### SAFETY DATA SHEET



### 1. Identification

Product identifier Base Neutrals Extractables Mixture - 625

Other means of identification

Item M-BN6251AB4

Recommended use For Laboratory Use Only

Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

Manufacturer

Company nameChem Service, Inc.Address660 Tower Lane

West Chester, PA 19380

**United States** 

**Telephone** Toll Free 800-452-9994

Direct 610-692-3026

Website www.chemservice.com
E-mail info@chemservice.com

**Emergency phone number** Chemtrec US 800-424-9300

Chemtrec outside US +1 703-527-3887

### 2. Hazard(s) identification

Physical hazardsFlammable liquidsCategory 2Health hazardsAcute toxicity, oralCategory 3Acute toxicity, dermalCategory 3Acute toxicity, inhalationCategory 2Skin corrosion/irritationCategory 2

Skin corrosion/irritation

Serious eye damage/eye irritation

Sensitization, skin

Germ cell mutagenicity

Carcinogenicity

Reproductive toxicity

Category 1

Category 1

Category 1

Category 1

Category 1

Reproductive toxicity Effects on or via lactation

Specific target organ toxicity, single exposure Category 1

Specific target organ toxicity, single exposure Category 3 narcotic effects

Specific target organ toxicity, repeated

exposure

Category 1

Aspiration hazard Category 1

Environmental hazards Hazardous to the aquatic environment, acute Category 1

nazard

Hazardous to the aquatic environment,

long-term hazard

Category 1

OSHA defined hazards Not classified.

Label elements



Signal word Danger

Material name: Base Neutrals Extractables Mixture - 625
M-BN6251AB4 Version #: 02 Revision date: 01-22-2021 Issue date: 07-28-2014

#### **Hazard statement**

Highly flammable liquid and vapor. Toxic if swallowed. May be fatal if swallowed and enters airways. Toxic in contact with skin. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Fatal if inhaled. May cause drowsiness or dizziness. May cause genetic defects. May cause cancer. May damage fertility or the unborn child. May cause harm to breast-fed children. Causes damage to organs. Causes damage to organs through prolonged or repeated exposure. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.

### Precautionary statement Prevention

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe vapor. Avoid contact during pregnancy/while nursing. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Contaminated work clothing must not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection. Wear respiratory protection.

#### Response

If swallowed: Immediately call a poison center/doctor. Rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor. Specific treatment is urgent (see this label). If skin irritation or rash occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off immediately all contaminated clothing and wash it before reuse. In case of fire: Use appropriate media to extinguish. Collect spillage.

# Storage Disposal zard(s) not other

Keep cool. Store in a well-ventilated place. Keep container tightly closed. Store locked up.

Hazard(s) not otherwise classified (HNOC)

Dispose of contents/container in accordance with local/regional/national/international regulations.

Supplemental information

Static accumulating flammable liquid can become electrostatically charged even in bonded and grounded equipment. Sparks may ignite liquid and vapor. May cause flash fire or explosion.

40% of the mixture consists of component(s) of unknown acute dermal toxicity. 80% of the mixture consists of component(s) of unknown acute inhalation toxicity. 60% of the mixture consists of component(s) of unknown acute hazards to the aquatic environment. 60% of the mixture consists of component(s) of unknown long-term hazards to the aquatic environment.

### 3. Composition/information on ingredients

#### **Mixtures**

Chemical name	Common name and synonyms	CAS number	%
Benzene		71-43-2	38 - 40
Methylene chloride	Dichloromethane	75-09-2	38 - 40
Acetonitrile		75-05-8	19 - 20
1,12-Benzoperylene		191-24-2	0.1
1,2,4-Trichlorobenzene		120-82-1	0.1
1,2:5,6-Dibenzanthracene		53-70-3	0.1
1,2-Benzanthracene		56-55-3	0.1
1,2-Dichlorobenzene		95-50-1	0.1
1,3-Dichlorobenzene		541-73-1	0.1
1,4-Dichlorobenzene		106-46-7	0.1
2,4-Dinitrotoluene		121-14-2	0.1
2,6-Dinitrotoluene		606-20-2	0.1
2-Chloronaphthalene		91-58-7	0.1
4-Bromophenyl phenyl ether		101-55-3	0.1
4-Chlorophenyl phenyl ether		7005-72-3	0.1
Acenaphthene		83-32-9	0.1
Acenaphthylene		208-96-8	0.1
Anthracene		120-12-7	0.1
Azobenzene		103-33-3	0.1
Benzo(a)pyrene		50-32-8	0.1
Benzo(b)fluoranthene		205-99-2	0.1
Benzo(k)fluoranthene		207-08-9	0.1

Material name: Base Neutrals Extractables Mixture - 625

SDS US

M-BN6251AB4 Version #: 02 Revision date: 01-22-2021 Issue date: 07-28-2014

Chemical name	Common name and synonyms	CAS number	%
Bis(2-chloro-1-methylethyl) ether		108-60-1	0.1
Bis(2-chloroethoxy)methane		111-91-1	0.1
Bis(2-chloroethyl)ether		111-44-4	0.1
Bis(2-ethylhexyl)phthalate		117-81-7	0.1
Butyl benzyl phthalate		85-68-7	0.1
Chrysene		218-01-9	0.1
Diethyl phthalate		84-66-2	0.1
Dimethyl phthalate		131-11-3	0.1
Di-n-butyl phthalate		84-74-2	0.1
Di-n-octyl phthalate		117-84-0	0.1
Fluoranthene		206-44-0	0.1
Fluorene		86-73-7	0.1
Hexachloro-1,3-butadiene		87-68-3	0.1
Hexachlorobenzene		118-74-1	0.1
Hexachlorocyclopentadiene		77-47-4	0.1
Hexachloroethane		67-72-1	0.1
Indeno(1,2,3-C,D)pyrene		193-39-5	0.1
Isophorone		78-59-1	0.1
Naphthalene		91-20-3	0.1
Nitrobenzene		98-95-3	0.1
N-Nitrosodimethylamine		62-75-9	0.1
N-Nitrosodi-n-propylamine		621-64-7	0.1
N-Nitrosodiphenylamine		86-30-6	0.1
Phenanthrene		85-01-8	0.1
Pyrene		129-00-0	0.1

#### 4. First-aid measures

Inhalation

Skin contact

Eye contact

Ingestion

Most important symptoms/effects, acute and delayed

Indication of immediate medical attention and special treatment needed

**General information** 

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Call a physician or poison control center immediately.

Remove contaminated clothing immediately and wash skin with soap and water. Get medical advice/attention if you feel unwell. In case of eczema or other skin disorders: Seek medical attention and take along these instructions. Wash contaminated clothing before reuse.

Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Do not use mouth-to-mouth method if victim ingested the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

Aspiration may cause pulmonary edema and pneumonitis. May cause drowsiness and dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash. Prolonged exposure may cause chronic effects.

Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

Take off immediately all contaminated clothing. IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before reuse.

### 5. Fire-fighting measures

Suitable extinguishing media

Water fog. Alcohol resistant foam. Carbon dioxide (CO2). Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only.

Unsuitable extinguishing media

Specific hazards arising from the chemical

Do not use water jet as an extinguisher, as this will spread the fire.

Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. This product is a poor conductor of electricity and can become electrostatically charged. If sufficient charge is accumulated, ignition of flammable mixtures can occur. To reduce potential for static discharge, use proper bonding and grounding procedures. This liquid may accumulate static electricity when filling properly grounded containers. Static electricity accumulation may be significantly increased by the presence of small quantities of water or other contaminants. Material will float and may ignite on surface of water. During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire fighting equipment/instructions

In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.

Specific methods

General fire hazards

Use standard firefighting procedures and consider the hazards of other involved materials.

Highly flammable liquid and vapor.

### 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Do not breathe vapors or spray mist. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Use appropriate containment to avoid environmental contamination. Transfer by mechanical means such as vacuum truck to a salvage tank or other suitable container for recovery or safe disposal. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Take precautionary measures against static discharge. Use only non-sparking tools. This material is classified as a water pollutant under the Clean Water Act and should be prevented from contaminating soil or from entering sewage and drainage systems which lead to waterways.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.

Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. Put material in suitable, covered, labeled containers. For waste disposal, see section 13 of the SDS.

### **Environmental precautions**

Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground. Use appropriate containment to avoid environmental contamination.

Material name: Base Neutrals Extractables Mixture - 625

M-BN6251AB4 Version #: 02 Revision date: 01-22-2021 Issue date: 07-28-2014 4 / 24

### 7. Handling and storage

#### Precautions for safe handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Explosion-proof general and local exhaust ventilation. Minimize fire risks from flammable and combustible materials (including combustible dust and static accumulating liquids) or dangerous reactions with incompatible materials. Handling operations that can promote accumulation of static charges include but are not limited to: mixing, filtering, pumping at high flow rates, splash filling, creating mists or sprays, tank and container filling, tank cleaning, sampling, gauging, switch loading, vacuum truck operations. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Do not breathe vapors or spray mist. Do not taste or swallow. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. When using, do not eat, drink or smoke. Pregnant or breastfeeding women must not handle this product. Should be handled in closed systems, if possible. Use only outdoors or in a well-ventilated area. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Wash contaminated clothing before reuse. Observe good industrial hygiene practices.

For additional information on equipment bonding and grounding, refer to the Canadian Electrical Code in Canada, (CSA C22.1), or the American Petroleum Institute (API) Recommended Practice 2003, "Protection Against Ignitions Arising out of Static, Lightning, and Stray Currents" or National Fire Protection Association (NFPA) 77, "Recommended Practice on Static Electricity" or National Fire Protection Association (NFPA) 70. "National Electrical Code".

# Conditions for safe storage, including any incompatibilities

Store locked up. Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Eliminate sources of ignition. Avoid spark promoters. Ground/bond container and equipment. These alone may be insufficient to remove static electricity. Store in a cool, dry place out of direct sunlight. Store in original tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS).

### 8. Exposure controls/personal protection

#### Occupational exposure limits

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

				0 1 1 1 1 1 1 1 1 1	/00 OFD	1010 1001 10	=0\
US.	USHA S	pecifically	Redulated	Substances	(29 CFR	1910.1001-10	50)

Components	Type	Value	
Benzene (CAS 71-43-2)	STEL	5 ppm	
	TWA	1 ppm	
Methylene chloride (CAS 75-09-2)	STEL	125 ppm	
	TWA	25 ppm	
US. OSHA Table Z-1 Limits for Air	Contaminants (29 CFR 1910.	000)	
Components	Туре	Value	
1,2-Dichlorobenzene (CAS 95-50-1)	Ceiling	300 mg/m3	
		50 ppm	
1,4-Dichlorobenzene (CAS 106-46-7)	PEL	450 mg/m3	
·		75 ppm	
2,4-Dinitrotoluene (CAS 121-14-2)	PEL	1.5 mg/m3	
2,6-Dinitrotoluene (CAS 606-20-2)	PEL	1.5 mg/m3	
4-Chlorophenyl phenyl ether (CAS 7005-72-3)	PEL	0.5 mg/m3	
Acetonitrile (CAS 75-05-8)	PEL	70 mg/m3	
		40 ppm	
Bis(2-chloroethyl)ether (CAS 111-44-4)	Ceiling	90 mg/m3	
,		15 ppm	
Bis(2-ethylhexyl)phthalate (CAS 117-81-7)	PEL	5 mg/m3	

US. OSHA Table Z-1 Limits for Air Cont	aminants (29 CFR 1910.1000)	
Components	Туре	Value
Dimethyl phthalate (CAS 131-11-3)	PEL	5 mg/m3
Di-n-butyl phthalate (CAS 84-74-2)	PEL	5 mg/m3
Hexachloroethane (CAS 67-72-1)	PEL	10 mg/m3
		1 ppm
Isophorone (CAS 78-59-1)	PEL	140 mg/m3
N. 141 1 (040 04 00 0)	55	25 ppm
Naphthalene (CAS 91-20-3)	PEL	50 mg/m3
Nitrob annona (CAC	DEL	10 ppm
Nitrobenzene (CAS 98-95-3)	PEL	5 mg/m3
30-33-3)		1 ppm
US. OSHA Table Z-2 (29 CFR 1910.1000	)	
Components	Туре	Value
Benzene (CAS 71-43-2)	Ceiling	25 ppm
,	TWA	10 ppm
US. ACGIH Threshold Limit Values		
Components	Туре	Value
1,2,4-Trichlorobenzene	Ceiling	5 ppm
(CAS 120-82-1)		
1,2-Dichlorobenzene (CAS 95-50-1)	STEL	50 ppm
00 00 1)	TWA	25 ppm
1,4-Dichlorobenzene (CAS	TWA	10 ppm
106-46-7)		•
2,4-Dinitrotoluene (CAS	TWA	0.2 mg/m3
121-14-2) 2,6-Dinitrotoluene (CAS	TWA	0.2 mg/m3
606-20-2)	1 447.	0.2 mg/mb
Acetonitrile (CAS 75-05-8)	TWA	20 ppm
Benzene (CAS 71-43-2)	STEL	2.5 ppm
	TWA	0.5 ppm
Bis(2-chloroethyl)ether	STEL	10 ppm
(CAS 111-44-4)	TWA	E nom
Pig/2 othylhovyl)phthalato	TWA	5 ppm
Bis(2-ethylhexyl)phthalate (CAS 117-81-7)	IVVA	5 mg/m3
Diethyl phthalate (CAS 84-66-2)	TWA	5 mg/m3
Dimethyl phthalate (CAS 131-11-3)	TWA	5 mg/m3
Di-n-butyl phthalate (CAS	TWA	5 mg/m3
84-74-2) Hexachloro-1,3-butadiene	TWA	0.02 ppm
(CAS 87-68-3) Hexachlorobenzene (CAS	TWA	0.002 mg/m3
118-74-1) Hexachlorocyclopentadiene	TWA	0.01 ppm
(CAS 77-47-4)		• •
Hexachloroethane (CAS 67-72-1)	TWA	1 ppm
Isophorone (CAS 78-59-1)	Ceiling	5 ppm
Methylene chloride (CAS 75-09-2)	TWA	50 ppm
Naphthalene (CAS 91-20-3)	TWA	10 ppm
Nitrobenzene (CAS	TWA	1 ppm
98-95-3)		

1.2.4-Trichlorobenzene   Coast 220-82-1)	US. NIOSH: Pocket Guide to Chem Components	Туре	Value	
CAS 120-82-1)	1.2.4-Trichlorobenzene	Ceilina	40 ma/m3	
1,2-Dichlorobenzene (CAS 95-50-1)			<b>gg</b>	
S5 ppm				
2.4-Dinitrotoluene (CAS   TWA   1.5 mg/m3   1.2 mg/m3   1.2 mg/m3   1.5 mg/m		Ceiling	300 mg/m3	
2.4-Dinitrotoluene (CAS       TWA       1.5 mg/m3         2.6-Dinitrotoluene (CAS       TWA       1.5 mg/m3         606-20-2)       TWA       0.5 mg/m3         4-Chlorophenyl phenyl ether (CAS 7005-72-3)       TWA       34 mg/m3         Acetonitrile (CAS 75-05-8)       TWA       34 mg/m3         Benzene (CAS 71-43-2)       STEL       1 ppm         TWA       0.1 ppm         Bis(2-chloroethyl)ether (CAS 111-44-4)       TWA       30 mg/m3         (CAS 111-44-4)       TWA       30 mg/m3         Bis(2-ethylhexyl)phthalate (CAS 117-81-7)       TWA       5 mg/m3         Diethyl phthalate (CAS 117-81-7)       TWA       5 mg/m3         Diethyl phthalate (CAS TWA       5 mg/m3         44-66-2)       TWA       5 mg/m3         Din-butyl phthalate (CAS TWA       5 mg/m3         131-11-3)       TWA       5 mg/m3         Din-butyl phthalate (CAS TWA       5 mg/m3         84-74-2)       TWA       0.02 ppm         Hexachlorocyclopentadiene (CAS 76-63-3)       TWA       0.01 ppm         Hexachlorocyclopentadiene (CAS 78-59-1)       TWA       23 mg/m3         (CAS 77-47-4)       1 ppm         Isophorone (CAS 78-59-1)       TWA       23 mg/m3 <t< td=""><td>95-50-1)</td><td></td><td>50 nnm</td><td></td></t<>	95-50-1)		50 nnm	
121-14-2) 2.6-Dinitrotoluene (CAS 606-20-2) 4-Chlorophenyl phenyl 4-Chlorophenyl 4	2.4 Dinitrotoluene (CAS	Τ\Λ/Λ	* *	
2.6-Dinitrotoluene (CAS 608-20-2)       TWA       1.5 mg/m3         608-20-2)       4-Chlorophenyl phenyl ether (CAS 7005-72-3)       TWA       0.5 mg/m3         Acetonitrile (CAS 7005-72-3)       TWA       34 mg/m3         Acetonitrile (CAS 75-05-8)       TWA       30 ppm         Benzene (CAS 71-43-2)       STEL       10 ppm         Bis(2-chloroethyl)ether (CAS 111-44-4)       TWA       30 mg/m3         Fopm       Fixed       10 ppm         Bis(2-ethylhexyl)phthalate (CAS 111-44-4)       TWA       5 mg/m3         Bis(2-ethylhexyl)phthalate (CAS 117-81-7)       TWA       5 mg/m3         Bis(2-ethylhexyl)phthalate (CAS 3 TWA       5 mg/m3		IVVA	1.5 mg/mo	
4-Chlorophenyl phenyl ether (CAS 705-72-3) Acetonitrile (CAS 75-05-8)		TWA	1.5 mg/m3	
ether (CAS 75065-72-3) Acetonitrile (CAS 75-05-8)				
Acetonitrile (CAS 75-05-8)       TWA       34 mg/m3         Benzene (CAS 71-43-2)       STEL       1 ppm         Bis(2-chloroethyl)ether (CAS 111-44-4)       STEL       00 mg/m3         (CAS 111-44-4)       10 ppm         Bis(2-ethylhexyl)phthalate (CAS 111-81-7)       5 ppm         Bis(2-ethylhexyl)phthalate (CAS 117-81-7)       5 mg/m3         Diethyl phthalate (CAS 117-81-7)       TWA       5 mg/m3         Diethyl phthalate (CAS 84-68-2)       TWA       5 mg/m3         Dimethyl phthalate (CAS 131-11-3)       TWA       5 mg/m3         Din-butyl phthalate (CAS 131-11-3)       TWA       5 mg/m3         Din-butyl phthalate (CAS 84-68-3)       TWA       0.24 mg/m3         Hexachloro-1,3-butadiene (CAS 78-68-3)       TWA       0.02 ppm         Hexachlorocyclopentadiene (CAS 77-47-4)       TWA       0.01 ppm         Hexachloroethane (CAS 78-59-1)       TWA       23 mg/m3         4 ppm       1 ppm         Isophorone (CAS 78-59-1)       TWA       23 mg/m3         4 ppm       15 ppm         Nitrobenzene (CAS 91-20-3)       TWA       5 mg/m3         Nitrobenzene (CAS 91-20-3)       TWA       5 mg/m3         Nitrobenzene (CAS 91-20-3)       TWA       5 mg/m3		TWA	0.5 mg/m3	
Benzene (CAS 71-43-2)   STEL   1 ppm		T\A/A	24 ma/m2	
Benzene (CAS 71-43-2)         STEL TWA 0.1 ppm           Bis(2-chloroethyl)ether (CAS 111-44-4)         STEL 60 mg/m3           (CAS 111-44-4)         10 ppm           TWA 30 mg/m3         5 ppm           Bis(2-ethylhexyl)phthalate (CAS 117-81-7)         TWA 5 mg/m3           Diethyl phthalate (CAS 84-66-2)         TWA 5 mg/m3           Dienbuly phthalate (CAS 111-13)         TWA 5 mg/m3           Di-n-butyl phthalate (CAS 84-42-2)         TWA 5 mg/m3           Hexachloro-1,3-butadiene (CAS 87-68-3)         TWA 0.24 mg/m3           (CAS 87-68-3)         TWA 0.1 mg/m3           (CAS 77-47-4)         0.01 ppm           Hexachloroethane (CAS 67-72-1)         TWA 23 mg/m3 4 ppm           Isophorone (CAS 78-59-1)         TWA 23 mg/m3 4 ppm           Naphthalene (CAS 91-20-3)         STEL 75 mg/m3 15 ppm           Nitrobenzene (CAS 98-95-3)         TWA 50 mg/m3 10 ppm           Nitrobenzene (CAS 98-95-3)         TWA 5 mg/m3	Acetoritine (CAS 75-05-6)	IVVA		
TWA   0.1 ppm	Renzene (CAS 71-43-2)	STEI		
Bis(2-chloroethyl)ether (CAS 111-44-4)         STEL         60 mg/m3           (CAS 111-44-4)         10 ppm           TWA         30 mg/m3           5 ppm         5 ppm           Bis(2-ethylhexyl)phthalate (CAS         STEL         10 mg/m3           (CAS 117-81-7)         TWA         5 mg/m3           Diethyl phthalate (CAS         TWA         5 mg/m3           84-66-2)         TWA         5 mg/m3           Dimethyl phthalate (CAS         TWA         5 mg/m3           131-11-3)         5 mg/m3           19-n-butyl phthalate (CAS         TWA         5 mg/m3           84-74-2)         TWA         0.24 mg/m3           (CAS 87-68-3)         TWA         0.02 ppm           Hexachlorocyclopentadiene (CAS 7-47-4)         TWA         0.1 mg/m3           (CAS 77-47-4)         10 mg/m3         10 mg/m3           67-72-1)         1 ppm         1 ppm           Isophorone (CAS 78-59-1)         TWA         23 mg/m3           4 ppm         15 ppm           Nitrobenzene (CAS         TWA         50 mg/m3           10 ppm         10 ppm           Nitrobenzene (CAS         TWA         5 mg/m3	Delizerie (OAS 71-45-2)		• •	
(CAS 111-44-4)  TWA 30 mg/m3 5 ppm  Bis(2-ethylhexyl)phthalate (CAS 117-81-7) TWA 5 mg/m3  Diethyl phthalate (CAS TWA 5 mg/m3  Diethyl phthalate (CAS TWA 5 mg/m3  131-11-3) Din-butyl phthalate (CAS TWA 5 mg/m3  131-11-3) Din-butyl phthalate (CAS TWA 5 mg/m3  131-12-3) Di-n-butyl phthalate (CAS TWA 5 mg/m3  131-13-10  Din-butyl phthalate (CAS TWA 5 mg/m3  131-13-10  Din-butyl phthalate (CAS TWA 5 mg/m3  10-pn-butyl phthalate (CAS TWA 10 mg/m3  (CAS 87-68-3)  Hexachlorocyclopentadiene (CAS 77-47-4)  Unumber 1 ppm  Hexachlorocyclopentadiene (CAS 77-47-4)  Inpm  Isophorone (CAS 78-59-1)  TWA 23 mg/m3 4 ppm  Naphthalene (CAS 91-20-3)  STEL 75 mg/m3 15 ppm  TWA 50 mg/m3  Nitrobenzene (CAS 5 mg	Ris(2-chloroethyl)ether			
TWA   30 mg/m3   5 ppm		3122	oo mg/mo	
Bis(2-ethylhexyl)phthalate (CAS 117-81-7)	,		10 ppm	
Bis(2-ethylhexyl)phthalate (CAS 117-81-7)         STEL         10 mg/m3           Diethyl phthalate (CAS 84-66-2)         TWA         5 mg/m3           Dimethyl phthalate (CAS 131-11-3)         TWA         5 mg/m3           Di-n-butyl phthalate (CAS 84-74-2)         TWA         5 mg/m3           Hexachloro-1,3-butadiene (CAS 87-68-3)         TWA         0.24 mg/m3           (CAS 87-68-3)         0.02 ppm           Hexachlorocyclopentadiene (CAS 77-47-4)         0.01 mg/m3           (CAS 77-47-4)         10 mg/m3           Formal Parameters (CAS 78-59-1)         TWA         10 mg/m3           Formal Parameters (CAS 91-20-3)         STEL         75 mg/m3           Naphthalene (CAS 91-20-3)         TWA         50 mg/m3           Nitrobenzene (CAS 98-95-3)         TWA         50 mg/m3           Nitrobenzene (CAS 98-95-3)         TWA         5 mg/m3		TWA	30 mg/m3	
TWA   5 mg/m3			5 ppm	
TWA   5 mg/m3		STEL	10 mg/m3	
Diethyl phthalate (CAS 84-66-2)         TWA         5 mg/m3           Dimethyl phthalate (CAS 131-11-3)         TWA         5 mg/m3           Di-n-butyl phthalate (CAS 84-74-2)         TWA         5 mg/m3           Hexachloro-1,3-butadiene (CAS 87-68-3)         TWA         0.24 mg/m3           (CAS 87-68-3)         0.02 ppm           Hexachlorocyclopentadiene (CAS 77-47-4)         0.1 mg/m3           (CAS 77-47-4)         0.01 ppm           Hexachloroethane (CAS 67-72-1)         TWA         10 mg/m3           67-72-1)         1 ppm           Isophorone (CAS 78-59-1)         TWA         23 mg/m3           A ppm         4 ppm           Naphthalene (CAS 91-20-3)         STEL         75 mg/m3           15 ppm         10 ppm           Nitrobenzene (CAS 93-3)         TWA         5 mg/m3           Nitrobenzene (CAS 93-3)         TWA         5 mg/m3	(CAS 117-81-7)			
84-66-2)       Dimethyl phthalate (CAS       TWA       5 mg/m3         131-11-3)       Dimethyl phthalate (CAS       TWA       5 mg/m3         84-74-2)       TWA       5 mg/m3         Hexachloro-1,3-butadiene (CAS 87-68-3)       TWA       0.24 mg/m3         (CAS 87-68-3)       0.02 ppm         Hexachlorocyclopentadiene (CAS 77-47-4)       0.1 mg/m3         (CAS 77-47-4)       0.01 ppm         Hexachloroethane (CAS 67-72-1)       1 ppm         Isophorone (CAS 78-59-1)       TWA       23 mg/m3         A ppm       4 ppm         Naphthalene (CAS 91-20-3)       STEL       75 mg/m3         TWA       50 mg/m3         10 ppm       10 ppm         Nitrobenzene (CAS 93-3)       TWA       5 mg/m3			_	
Dimethyl phthalate (CAS 131-11-3)         TWA         5 mg/m3           Di-n-butyl phthalate (CAS 84-74-2)         TWA         5 mg/m3           Hexachloro-1,3-butadiene (CAS 87-68-3)         TWA         0.24 mg/m3           (CAS 87-68-3)         0.02 ppm           Hexachlorocyclopentadiene (CAS 77-47-4)         0.1 mg/m3           (CAS 77-47-4)         0.01 ppm           Hexachloroethane (CAS 67-72-1)         1 ppm           Isophorone (CAS 78-59-1)         TWA         23 mg/m3           4 ppm         4 ppm           Naphthalene (CAS 91-20-3)         STEL         75 mg/m3           TWA         50 mg/m3           10 ppm         10 ppm           Nitrobenzene (CAS 93-3)         TWA         5 mg/m3		IWA	5 mg/m3	
131-11-3)       Di-n-butyl phthalate (CAS       TWA       5 mg/m3         84-74-2)       TWA       0.24 mg/m3         Hexachloro-1,3-butadiene (CAS 87-68-3)       0.02 ppm         Hexachlorocyclopentadiene (CAS 77-47-4)       0.1 mg/m3         Hexachloroethane (CAS 67-72-1)       TWA       0.01 ppm         Hexachloroethane (CAS 78-59-1)       TWA       10 mg/m3         1 ppm       1 ppm         Isophorone (CAS 78-59-1)       TWA       23 mg/m3         4 ppm       4 ppm         Naphthalene (CAS 91-20-3)       STEL       75 mg/m3         15 ppm       15 ppm         TWA       50 mg/m3         10 ppm       10 ppm         Nitrobenzene (CAS 99-3)       TWA       5 mg/m3		TWA	5 mg/m3	
84-74-2)       TWA       0.24 mg/m3         (CAS 87-68-3)       0.02 ppm         Hexachlorocyclopentadiene (CAS 77-47-4)       TWA       0.1 mg/m3         Hexachloroethane (CAS 67-47-4)       0.01 ppm         Hexachloroethane (CAS 67-72-1)       TWA       10 mg/m3         Isophorone (CAS 78-59-1)       TWA       23 mg/m3         4 ppm       4 ppm         Naphthalene (CAS 91-20-3)       STEL       75 mg/m3         15 ppm       50 mg/m3         10 ppm       10 ppm         Nitrobenzene (CAS 95-3)       TWA       5 mg/m3		1 ***	o mg/mo	
Hexachloro-1,3-butadiene (CAS 87-68-3)       TWA       0.02 ppm         Hexachlorocyclopentadiene (CAS 77-47-4)       TWA       0.1 mg/m3         Hexachloroethane (CAS 77-47-4)       0.01 ppm         Hexachloroethane (CAS 67-72-1)       TWA       10 mg/m3         Isophorone (CAS 78-59-1)       TWA       23 mg/m3         A ppm       4 ppm         Naphthalene (CAS 91-20-3)       STEL       75 mg/m3         TWA       50 mg/m3         10 ppm       5 mg/m3         Nitrobenzene (CAS 99-3)       TWA       5 mg/m3		TWA	5 mg/m3	
(CAS 87-68-3)       0.02 ppm         Hexachlorocyclopentadiene (CAS 77-47-4)       0.1 mg/m3         (CAS 77-47-4)       0.01 ppm         Hexachloroethane (CAS 67-72-1)       10 mg/m3         1 ppm         Isophorone (CAS 78-59-1)       TWA       23 mg/m3         A ppm         Naphthalene (CAS 91-20-3)       STEL       75 mg/m3         15 ppm       15 ppm         TWA       50 mg/m3         10 ppm       10 ppm         Nitrobenzene (CAS 99-3)       TWA       5 mg/m3				
Hexachlorocyclopentadiene (CAS 77-47-4)		TWA	0.24 mg/m3	
Hexachlorocyclopentadiene (CAS 77-47-4)       TWA       0.1 mg/m3         Hexachloroethane (CAS 67-47-4)       TWA       10 mg/m3         67-72-1)       1 ppm         Isophorone (CAS 78-59-1)       TWA       23 mg/m3         A ppm       4 ppm         Naphthalene (CAS 91-20-3)       STEL       75 mg/m3         TWA       50 mg/m3         10 ppm         Nitrobenzene (CAS 98-95-3)       TWA       5 mg/m3	(CAS 07-00-3)		0.02 nnm	
(CAS 77-47-4)       0.01 ppm         Hexachloroethane (CAS 67-72-1)       10 mg/m3         Isophorone (CAS 78-59-1)       TWA       23 mg/m3         Isophorone (CAS 91-20-3)       STEL       75 mg/m3         Isophorone (CAS 91-20-3)       TWA       50 mg/m3         Isophorone (CAS 91-20-3)       TWA       50 mg/m3         Isophorone (CAS 91-20-3)       TWA       50 mg/m3         Isophorone (CAS 91-20-3)       TWA       5 mg/m3	Hexachlorocyclonentadiene	T\Λ/Δ	• •	
Hexachloroethane (CAS   TWA   10 mg/m3   1		1 **/ `	o. i mg/mo	
67-72-1)  Isophorone (CAS 78-59-1)  Naphthalene (CAS 91-20-3)  TWA  TWA  23 mg/m3 4 ppm 75 mg/m3 15 ppm 15 ppm TWA  TWA  TWA  TWA  TWA  TWA  TWA  TWA	,		0.01 ppm	
Sophorone (CAS 78-59-1)   TWA   23 mg/m3   4 ppm	Hexachloroethane (CAS	TWA	10 mg/m3	
Isophorone (CAS 78-59-1)       TWA       23 mg/m3         4 ppm       4 ppm         Naphthalene (CAS 91-20-3)       STEL       75 mg/m3         15 ppm       15 ppm         TWA       50 mg/m3         10 ppm       10 ppm         Nitrobenzene (CAS 98-95-3)       TWA       5 mg/m3	67-72-1)			
Naphthalene (CAS 91-20-3)  STEL  75 mg/m3  15 ppm  TWA  50 mg/m3  10 ppm  Nitrobenzene (CAS  98-95-3)  TWA  5 mg/m3				
Naphthalene (CAS 91-20-3)       STEL       75 mg/m3         15 ppm       15 ppm         TWA       50 mg/m3         10 ppm       10 ppm         Nitrobenzene (CAS 98-95-3)       TWA       5 mg/m3	Isophorone (CAS 78-59-1)	TWA	<del>-</del>	
TWA 50 mg/m3 10 ppm Nitrobenzene (CAS TWA 5 mg/m3		0.771		
TWA 50 mg/m3 10 ppm  Nitrobenzene (CAS TWA 5 mg/m3 98-95-3)	Naphthalene (CAS 91-20-3)	SIEL		
Nitrobenzene (CAS TWA 5 mg/m3 98-95-3)		T) A / A		
Nitrobenzene (CAS TWA 5 mg/m3 98-95-3)		IWA		
98-95-3)	Nitrala and a (OAC)	T) A / A	·	
		IWA	5 mg/m3	
	30-33 <b>-</b> 3)		1 nnm	

### **Biological limit values**

**ACGIH Biological Exposure Indices** 

Components	Value	Determinant	Specimen	Sampling Time
Benzene (CAS 71-43-2)	25 μg/g	S-Phenylmerca pturic acid	Creatinine in urine	*
Methylene chloride (CAS 75-09-2)	0.3 mg/l	Dichlorometha ne	Urine	*
Nitrobenzene (CAS 98-95-3)	1.5 %	Methemoglobin	Hemoglobin in blood	*

<sup>\* -</sup> For sampling details, please see the source document.

#### **Exposure guidelines**

#### US - California OELs: Skin designation

1,2-Dichlorobenzene (CAS 95-50-1) 2,4-Dinitrotoluene (CAS 121-14-2) 2,6-Dinitrotoluene (CAS 606-20-2) Acetonitrile (CAS 75-05-8) Benzene (CAS 71-43-2)

Bis(2-chloroethyl)ether (CAS 111-44-4) Hexachloro-1,3-butadiene (CAS 87-68-3) Hexachlorobenzene (CAS 118-74-1) Hexachloroethane (CAS 67-72-1) Naphthalene (CAS 91-20-3) Nitrobenzene (CAS 98-95-3)

### US - Minnesota Haz Subs: Skin designation applies

2,4-Dinitrotoluene (CAS 121-14-2)Skin designation applies.2,6-Dinitrotoluene (CAS 606-20-2)Skin designation applies.Acetonitrile (CAS 75-05-8)Skin designation applies.Bis(2-chloroethyl)ether (CAS 111-44-4)Skin designation applies.Hexachlorobenzene (CAS 118-74-1)Skin designation applies.Hexachloroethane (CAS 67-72-1)Skin designation applies.Nitrobenzene (CAS 98-95-3)Skin designation applies.

#### **US - Tennessee OELs: Skin designation**

2,4-Dinitrotoluene (CAS 121-14-2)Can be absorbed through the skin.2,6-Dinitrotoluene (CAS 606-20-2)Can be absorbed through the skin.Bis(2-chloroethyl)ether (CAS 111-44-4)Can be absorbed through the skin.Hexachloroethane (CAS 67-72-1)Can be absorbed through the skin.Nitrobenzene (CAS 98-95-3)Can be absorbed through the skin.

### **US ACGIH Threshold Limit Values: Skin designation**

2,4-Dinitrotoluene (CAS 121-14-2) Can be absorbed through the skin. 2,6-Dinitrotoluene (CAS 606-20-2) Can be absorbed through the skin. Acetonitrile (CAS 75-05-8) Can be absorbed through the skin. Benzene (CAS 71-43-2) Can be absorbed through the skin. Bis(2-chloroethyl)ether (CAS 111-44-4) Can be absorbed through the skin. Hexachloro-1,3-butadiene (CAS 87-68-3) Can be absorbed through the skin. Hexachlorobenzene (CAS 118-74-1) Can be absorbed through the skin. Hexachloroethane (CAS 67-72-1) Can be absorbed through the skin. Naphthalene (CAS 91-20-3) Can be absorbed through the skin. Nitrobenzene (CAS 98-95-3) Can be absorbed through the skin. N-Nitrosodimethylamine (CAS 62-75-9) Can be absorbed through the skin.

#### US NIOSH Pocket Guide to Chemical Hazards: Skin designation

2,4-Dinitrotoluene (CAS 121-14-2)

2,6-Dinitrotoluene (CAS 606-20-2)

Bis(2-chloroethyl)ether (CAS 111-44-4)

Hexachloro-1,3-butadiene (CAS 87-68-3)

Hexachloroethane (CAS 67-72-1)

Nitrobenzene (CAS 98-95-3)

Can be absorbed through the skin.

### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

2,4-Dinitrotoluene (CAS 121-14-2)Can be absorbed through the skin.2,6-Dinitrotoluene (CAS 606-20-2)Can be absorbed through the skin.Bis(2-chloroethyl)ether (CAS 111-44-4)Can be absorbed through the skin.Hexachloroethane (CAS 67-72-1)Can be absorbed through the skin.Nitrobenzene (CAS 98-95-3)Can be absorbed through the skin.

## Appropriate engineering controls

Explosion-proof general and local exhaust ventilation. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station. Eye wash fountain and emergency showers are recommended.

Can be absorbed through the skin.

Can be absorbed through the skin. Can be absorbed through the skin.

Can be absorbed through the skin.

Can be absorbed through the skin.

Can be absorbed through the skin.

Can be absorbed through the skin.

Can be absorbed through the skin.

Can be absorbed through the skin.

Can be absorbed through the skin.

Can be absorbed through the skin.

### Individual protection measures, such as personal protective equipment

**Eye/face protection** Chemical respirator with organic vapor cartridge and full facepiece.

Skin protection

**Hand protection** Wear appropriate chemical resistant gloves.

Other Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

**Respiratory protection** Chemical respirator with organic vapor cartridge and full facepiece.

**Thermal hazards** Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

Observe any medical surveillance requirements. When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

### 9. Physical and chemical properties

**Appearance** 

Physical stateLiquid.FormLiquid.

Color Not available.
Odor Not available.
Odor threshold Not available.
pH Not available.

Melting point/freezing point -139 °F (-95 °C) estimated
Initial boiling point and boiling 103.55 °F (39.75 °C) estimated

range

Flash point 12.0 °F (-11.1 °C) estimated

Evaporation rate Not available.
Flammability (solid, gas) Not applicable.
Upper/lower flammability or explosive limits

Flammability limit - lower

1.4 % estimated

(%)

Flammability limit - upper

66.4 % estimated

(%)

Explosive limit - lower (%) Not available.

Explosive limit - upper (%) Not available.

Vapor pressure 306.24 hPa estimated

Vapor densityNot available.Relative densityNot available.

Solubility(ies)

Solubility (water) Not available.

Partition coefficient Not available.

(n-octanol/water)

**Auto-ignition temperature** 928 °F (497.78 °C) estimated

**Decomposition temperature** Not available. **Viscosity** Not available.

Other information

**Density** 1.04599 g/cm3 estimated

**Explosive properties** Not explosive.

Flammability class Flammable IB estimated

Oxidizing properties Not oxidizing.

Percent volatile 100.7 % estimated

Specific gravity 1.05 estimated

VOC 101 % estimated

### 10. Stability and reactivity

**Reactivity**The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability Material is stable under normal conditions.

Possibility of hazardous Hazardous polymerization does not occur.

reactions

Material name: Base Neutrals Extractables Mixture - 625

Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the Conditions to avoid

flash point. Contact with incompatible materials.

Incompatible materials

Strong oxidizing agents.

**Hazardous decomposition** 

products

No hazardous decomposition products are known.

### 11. Toxicological information

### Information on likely routes of exposure

Inhalation Fatal if inhaled. May cause damage to organs by inhalation. May cause damage to organs

through prolonged or repeated exposure by inhalation. May cause drowsiness and dizziness.

Headache, Nausea, vomiting,

Skin contact Toxic in contact with skin. Causes skin irritation. May cause an allergic skin reaction.

Eye contact Causes serious eye irritation.

Ingestion Toxic if swallowed. Droplets of the product aspirated into the lungs through ingestion or vomiting

may cause a serious chemical pneumonia.

Symptoms related to the physical, chemical and toxicological characteristics Aspiration may cause pulmonary edema and pneumonitis. May cause drowsiness and dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. May cause an

allergic skin reaction. Dermatitis. Rash.

#### Information on toxicological effects

Acute toxicity Fatal if inhaled. May be fatal if swallowed and enters airways. Toxic in contact with skin

Acute toxicity	ratai ii iiiilaleu. Way be iatai ii S	wallowed and enters allways. Toxic in contact with skill.
Components	Species	Test Results
1,2,4-Trichlorobenzene (C	CAS 120-82-1)	
<u>Acute</u>		
Oral		
LD50	Rat	756 mg/kg
1,2-Dichlorobenzene (CA	S 95-50-1)	
<u>Acute</u>		
Oral		
LD50	Rat	1516 mg/kg
1,3-Dichlorobenzene (CA	S 541-73-1)	
<u>Acute</u>		
Oral		

LD50 Rat 580 mg/kg

1,4-Dichlorobenzene (CAS 106-46-7)

**Acute** 

Dermal

Rat LD50 > 2000 mg/kg, 24 Hours

Oral

LD50 Rat 500 mg/kg

2,4-Dinitrotoluene (CAS 121-14-2)

**Acute** Oral

Rat LD50 268 mg/kg

2,6-Dinitrotoluene (CAS 606-20-2)

Acute Oral

LD50 Rat 177 mg/kg

2-Chloronaphthalene (CAS 91-58-7)

**Acute** 

Oral

LD50 Rat 2078 mg/kg

Material name: Base Neutrals Extractables Mixture - 625

SDS US

**Test Results** Components **Species** Anthracene (CAS 120-12-7) **Acute** Dermal LD50 Rat > 1320 mg/kg, 24 Hours Benzene (CAS 71-43-2) **Acute** Oral LD50 Rat 690 - 1230 mg/kg Benzo(a)pyrene (CAS 50-32-8) **Acute** Dermal LD50 Rat > 2000 mg/kg Oral LD50 Rat 725 mg/kg Bis(2-chloro-1-methylethyl) ether (CAS 108-60-1) **Acute** Oral LD50 Rat 220 - 270 mg/kg Bis(2-chloroethoxy)methane (CAS 111-91-1) **Acute Dermal** LD50 Rat 1000 - 2000 mg/kg, 24 Hours Oral LD50 Rat 50 - 300 mg/kg Butyl benzyl phthalate (CAS 85-68-7) **Acute** Oral 2330 mg/kg LD50 Rat Dimethyl phthalate (CAS 131-11-3) **Acute** Oral 2400 mg/kg LD50 Rat Di-n-butyl phthalate (CAS 84-74-2) **Acute** Dermal LD50 Rabbit 4200 mg/kg Inhalation LC50 Rat 15.68 mg/l, 4 Hours Fluoranthene (CAS 206-44-0) **Acute Dermal** Rabbit LD50 3180 mg/kg Hexachloro-1,3-butadiene (CAS 87-68-3) **Acute** Oral LD50 Rat 90 mg/kg Hexachlorobenzene (CAS 118-74-1)

Acute Oral

LD50

3500 mg/kg

Rat

Components Species Test Results

Hexachlorocyclopentadiene (CAS 77-47-4)

**Acute** 

Inhalation

LC50 Rat 0.0181 mg/l, 4 Hours

Hexachloroethane (CAS 67-72-1)

Acute Oral

LD50 Rat 4460 mg/kg

Isophorone (CAS 78-59-1)

Acute Dermal

LD50 Rabbit 1200 mg/kg, 24 Hours

Inhalation

LC50 Rat 7 mg/l, 4 Hours

Oral

LD50 Rat 1000 mg/kg

Methylene chloride (CAS 75-09-2)

Acute Dermal

LD50 Rat > 2000 mg/kg, Days

Oral

LD50 Rat 1600 mg/kg

Naphthalene (CAS 91-20-3)

<u>Acute</u>

Dermal

LD50 Rabbit > 2 g/kg

Oral

LD50 Rat 490 mg/kg

Nitrobenzene (CAS 98-95-3)

Acute Dermal

LD50 Rabbit 760 mg/kg, 24 Hours

N-Nitrosodimethylamine (CAS 62-75-9)

Acute Oral

LD50 Rat 27 mg/kg

N-Nitrosodi-n-propylamine (CAS 621-64-7)

**Acute** 

Oral

LD50 Rat 480 mg/kg

\* Estimates for product may be based on additional component data not shown.

**Skin corrosion/irritation** Causes skin irritation.

Serious eye damage/eye Causes serious eye irritation.

irritation

Respiratory or skin sensitization

**Respiratory sensitization** Not a respiratory sensitizer.

**Skin sensitization** May cause an allergic skin reaction.

**Germ cell mutagenicity** May cause genetic defects.

Carcinogenicity May cause cancer.

#### IARC Monographs. Overall Evaluation of Carcinogenicity

1,12-Benzoperylene (CAS 191-24-2)
1,2:5,6-Dibenzanthracene (CAS 53-70-3)
1,2-Benzanthracene (CAS 56-55-3)
1,2-Dichlorobenzene (CAS 95-50-1)
1,3-Dichlorobenzene (CAS 541-73-1)
1,4-Dichlorobenzene (CAS 106-46-7)
2,4-Dinitrotoluene (CAS 121-14-2)
2,6-Dinitrotoluene (CAS 606-20-2)
Acenaphthene (CAS 83-32-9)
Anthracene (CAS 120-12-7)
Azobenzene (CAS 103-33-3)
Benzene (CAS 71-43-2)
Benzo(a)pyrene (CAS 50-32-8)
Benzo(b)fluoranthene (CAS 205-99-2)

Bis(2-chloro-1-methylethyl) ether (CAS 108-60-1) Bis(2-chloroethyl)ether (CAS 111-44-4) Bis(2-ethylhexyl)phthalate (CAS 117-81-7) Butyl benzyl phthalate (CAS 85-68-7)

Benzo(k)fluoranthene (CAS 207-08-9)

Chrysene (CAS 218-01-9) Fluoranthene (CAS 206-44-0) Fluorene (CAS 86-73-7)

Hexachloro-1,3-butadiene (CAS 87-68-3) Hexachlorobenzene (CAS 118-74-1) Hexachloroethane (CAS 67-72-1) Indeno(1,2,3-C,D)pyrene (CAS 193-39-5) Methylene chloride (CAS 75-09-2) Naphthalene (CAS 91-20-3) Nitrobenzene (CAS 98-95-3)

N-Nitrosodimethylamine (CAS 62-75-9) N-Nitrosodi-n-propylamine (CAS 621-64-7) N-Nitrosodiphenylamine (CAS 86-30-6)

Phenanthrene (CAS 85-01-8) Pyrene (CAS 129-00-0) 3 Not classifiable as to carcinogenicity to humans.

2A Probably carcinogenic to humans. 2B Possibly carcinogenic to humans.

3 Not classifiable as to carcinogenicity to humans. 3 Not classifiable as to carcinogenicity to humans.

2B Possibly carcinogenic to humans. 2B Possibly carcinogenic to humans. 2B Possibly carcinogenic to humans.

3 Not classifiable as to carcinogenicity to humans. 3 Not classifiable as to carcinogenicity to humans. 3 Not classifiable as to carcinogenicity to humans.

1 Carcinogenic to humans.1 Carcinogenic to humans.

2B Possibly carcinogenic to humans. 2B Possibly carcinogenic to humans.

3 Not classifiable as to carcinogenicity to humans. 3 Not classifiable as to carcinogenicity to humans.

2B Possibly carcinogenic to humans.

3 Not classifiable as to carcinogenicity to humans.

2B Possibly carcinogenic to humans.

3 Not classifiable as to carcinogenicity to humans. 3 Not classifiable as to carcinogenicity to humans. 3 Not classifiable as to carcinogenicity to humans.

2B Possibly carcinogenic to humans. 2B Possibly carcinogenic to humans. 2B Possibly carcinogenic to humans. 2A Probably carcinogenic to humans. 2B Possibly carcinogenic to humans. 2B Possibly carcinogenic to humans. 2A Probably carcinogenic to humans. 2B Possibly carcinogenic to humans.

3 Not classifiable as to carcinogenicity to humans. 3 Not classifiable as to carcinogenicity to humans. 3 Not classifiable as to carcinogenicity to humans.

### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Benzene (CAS 71-43-2)

Methylene chloride (CAS 75-09-2)

N-Nitrosodimethylamine (CAS 62-75-9)

Cancer

Cancer

### **US. National Toxicology Program (NTP) Report on Carcinogens**

1,2:5,6-Dibenzanthracene (CAS 53-70-3) 1,2-Benzanthracene (CAS 56-55-3) 1,4-Dichlorobenzene (CAS 106-46-7)

Benzene (CAS 71-43-2)
Benzo(a)pyrene (CAS 50-32-8)
Benzo(b)fluoranthene (CAS 205-99-2)
Benzo(k)fluoranthene (CAS 207-08-9)
Bis(2-ethylhexyl)phthalate (CAS 117-81-7)
Hexachlorobenzene (CAS 118-74-1)
Hexachloroethane (CAS 67-72-1)
Indeno(1,2,3-C,D)pyrene (CAS 193-39-5)
Methylene chloride (CAS 75-09-2)

Nitrobenzene (CAS 98-95-3) N-Nitrosodimethylamine (CAS 62-75-9) N-Nitrosodi-n-propylamine (CAS 621-64-7)

Naphthalene (CAS 91-20-3)

Reasonably Anticipated to be a Human Carcinogen.
Reasonably Anticipated to be a Human Carcinogen.
Known To Be Human Carcinogen.
Reasonably Anticipated to be a Human Carcinogen.

Reasonably Anticipated to be a Human Carcinogen.

Reasonably Anticipated to be a Human Carcinogen. Reasonably Anticipated to be a Human Carcinogen. Reasonably Anticipated to be a Human Carcinogen. Reasonably Anticipated to be a Human Carcinogen. Reasonably Anticipated to be a Human Carcinogen. Reasonably Anticipated to be a Human Carcinogen. Reasonably Anticipated to be a Human Carcinogen. Reasonably Anticipated to be a Human Carcinogen. Reasonably Anticipated to be a Human Carcinogen. Reasonably Anticipated to be a Human Carcinogen. Reasonably Anticipated to be a Human Carcinogen. Reasonably Anticipated to be a Human Carcinogen. Reasonably Anticipated to be a Human Carcinogen.

Reproductive toxicity May cause harm to breastfed babies. May damage fertility or the unborn child.

Specific target organ toxicity - single exposure

Causes damage to organs. May cause drowsiness and dizziness.

Specific target organ toxicity - repeated exposure

Causes damage to organs through prolonged or repeated exposure.

**Aspiration hazard** May be fatal if swallowed and enters airways.

Material name: Base Neutrals Extractables Mixture - 625

Causes damage to organs through prolonged or repeated exposure. Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.

### 12. Ecological information

**Ecotoxicity** Very toxic to aquatic life with long lasting effects.

Components		Species	Test Results
1,2,4-Trichlorobenzene (CA	S 120-82-1)		
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	3.1 - 3.69 mg/l, 48 hours
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	1.35 - 1.73 mg/l, 96 hours
1,2-Dichlorobenzene (CAS 9	95-50-1)		
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	0.74 mg/l, 48 hours
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	1.58 mg/l, 96 hours
1,3-Dichlorobenzene (CAS 8	541-73-1)		
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	1.2 mg/l, 48 hours
Fish	LC50	Bluegill (Lepomis macrochirus)	3.9 - 6.2 mg/l, 96 hours
1,4-Dichlorobenzene (CAS	106-46-7)		
Aquatic	•		
Crustacea	EC50	Water flea (Daphnia magna)	0.0007 mg/l, 48 hours
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	1.12 mg/l, 96 hours
2,4-Dinitrotoluene (CAS 121	-14-2)		
Aquatic	,		
Crustacea	EC50	Water flea (Daphnia magna)	22.5 - 30.5 mg/l, 48 hours
Fish	LC50	Zebra danio (Danio rerio)	10 - 60 mg/l, 96 hours
2,6-Dinitrotoluene (CAS 606	i-20-2)	,	
Aquatic	,		
Crustacea	EC50	Water flea (Daphnia magna)	21.7 mg/l, 48 hours
Fish	LC50	Fathead minnow (Pimephales promelas)	17.2 - 20.2 mg/l. 96 hours
4-Bromophenyl phenyl ether		( (	
Aquatic	(6/16/10/00/0)		
Fish	LC50	Bluegill (Lepomis macrochirus)	4 - 6.1 mg/l, 96 hours
4-Chlorophenyl phenyl ether		,	
Aquatic	(0/10/1000/12/0	,	
Fish	LC50	Brook trout (Salvelinus fontinalis)	0.65 - 0.82 mg/l, 96 hours
Acenaphthene (CAS 83-32-			g., coc
Aquatic	<i>3</i> )		
Crustacea	EC50	Water flea (Daphnia magna)	1.102 - 1.475 mg/l, 48 hours
Fish	LC50	Fathead minnow (Pimephales promelas)	<del>-</del>
	2000	Tatricad minimow (Filmophiales prometas)	0.02 0.71 mg/l, 00 modio
Acetonitrile (CAS 75-05-8)  Aquatic			
Fish	LC50	Fathead minnow (Pimephales promelas)	> 100 mg/L 96 hours
		. actions timinow (i internates profiletas)	
Anthracene (CAS 120-12-7)  Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	0.081 - 0.112 mg/l, 48 hours
		• • •	-
Fish	LC50	Bluegill (Lepomis macrochirus)	0.0045 mg/l, 96 hours

Material name: Base Neutrals Extractables Mixture - 625

SDS US M-BN6251AB4 Version #: 02 Revision date: 01-22-2021 Issue date: 07-28-2014

Components **Species Test Results** Benzene (CAS 71-43-2) **Aquatic** Crustacea EC50 Water flea (Daphnia magna) 8.76 - 15.6 mg/l, 48 hours Fish LC50 Rainbow trout, donaldson trout 7.2 - 11.7 mg/l, 96 hours (Oncorhynchus mykiss) Bis(2-chloroethoxy)methane (CAS 111-91-1) Aquatic Fish LC50 Fathead minnow (Pimephales promelas) 155 - 217 mg/l, 96 hours Bis(2-chloroethyl)ether (CAS 111-44-4) Aquatic Fish LC50 Bluegill (Lepomis macrochirus) 600 mg/l, 96 hours Bis(2-ethylhexyl)phthalate (CAS 117-81-7) Aquatic Crustacea EC50 Water flea (Daphnia pulex) 0.133 mg/l, 48 hours Fish LC50 Bluegill (Lepomis macrochirus) > 0.2 mg/l, 96 hours > 0.2 mg/l, 96 hours Butyl benzyl phthalate (CAS 85-68-7) **Aquatic** Crustacea EC50 Water flea (Daphnia magna) > 0.96 mg/l, 48 hours Fish LC50 Shiner perch (Cymatogaster aggregata) 0.47 - 0.56 mg/l, 96 hours Diethyl phthalate (CAS 84-66-2) Aquatic Crustacea EC50 Water flea (Daphnia magna) 86 mg/l, 48 hours Fish LC50 Rainbow trout.donaldson trout 12 mg/l, 96 hours (Oncorhynchus mykiss) Dimethyl phthalate (CAS 131-11-3) Aquatic EC50 Crustacea Water flea (Daphnia magna) 45.9 mg/l, 48 hours Fish LC50 Sheepshead minnow (Cyprinodon 29 mg/l, 96 hours variegatus) Di-n-butyl phthalate (CAS 84-74-2) Aquatic Crustacea EC50 Water flea (Daphnia magna) 2.99 mg/l, 48 hours Fish LC50 Channel catfish (Ictalurus punctatus) 0.4 - 0.53 mg/l, 96 hours Fluoranthene (CAS 206-44-0) **Aquatic** LC50 Fish Fathead minnow (Pimephales promelas) 0.0054 - 0.0085 mg/l, 96 hours Fluorene (CAS 86-73-7) **Aquatic** Crustacea EC50 Water flea (Daphnia pulex) 0.212 mg/l, 48 hours Fish LC50 Rainbow trout, donaldson trout 0.55 - 1.21 mg/l, 96 hours (Oncorhynchus mykiss) Hexachloro-1,3-butadiene (CAS 87-68-3) **Aquatic** Fish LC50 Fathead minnow (Pimephales promelas) 0.09 - 0.11 mg/l, 96 hours Hexachlorobenzene (CAS 118-74-1) Aquatic Fish LC50 Bluegill (Lepomis macrochirus) > 1 mg/l, 96 hours

(Oncorhynchus mykiss)

#### Persistence and degradability

### Bioaccumulative potential

Partition coefficient n-octano	I/	water	(log	Kow)	)
4.40 D					

1,12-Benzoperylene	6.63
1,2,4-Trichlorobenzene	4.02
1,2:5,6-Dibenzanthracene	6.5
1,2-Benzanthracene	5.79
1,2-Dichlorobenzene	3.43
1,3-Dichlorobenzene	3.53
1,4-Dichlorobenzene	3.44
2,4-Dinitrotoluene	1.98
2,6-Dinitrotoluene	2.1
2-Chloronaphthalene	3.9
4-Chlorophenyl phenyl ether	4.08

<sup>\*</sup> Estimates for product may be based on additional component data not shown.

Partition coefficient n-octanol / water (log Kow)	
Acenaphthene	3.92
Acenaphthylene	4.07
Acetonitrile	-0.34
Anthracene	4.45
Azobenzene	3.82
Benzene	2.13
Benzo(a)pyrene	5.97
Benzo(b)fluoranthene	6.6
Benzo(k)fluoranthene	6.84
Bis(2-chloro-1-methylethyl) ether	2.48
Bis(2-chloroethoxy)methane	0.75
Bis(2-chloroethyl)ether	1.29
Bis(2-ethylhexyl)phthalate	7.6
Butyl benzyl phthalate	4.91
Chrysene	5.73
Diethyl phthalate	2.47
Dimethyl phthalate	1.6
Di-n-butyl phthalate	4.9
Di-n-octyl phthalate	8.1
Fluoranthene	5.16
Hexachloro-1,3-butadiene	4.78
Hexachlorobenzene	5.73
Hexachlorocyclopentadiene	3.99
Hexachloroethane	4.14
Isophorone	1.7
Methylene chloride	1.25
Naphthalene	3.3
Nitrobenzene	1.85
N-Nitrosodimethylamine	-0.57
N-Nitrosodi-n-propylamine	1.36
N-Nitrosodiphenylamine	3.13
Phenanthrene	4.57
Pyrene	4.88

Mobility in soil No data available.

Other adverse effects The product contains volatile organic compounds which have a photochemical ozone creation

potential.

### 13. Disposal considerations

**Disposal instructions**Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow

this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches

with chemical or used container. Dispose of contents/container in accordance with

local/regional/national/international regulations.

**Local disposal regulations** Dispose in accordance with all applicable regulations.

Hazardous waste code

The waste code should be assigned in discussion between the user, the producer and the waste

disposal company.

#### **US RCRA Hazardous Waste P List: Reference**

N-Nitrosodimethylamine (CAS 62-75-9) P082

Waste from residues / unused

products

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see:

Disposal instructions).

Contaminated packaging Since emptied containers may retain product residue, follow label warnings even after container is

emptied. Empty containers should be taken to an approved waste handling site for recycling or

disposal.

### 14. Transport information

DOT

UN number UN1992

**UN proper shipping name** Flammable liquids, toxic, n.o.s. (Benzene RQ = 25 LBS, Methylene chloride RQ = 2500 LBS)

(1,2-Dichlorobenzene, 1,2,4-Trichlorobenzene)

Transport hazard class(es)

Class 3

Subsidiary risk 6.1(PGI, II)

Label(s) 3.6.1 Packing group Ш

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

**Special provisions** IB2, T7, TP2, TP13

150 **Packaging exceptions** Packaging non bulk 202 243 Packaging bulk

IATA

UN1992 **UN** number

**UN** proper shipping name Flammable liquid, toxic, n.o.s. (Benzene, Methylene chloride)

Transport hazard class(es)

Class 3

6.1(PGI, II) Subsidiary risk

Packing group **Environmental hazards** No. **ERG Code** 3HP

Other information

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

Passenger and cargo

Allowed with restrictions.

aircraft

Cargo aircraft only Allowed with restrictions.

**IMDG** 

**UN** number UN1992

**UN proper shipping name** FLAMMABLE LIQUID, TOXIC, N.O.S. (Benzene, Methylene chloride) (1,2,4-Trichlorobenzene,

Hexachloro-1,3-butadiene)

Transport hazard class(es)

Class 3

Subsidiary risk 6.1(PGI, II)

Packing group

**Environmental hazards** 

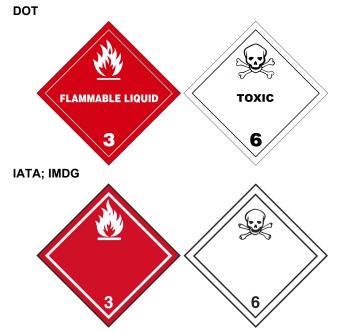
Marine pollutant No. F-E, S-D **EmS** 

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

1,2,4-Trichlorobenzene Hexachloro-1,3-butadiene

Transport in bulk according to Annex II of MARPOL 73/78 and Not established.

the IBC Code



Material name: Base Neutrals Extractables Mixture - 625

### 15. Regulatory information

### US federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

### TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

4-Bromophenyl phenyl ether (CAS 101-55-3)

Bis(2-chloro-1-methylethyl) ether (CAS 108-60-1)

Bis(2-chloroethyl)ether (CAS 111-44-4)

1.0 % One-Time Export Notification only.
1.0 % One-Time Export Notification only.

#### TSCA Chemical Action Plans, Chemicals of Concern

Bis(2-ethylhexyl)phthalate (CAS 117-81-7)

Butyl benzyl phthalate (CAS 85-68-7)

Diethyl phthalate (CAS 84-66-2)

Dimethyl phthalate (CAS 131-11-3)

Phthalates Action Plan

### **CERCLA Hazardous Substance List (40 CFR 302.4)**

1,12-Benzoperylene (CAS 191-24-2) Listed. 1,2,4-Trichlorobenzene (CAS 120-82-1) Listed. 1,2:5,6-Dibenzanthracene (CAS 53-70-3) Listed. 1,2-Benzanthracene (CAS 56-55-3) Listed. 1,2-Dichlorobenzene (CAS 95-50-1) Listed. 1,3-Dichlorobenzene (CAS 541-73-1) Listed. 1,4-Dichlorobenzene (CAS 106-46-7) Listed. 2,4-Dinitrotoluene (CAS 121-14-2) Listed. 2,6-Dinitrotoluene (CAS 606-20-2) Listed. 2-Chloronaphthalene (CAS 91-58-7) Listed. 4-Bromophenyl phenyl ether (CAS 101-55-3) Listed. 4-Chlorophenyl phenyl ether (CAS 7005-72-3) Listed. Acenaphthene (CAS 83-32-9) Listed. Acenaphthylene (CAS 208-96-8) Listed. Acetonitrile (CAS 75-05-8) Listed. Anthracene (CAS 120-12-7) Listed. Azobenzene (CAS 103-33-3) Listed. Benzene (CAS 71-43-2) Listed. Benzo(a)pyrene (CAS 50-32-8) Listed. Benzo(b)fluoranthene (CAS 205-99-2) Listed. Benzo(k)fluoranthene (CAS 207-08-9) Listed. Bis(2-chloro-1-methylethyl) ether (CAS 108-60-1) Listed. Bis(2-chloroethoxy)methane (CAS 111-91-1) Listed. Bis(2-chloroethyl)ether (CAS 111-44-4) Listed. Bis(2-ethylhexyl)phthalate (CAS 117-81-7) Listed. Butyl benzyl phthalate (CAS 85-68-7) Listed. Chrysene (CAS 218-01-9) Listed. Diethyl phthalate (CAS 84-66-2) Listed. Dimethyl phthalate (CAS 131-11-3) Listed. Di-n-butyl phthalate (CAS 84-74-2) Listed. Di-n-octvl phthalate (CAS 117-84-0) Listed. Fluoranthene (CAS 206-44-0) Listed. Fluorene (CAS 86-73-7) Listed. Hexachloro-1,3-butadiene (CAS 87-68-3) Listed. Hexachlorobenzene (CAS 118-74-1) Listed. Hexachlorocyclopentadiene (CAS 77-47-4) Listed. Hexachloroethane (CAS 67-72-1) Listed. Indeno(1,2,3-C,D)pyrene (CAS 193-39-5) Listed. Isophorone (CAS 78-59-1) Listed. Methylene chloride (CAS 75-09-2) Listed. Naphthalene (CAS 91-20-3) Listed. Nitrobenzene (CAS 98-95-3) Listed. N-Nitrosodimethylamine (CAS 62-75-9) Listed. N-Nitrosodi-n-propylamine (CAS 621-64-7) Listed. N-Nitrosodiphenvlamine (CAS 86-30-6) Listed. Phenanthrene (CAS 85-01-8) Listed. Pyrene (CAS 129-00-0) Listed.

Material name: Base Neutrals Extractables Mixture - 625

SDS US

### SARA 304 Emergency release notification

Bis(2-chloroethyl)ether (CAS 111-44-4) **10 LBS** Hexachlorocyclopentadiene (CAS 77-47-4) **10 LBS** Nitrobenzene (CAS 98-95-3) 1000 LBS N-Nitrosodimethylamine (CAS 62-75-9) 10 LBS Pyrene (CAS 129-00-0) 5000 LBS

### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Benzene (CAS 71-43-2) Cancer Methylene chloride (CAS 75-09-2) Cancer N-Nitrosodimethylamine (CAS 62-75-9) Cancer

Benzene (CAS 71-43-2) Central nervous system

Methylene chloride (CAS 75-09-2) Heart N-Nitrosodimethylamine (CAS 62-75-9) Liver Benzene (CAS 71-43-2) Blood

Methylene chloride (CAS 75-09-2) Central nervous system

N-Nitrosodimethylamine (CAS 62-75-9) Acute toxicity Benzene (CAS 71-43-2) Aspiration Methylene chloride (CAS 75-09-2) Liver Benzene (CAS 71-43-2) Skin Skin irritation Methylene chloride (CAS 75-09-2) Benzene (CAS 71-43-2) Eye Eye irritation

Benzene (CAS 71-43-2) respiratory tract irritation

Flammability

#### Superfund Amendments and Reauthorization Act of 1986 (SARA)

Immediate Hazard - Yes **Hazard categories** 

Delayed Hazard - Yes Fire Hazard - Yes Pressure Hazard - No Reactivity Hazard - No

#### SARA 302 Extremely hazardous substance

Methylene chloride (CAS 75-09-2)

Chemical name	CAS number	Reportable quantity (pounds)	Threshold planning quantity (pounds)	Threshold planning quantity, lower value (pounds)	Threshold planning quantity, upper value (pounds)
Bis(2-chloroethyl)ethe r	111-44-4	10	10000		
Hexachlorocyclopenta diene	77-47-4	10	100		
Nitrobenzene	98-95-3	1000	10000		
N-Nitrosodimethylami ne	62-75-9	10	1000		
Pyrene	129-00-0	5000		1000	10000

#### SARA 311/312 Hazardous No

chemical

### CADA 242 (TDI

Chemical name	CAS number	% by wt.	
1,2:5,6-Dibenzanthracene	53-70-3	0.1	
1,2-Benzanthracene	56-55-3	0.1	
1,4-Dichlorobenzene	106-46-7	0.1	
2,4-Dinitrotoluene	121-14-2	0.1	
2,6-Dinitrotoluene	606-20-2	0.1	
Acetonitrile	75-05-8	19 - 20	
Benzene	71-43-2	38 - 40	
Benzo(a)pyrene	50-32-8	0.1	
Benzo(b)fluoranthene	205-99-2	0.1	
Benzo(k)fluoranthene	207-08-9	0.1	
Bis(2-ethylhexyl)phthalate	117-81-7	0.1	
Hexachlorobenzene	118-74-1	0.1	
Hexachloroethane	67-72-1	0.1	
Indeno(1,2,3-C,D)pyrene	193-39-5	0.1	
Methylene chloride	75-09-2	38 - 40	
Naphthalene	91-20-3	0.1	

Material name: Base Neutrals Extractables Mixture - 625

### SARA 313 (TRI reporting)

Chemical name	CAS number	% by wt.	
Nitrobenzene	98-95-3	0.1	
N-Nitrosodimethylamine	62-75-9	0.1	
N-Nitrosodi-n-propylamine	621-64-7	0.1	

#### Other federal regulations

### Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

1,12-Benzoperylene (CAS 191-24-2)

1,2,4-Trichlorobenzene (CAS 120-82-1)

1,2:5,6-Dibenzanthracene (CAS 53-70-3)

1,2-Benzanthracene (CAS 56-55-3)

1,4-Dichlorobenzene (CAS 106-46-7)

2,4-Dinitrotoluene (CAS 121-14-2)

Acenaphthene (CAS 83-32-9)

Acenaphthylene (CAS 208-96-8)

Acetonitrile (CAS 75-05-8)

Anthracene (CAS 120-12-7)

Azobenzene (CAS 103-33-3)

Benzene (CAS 71-43-2)

Benzo(a)pyrene (CAS 50-32-8)

Benzo(b)fluoranthene (CAS 205-99-2)

Benzo(k)fluoranthene (CAS 207-08-9)

Bis(2-chloroethyl)ether (CAS 111-44-4)

Bis(2-ethylhexyl)phthalate (CAS 117-81-7)

Chrysene (CAS 218-01-9)

Dimethyl phthalate (CAS 131-11-3)

Di-n-butyl phthalate (CAS 84-74-2)

Fluoranthene (CAS 206-44-0)

Fluorene (CAS 86-73-7)

Hexachloro-1,3-butadiene (CAS 87-68-3)

Hexachlorobenzene (CAS 118-74-1)

Hexachlorocyclopentadiene (CAS 77-47-4)

Hexachloroethane (CAS 67-72-1)

Indeno(1,2,3-C,D)pyrene (CAS 193-39-5)

Isophorone (CAS 78-59-1)

Methylene chloride (CAS 75-09-2)

Naphthalene (CAS 91-20-3)

Nitrobenzene (CAS 98-95-3)

N-Nitrosodimethylamine (CAS 62-75-9)

N-Nitrosodiphenylamine (CAS 86-30-6)

Phenanthrene (CAS 85-01-8)

Pyrene (CAS 129-00-0)

### Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act

Not regulated.

(SDWA)

### FEMA Priority Substances Respiratory Health and Safety in the Flavor Manufacturing Workplace

Isophorone (CAS 78-59-1) Low priority

**US** state regulations

WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

#### US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

1,2:5,6-Dibenzanthracene (CAS 53-70-3) Listed: January 1, 1988 1,2-Benzanthracene (CAS 56-55-3) Listed: July 1, 1987 1,4-Dichlorobenzene (CAS 106-46-7) Listed: January 1, 1989 2,4-Dinitrotoluene (CAS 121-14-2) Listed: July 1, 1988 2,6-Dinitrotoluene (CAS 606-20-2) Listed: July 1, 1995 Azobenzene (CAS 103-33-3) Listed: January 1, 1990 Benzene (CAS 71-43-2) Listed: February 27, 1987 Benzo(a)pyrene (CAS 50-32-8) Listed: July 1, 1987 Benzo(b)fluoranthene (CAS 205-99-2) Listed: July 1, 1987 Benzo(k)fluoranthene (CAS 207-08-9) Listed: July 1, 1987 Bis(2-chloro-1-methylethyl) ether (CAS 108-60-1) Listed: October 29, 1999

Material name: Base Neutrals Extractables Mixture - 625

SDS US

Bis(2-chloroethyl)ether (CAS 111-44-4) Listed: April 1, 1988 Bis(2-ethylhexyl)phthalate (CAS 117-81-7) Listed: January 1, 1988 Chrysene (CAS 218-01-9) Listed: January 1, 1990 Hexachloro-1,3-butadiene (CAS 87-68-3) Listed: May 3, 2011 Hexachlorobenzene (CAS 118-74-1) Listed: October 1, 1987 Hexachloroethane (CAS 67-72-1) Listed: July 1, 1990 Indeno(1,2,3-C,D)pyrene (CAS 193-39-5) Listed: January 1, 1988 Methylene chloride (CAS 75-09-2) Listed: April 1, 1988 Naphthalene (CAS 91-20-3) Listed: April 19, 2002 Nitrobenzene (CAS 98-95-3) Listed: August 26, 1997 N-Nitrosodimethylamine (CAS 62-75-9) Listed: October 1, 1987 N-Nitrosodi-n-propylamine (CAS 621-64-7) Listed: January 1, 1988 N-Nitrosodiphenylamine (CAS 86-30-6) Listed: April 1, 1988

#### US - California Proposition 65 - CRT: Listed date/Developmental toxin

Benzene (CAS 71-43-2) Listed: December 26, 1997 Bis(2-ethylhexyl)phthalate (CAS 117-81-7) Listed: October 24, 2003 Butyl benzyl phthalate (CAS 85-68-7) Listed: December 2, 2005 Di-n-butyl phthalate (CAS 84-74-2) Listed: December 2, 2005 Hexachlorobenzene (CAS 118-74-1) Listed: January 1, 1989

### US - California Proposition 65 - CRT: Listed date/Female reproductive toxin

2.4-Dinitrotoluene (CAS 121-14-2) Listed: August 20, 1999 2,6-Dinitrotoluene (CAS 606-20-2) Listed: August 20, 1999 Di-n-butyl phthalate (CAS 84-74-2) Listed: December 2, 2005

### US - California Proposition 65 - CRT: Listed date/Male reproductive toxin

2,4-Dinitrotoluene (CAS 121-14-2) Listed: August 20, 1999 2,6-Dinitrotoluene (CAS 606-20-2) Listed: August 20, 1999 Benzene (CAS 71-43-2) Listed: December 26, 1997 Bis(2-ethylhexyl)phthalate (CAS 117-81-7) Listed: October 24, 2003 Di-n-butyl phthalate (CAS 84-74-2) Listed: December 2, 2005 Nitrobenzene (CAS 98-95-3) Listed: March 30, 2010

### US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))

1,12-Benzoperylene (CAS 191-24-2)

1,2,4-Trichlorobenzene (CAS 120-82-1)

1.2:5.6-Dibenzanthracene (CAS 53-70-3)

1.2-Benzanthracene (CAS 56-55-3)

1,2-Dichlorobenzene (CAS 95-50-1)

1,3-Dichlorobenzene (CAS 541-73-1)

1,4-Dichlorobenzene (CAS 106-46-7)

2,4-Dinitrotoluene (CAS 121-14-2)

2,6-Dinitrotoluene (CAS 606-20-2)

2-Chloronaphthalene (CAS 91-58-7)

4-Bromophenyl phenyl ether (CAS 101-55-3)

4-Chlorophenyl phenyl ether (CAS 7005-72-3)

Acenaphthene (CAS 83-32-9)

Acenaphthylene (CAS 208-96-8)

Acetonitrile (CAS 75-05-8)

Anthracene (CAS 120-12-7)

Azobenzene (CAS 103-33-3)

Benzene (CAS 71-43-2)

Benzo(a)pyrene (CAS 50-32-8)

Benzo(b)fluoranthene (CAS 205-99-2)

Benzo(k)fluoranthene (CAS 207-08-9)

Bis(2-chloro-1-methylethyl) ether (CAS 108-60-1)

Bis(2-chloroethoxy)methane (CAS 111-91-1)

Bis(2-chloroethyl)ether (CAS 111-44-4)

Bis(2-ethylhexyl)phthalate (CAS 117-81-7)

Butyl benzyl phthalate (CAS 85-68-7)

Chrysene (CAS 218-01-9)

Diethyl phthalate (CAS 84-66-2)

Dimethyl phthalate (CAS 131-11-3)

Di-n-butyl phthalate (CAS 84-74-2)

Di-n-octyl phthalate (CAS 117-84-0)

Fluoranthene (CAS 206-44-0)

Fluorene (CAS 86-73-7)

Hexachloro-1,3-butadiene (CAS 87-68-3)

Hexachloroethane (CAS 67-72-1)

Indeno(1,2,3-C,D)pyrene (CAS 193-39-5)

Isophorone (CAS 78-59-1)

Methylene chloride (CAS 75-09-2)

Naphthalene (CAS 91-20-3) Nitrobenzene (CAS 98-95-3)

N-Nitrosodimethylamine (CAS 62-75-9) N-Nitrosodi-n-propylamine (CAS 621-64-7) N-Nitrosodiphenylamine (CAS 86-30-6)

Phenanthrene (CAS 85-01-8) Pyrene (CAS 129-00-0)

#### **International Inventories**

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No

<sup>\*</sup>A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s) A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

Toxic Substances Control Act (TSCA) Inventory

### 16. Other information, including date of preparation or last revision

07-28-2014 Issue date **Revision date** 01-22-2021

Version # 02

United States & Puerto Rico

**NFPA** ratings Health: 4

Flammability: 3 Instability: 0

Material name: Base Neutrals Extractables Mixture - 625

M-BN6251AB4 Version #: 02 Revision date: 01-22-2021 Issue date: 07-28-2014

No

#### **Disclaimer**

Chem Service, Inc. cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The above information is believed to be correct on the date it was last revised and must not be considered all inclusive. The information has been obtained only by a search of available literature and is only a guide for handling the chemicals. OSHA regulations require that if other hazards become evident, an upgraded SDS must be made available to the employee within three months. RESPONSIBILITY for updates lies with the employer and not with CHEM SERVICE, Inc.

Persons not specifically and properly trained should not handle this chemical or its container. This product is furnished FOR LABORATORY USE ONLY! Our products may NOT BE USED as drugs, cosmetics, agricultural or pesticide products, food additives or as household chemicals.

This Safety Data Sheet (SDS) is intended only for use with Chem Service, Inc. products and should not be relied on for use with materials from any other supplier even if the chemical name(s) on the product are identical! Whenever using an SDS for a solution or mixture the user should refer to the SDS for every component of the solution or mixture. Chem Service warrants that this SDS is based upon the most current information available to Chem Service at the time it was last revised. THIS WARRANTY IS EXCLUSIVE, AND CHEM SERVICE, INC. MAKES NO OTHER WARRANTY, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE. This SDS is provided gratis and CHEM SERVICE, INC. SHALL NOT BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL OR CONTINGENT DAMAGES.

Copyright © 2000-2014 Chem Service, Inc. All rights reserved except that this SDS may be printed for the use of a customer or prospective customer of Chem Service, Inc provided the entire SDS is printed. The SDS may not be placed in any database or otherwise stored or distributed in electronic or any other form.

This product is furnished FOR LABORATORY USE ONLY.

**Revision information** 

This document has undergone significant changes and should be reviewed in its entirety.