

## 1. Identification

<b>Product identifier</b>	<b>Base Neutrals Matrix Spiking Mixture #A, High Concentration</b>	
<b>Other means of identification</b>		
Item	M-BNMSH1X7	
<b>Recommended use</b>	For Laboratory Use Only	
<b>Recommended restrictions</b>	None known.	
<b>Manufacturer/Importer/Supplier/Distributor information</b>		
<b>Manufacturer</b>		
Company name	Chem Service, Inc.	
Address	660 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

<b>Physical hazards</b>	Not classified.	
<b>Health hazards</b>	Acute toxicity, oral	Category 4
	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 2A
	Carcinogenicity	Category 1B
	Reproductive toxicity (fertility)	Category 2
	Specific target organ toxicity, repeated exposure	Category 2
<b>Environmental hazards</b>	Hazardous to the aquatic environment, acute hazard	Category 1
	Hazardous to the aquatic environment, long-term hazard	Category 1
<b>OSHA defined hazards</b>	Not classified.	
<b>Label elements</b>		



<b>Signal word</b>	Danger
<b>Hazard statement</b>	Harmful if swallowed. Causes skin irritation. Causes serious eye irritation. May cause cancer. Suspected of damaging fertility. May cause damage to organs through prolonged or repeated exposure. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.
<b>Precautionary statement</b>	
Prevention	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe mist or vapor. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.
Response	If swallowed: Call a poison center/doctor if you feel unwell. If on skin: Wash with plenty of water. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If exposed or concerned: Get medical advice/attention. Specific treatment (see this label). Rinse mouth. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash before reuse. Collect spillage.
Storage	Store locked up.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.

**Hazard(s) not otherwise classified (HNOC)** None known.

**Supplemental information** 1% of the mixture consists of component(s) of unknown acute oral toxicity. 97.5% of the mixture consists of component(s) of unknown acute hazards to the aquatic environment. 97% 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	%
Methylene chloride	DICHLOROMETHANE; METHYLENE DICHLORIDE	75-09-2	97
1,2,4-Trichlorobenzene		120-82-1	0.5
1,4-Dichlorobenzene		106-46-7	0.5
2,4-Dinitrotoluene		121-14-2	0.5
Acenaphthene		83-32-9	0.5
N-Nitrosodi-n-propylamine		621-64-7	0.5
Pyrene		129-00-0	0.5

\*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

### 4. First-aid measures

<b>Inhalation</b>	Move to fresh air. Call a physician if symptoms develop or persist.
<b>Skin contact</b>	Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.
<b>Eye contact</b>	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.
<b>Ingestion</b>	Rinse mouth. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
<b>Most important symptoms/effects, acute and delayed</b>	Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. Prolonged exposure may cause chronic effects.
<b>Indication of immediate medical attention and special treatment needed</b>	Provide general supportive measures and treat symptomatically. In case of shortness of breath, give oxygen. Keep victim warm. Keep victim under observation. Symptoms may be delayed.
<b>General information</b>	IF exposed or concerned: Get medical advice/attention. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

### 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO <sub>2</sub> ).
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.
<b>Specific hazards arising from the chemical</b>	During fire, gases hazardous to health may be formed.
<b>Special protective equipment and precautions for firefighters</b>	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
<b>Fire-fighting equipment/instructions</b>	Move containers from fire area if you can do so without risk.
<b>Specific methods</b>	Use standard firefighting procedures and consider the hazards of other involved materials.
<b>General fire hazards</b>	No unusual fire or explosion hazards noted.

### 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
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**Methods and materials for containment and cleaning up**

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. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: 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. For waste disposal, see section 13 of the SDS.

**Environmental precautions**

Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground.

**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 breathe mist or vapor. Do not taste or swallow. Avoid contact with skin. Avoid contact with eyes. Avoid contact during pregnancy/while nursing. Avoid prolonged exposure. Avoid contact with clothing. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. When using, do not eat, drink or smoke. Wash hands thoroughly after handling. Avoid release to the environment. Do not empty into drains.

**Conditions for safe storage, including any incompatibilities**

Store locked up. Store in original tightly closed container. Refrigeration recommended. Store away from incompatible materials (see Section 10 of the SDS).

**8. Exposure controls/personal protection**

**Occupational exposure limits**

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Components	Type	Value
Methylene chloride (CAS 75-09-2)	STEL	125 ppm
	TWA	25 ppm

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

Components	Type	Value
1,4-Dichlorobenzene (CAS 106-46-7)	PEL	450 mg/m3
2,4-Dinitrotoluene (CAS 121-14-2)		75 ppm
	PEL	1.5 mg/m3

**US. ACGIH Threshold Limit Values**

Components	Type	Value
1,2,4-Trichlorobenzene (CAS 120-82-1)	Ceiling	5 ppm
1,4-Dichlorobenzene (CAS 106-46-7)	TWA	10 ppm
2,4-Dinitrotoluene (CAS 121-14-2)	TWA	0.2 mg/m3
Methylene chloride (CAS 75-09-2)	TWA	50 ppm

**US. NIOSH: Pocket Guide to Chemical Hazards**

Components	Type	Value
1,2,4-Trichlorobenzene (CAS 120-82-1)		40 mg/m3
	Ceiling	5 ppm
2,4-Dinitrotoluene (CAS 121-14-2)	TWA	1.5 mg/m3

**Biological limit values**

**ACGIH Biological Exposure Indices**

Components	Value	Determinant	Specimen	Sampling Time
Methylene chloride (CAS 75-09-2)	0.3 mg/l	Dichloromethane	Urine	*

\* - For sampling details, please see the source document.

## Exposure guidelines

### US - California OELs: Skin designation

2,4-Dinitrotoluene (CAS 121-14-2) Can be absorbed through the skin.

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

2,4-Dinitrotoluene (CAS 121-14-2) Skin designation applies.

### US - Tennessee OELs: Skin designation

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

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

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

### Appropriate engineering controls

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. Eye wash facilities and emergency shower must be available when handling this product.

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

**Eye/face protection** Wear safety glasses with side shields (or goggles).

#### Skin protection

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

**Other** Wear appropriate chemical resistant clothing.

**Respiratory protection** In case of insufficient ventilation, wear suitable respiratory equipment.

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

### General hygiene considerations

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.

## 9. Physical and chemical properties

### Appearance

**Physical state** Liquid.

**Form** Liquid

**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 range** 103.55 °F (39.75 °C) estimated

**Flash point** Not available.

**Evaporation rate** Not available.

**Flammability (solid, gas)** Not available.

### Upper/lower flammability or explosive limits

**Flammability limit - lower (%)** 15.5 % estimated

**Flammability limit - upper (%)** 66.4 % estimated

**Explosive limit - lower (%)** Not available.

**Explosive limit - upper (%)** Not available.

**Vapor pressure** 579.97 hPa estimated

**Vapor density** Not available.

**Relative density** Not available.

### Solubility(ies)

**Solubility (water)** Not available.

**Partition coefficient (n-octanol/water)** Not available.

**Auto-ignition temperature** 1033 °F (556.11 °C) estimated

<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	Not available.
<b>Other information</b>	
<b>Density</b>	1.321801 g/cm3 estimated
<b>Percent volatile</b>	97.5 % estimated
<b>Specific gravity</b>	1.32 estimated
<b>VOC (Weight %)</b>	97.5 % estimated

## 10. Stability and reactivity

<b>Reactivity</b>	The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur.
<b>Conditions to avoid</b>	Contact with incompatible materials.
<b>Incompatible materials</b>	Strong oxidizing agents.
<b>Hazardous decomposition products</b>	No hazardous decomposition products are known.

## 11. Toxicological information

### Information on likely routes of exposure

<b>Ingestion</b>	Harmful if swallowed.
<b>Inhalation</b>	Prolonged inhalation may be harmful. May cause damage to organs by inhalation.
<b>Skin contact</b>	Causes skin irritation.
<b>Eye contact</b>	Causes serious eye irritation.

**Symptoms related to the physical, chemical and toxicological characteristics** Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain.

### Information on toxicological effects

**Acute toxicity** Harmful if swallowed.

Components	Species	Test Results
1,2,4-Trichlorobenzene (CAS 120-82-1)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Mouse	300 mg/kg
	Rabbit	> 5000 mg/kg
	Rat	11356 mg/kg
<i>Oral</i>		
LD50	Mouse	766 mg/kg
	Rat	600 mg/kg
<i>Other</i>		
LD50	Mouse	1223 mg/kg
	Rat	6100 mg/kg
1,4-Dichlorobenzene (CAS 106-46-7)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rat	> 6000 mg/kg
<i>Inhalation</i>		
LC50	Rat	> 5.07 mg/l, 4 Hours
<i>Oral</i>		
LD50	Guinea pig	7593 mg/kg
	Mouse	2950 mg/kg
	Rabbit	2812 mg/kg
	Rat	500 mg/kg
		500 - 1000 mg/kg

Components	Species	Test Results
<i>Other</i>		
LD50	Mouse	2 g/kg
	Rat	2562 mg/kg
2,4-Dinitrotoluene (CAS 121-14-2)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rat	> 2500 mg/kg
<i>Inhalation</i>		
LC50	Rat	0.24 mg/l
<i>Oral</i>		
LD50	Cat	27 mg/kg
	Guinea pig	1300 mg/kg
	Mouse	750 mg/kg
	Rat	268 mg/kg
TD	Dog	1 mg/kg
<i>Other</i>		
LD50	Mouse	> 500 mg/kg
Methylene chloride (CAS 75-09-2)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rat	> 2000 mg/kg
<i>Inhalation</i>		
LC50	Guinea pig	11600 ppm, 6 Hours 40.2 mg/l, 6 Hours
	Mouse	14400 ppm, 7 Hours 51.5 mg/l, 2 Hours 49.1 mg/l, 6 Hours 49 mg/l, 7 Hours
	Rat	2000 mg/l, 15 Minutes 88 mg/l, 900 Days 79 mg/l, 2 Hours 52 mg/l, 6 Hours
LD50	Mouse	16000 ppm, 7 Hours
<i>Oral</i>		
LD50	Rat	1600 mg/kg
<i>Other</i>		
LD50	Mouse	437 mg/kg
N-Nitrosodi-n-propylamine (CAS 621-64-7)		
<b>Acute</b>		
<i>Oral</i>		
LD50	Rat	480 mg/kg
<i>Other</i>		
LD50	Hamster	600 mg/kg
	Rat	487 mg/kg

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

<b>Skin corrosion/irritation</b>	Causes skin irritation.
<b>Serious eye damage/eye irritation</b>	Causes serious eye irritation.
<b>Respiratory or skin sensitization</b>	
<b>Respiratory sensitization</b>	Not available.
<b>Skin sensitization</b>	This product is not expected to cause skin sensitization.

**Germ cell mutagenicity** No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

**Carcinogenicity** May cause cancer.

**IARC Monographs. Overall Evaluation of Carcinogenicity**

1,4-Dichlorobenzene (CAS 106-46-7)	2B Possibly carcinogenic to humans.
2,4-Dinitrotoluene (CAS 121-14-2)	2B Possibly carcinogenic to humans.
Acenaphthene (CAS 83-32-9)	3 Not classifiable as to carcinogenicity to humans.
Methylene chloride (CAS 75-09-2)	2B Possibly carcinogenic to humans.
N-Nitrosodi-n-propylamine (CAS 621-64-7)	2B Possibly carcinogenic to humans.
Pyrene (CAS 129-00-0)	3 Not classifiable as to carcinogenicity to humans.

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

1,4-Dichlorobenzene (CAS 106-46-7)	Reasonably Anticipated to be a Human Carcinogen.
Methylene chloride (CAS 75-09-2)	Reasonably Anticipated to be a Human Carcinogen.
N-Nitrosodi-n-propylamine (CAS 621-64-7)	Reasonably Anticipated to be a Human Carcinogen.

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Methylene chloride (CAS 75-09-2)	Cancer
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**Reproductive toxicity** Suspected of damaging fertility.

**Specific target organ toxicity - single exposure** Not classified.

**Specific target organ toxicity - repeated exposure** May cause damage to organs through prolonged or repeated exposure.

**Aspiration hazard** Not available.

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

## 12. Ecological information

**Ecotoxicity** Very toxic to aquatic life with long lasting effects. Accumulation in aquatic organisms is expected.

Components		Species	Test Results
1,2,4-Trichlorobenzene (CAS 120-82-1)			
<b>Aquatic</b>			
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
1,4-Dichlorobenzene (CAS 106-46-7)			
<b>Aquatic</b>			
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)			
<b>Aquatic</b>			
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
Acenaphthene (CAS 83-32-9)			
<b>Aquatic</b>			
Crustacea	EC50	Water flea (Daphnia magna)	1.102 - 1.475 mg/l, 48 hours
Fish	LC50	Fathead minnow (Pimephales promelas)	0.52 - 0.71 mg/l, 96 hours
Methylene chloride (CAS 75-09-2)			
<b>Aquatic</b>			
Crustacea	EC50	Water flea (Daphnia magna)	1250 mg/l, 48 hours
Fish	LC50	Fathead minnow (Pimephales promelas)	140.8 - 277.8 mg/l, 96 hours
Pyrene (CAS 129-00-0)			
<b>Aquatic</b>			
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	> 2 mg/l, 96 hours

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

**Persistence and degradability** No data is available on the degradability of this product.

**Bioaccumulative potential** No data available.

**Partition coefficient n-octanol / water (log Kow)**

1,2,4-Trichlorobenzene	4.02
1,4-Dichlorobenzene	3.44
2,4-Dinitrotoluene	1.98
Acenaphthene	3.92
Methylene chloride	1.25
N-Nitrosodi-n-propylamine	1.36
Pyrene	4.88

**Mobility in soil** No data available.

**Other adverse effects** No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

**13. Disposal considerations**

**Disposal instructions** Collect and reclaim or dispose in sealed containers at licensed waste disposal site. This material and its container must be disposed of as hazardous waste. 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 U List: Reference**

1,4-Dichlorobenzene (CAS 106-46-7)	U072
2,4-Dinitrotoluene (CAS 121-14-2)	U105
Methylene chloride (CAS 75-09-2)	U080
N-Nitrosodi-n-propylamine (CAS 621-64-7)	U111

**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** Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

**14. Transport information****DOT**

<b>UN number</b>	UN1593
<b>UN proper shipping name</b>	Dichloromethane, solution, MARINE POLLUTANT
<b>Transport hazard class(es)</b>	
<b>Class</b>	6.1(PGIII)
<b>Subsidiary risk</b>	-
<b>Label(s)</b>	6.1
<b>Packing group</b>	III
<b>Environmental hazards</b>	
<b>Marine pollutant</b>	Yes
<b>Special precautions for user</b>	Read safety instructions, SDS and emergency procedures before handling.
<b>Special provisions</b>	IB3, IP8, N36, T7, TP2
<b>Packaging exceptions</b>	153
<b>Packaging non bulk</b>	203
<b>Packaging bulk</b>	241

**IATA**

<b>UN number</b>	UN1593
<b>UN proper shipping name</b>	Dichloromethane solution
<b>Transport hazard class(es)</b>	
<b>Class</b>	6.1(PGIII)
<b>Subsidiary risk</b>	-
<b>Packing group</b>	III
<b>Environmental hazards</b>	No.
<b>ERG Code</b>	6L
<b>Special precautions for user</b>	Read safety instructions, SDS and emergency procedures before handling.

**Other information**

<b>Passenger and cargo aircraft</b>	Allowed.
<b>Cargo aircraft only</b>	Allowed.

**IMDG**

<b>UN number</b>	UN1593
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**UN proper shipping name** DICHLOROMETHANE SOLUTION, MARINE POLLUTANT  
**Transport hazard class(es)**  
**Class** 6.1(PGIII)  
**Subsidiary risk** -  
**Packing group** III  
**Environmental hazards**  
**Marine pollutant** Yes  
**EmS** F-A, S-A  
**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.  
**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not available.

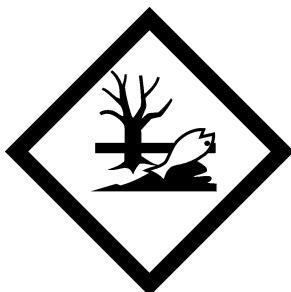
**DOT**



**IATA; IMDG**



**Marine pollutant**



**15. Regulatory information**

**US federal regulations** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.  
 All components are on the U.S. EPA TSCA Inventory List.

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

Not regulated.

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

1,2,4-Trichlorobenzene (CAS 120-82-1)	Listed.
2,4-Dinitrotoluene (CAS 121-14-2)	Listed.
Acenaphthene (CAS 83-32-9)	Listed.
Methylene chloride (CAS 75-09-2)	Listed.
N-Nitrosodi-n-propylamine (CAS 621-64-7)	Listed.
Pyrene (CAS 129-00-0)	Listed.

**SARA 304 Emergency release notification**

Pyrene (CAS 129-00-0)	5000 LBS
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**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Methylene chloride (CAS 75-09-2)	Cancer Heart
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Central nervous system  
Liver  
Skin irritation  
Eye irritation

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

**Hazard categories**  
Immediate Hazard - Yes  
Delayed Hazard - Yes  
Fire Hazard - No  
Pressure Hazard - No  
Reactivity Hazard - No

**SARA 302 Extremely hazardous substance**

Chemical name	CAS number	Reportable quantity	Threshold planning quantity	Threshold planning quantity, lower value	Threshold planning quantity, upper value
Pyrene	129-00-0	5000		1000 lbs	10000 lbs

**SARA 311/312 Hazardous chemical** No

**SARA 313 (TRI reporting)**

Chemical name	CAS number	% by wt.
Methylene chloride	75-09-2	97
1,4-Dichlorobenzene	106-46-7	0.5
2,4-Dinitrotoluene	121-14-2	0.5
N-Nitrosodi-n-propylamine	621-64-7	0.5

**Other federal regulations**

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

- 1,2,4-Trichlorobenzene (CAS 120-82-1)
- 1,4-Dichlorobenzene (CAS 106-46-7)
- 2,4-Dinitrotoluene (CAS 121-14-2)
- Acenaphthene (CAS 83-32-9)
- Methylene chloride (CAS 75-09-2)
- 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 (SDWA)** Not regulated.

**US state regulations**

**US. Massachusetts RTK - Substance List**

- 1,2,4-Trichlorobenzene (CAS 120-82-1)
- 1,4-Dichlorobenzene (CAS 106-46-7)
- 2,4-Dinitrotoluene (CAS 121-14-2)
- Acenaphthene (CAS 83-32-9)
- Methylene chloride (CAS 75-09-2)
- N-Nitrosodi-n-propylamine (CAS 621-64-7)
- Pyrene (CAS 129-00-0)

**US. New Jersey Worker and Community Right-to-Know Act**

- 1,2,4-Trichlorobenzene (CAS 120-82-1) 500 LBS
- 1,4-Dichlorobenzene (CAS 106-46-7) 500 LBS
- 2,4-Dinitrotoluene (CAS 121-14-2) 500 LBS
- Methylene chloride (CAS 75-09-2) 500 LBS
- N-Nitrosodi-n-propylamine (CAS 621-64-7) 500 LBS
- Pyrene (CAS 129-00-0) 500 LBS

**US. Pennsylvania RTK - Hazardous Substances**

- 1,2,4-Trichlorobenzene (CAS 120-82-1)
- 1,4-Dichlorobenzene (CAS 106-46-7)
- 2,4-Dinitrotoluene (CAS 121-14-2)
- Acenaphthene (CAS 83-32-9)
- Methylene chloride (CAS 75-09-2)
- N-Nitrosodi-n-propylamine (CAS 621-64-7)
- Pyrene (CAS 129-00-0)

**US. Rhode Island RTK**

- 1,2,4-Trichlorobenzene (CAS 120-82-1)
- 1,4-Dichlorobenzene (CAS 106-46-7)
- 2,4-Dinitrotoluene (CAS 121-14-2)
- Acenaphthene (CAS 83-32-9)
- Methylene chloride (CAS 75-09-2)

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

Pyrene (CAS 129-00-0)

### US. California Proposition 65

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

1,4-Dichlorobenzene (CAS 106-46-7)	Listed: January 1, 1989
2,4-Dinitrotoluene (CAS 121-14-2)	Listed: July 1, 1988
Methylene chloride (CAS 75-09-2)	Listed: April 1, 1988
N-Nitrosodi-n-propylamine (CAS 621-64-7)	Listed: January 1, 1988

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

2,4-Dinitrotoluene (CAS 121-14-2)	Listed: August 20, 1999
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#### US - California Proposition 65 - CRT: Listed date/Male reproductive toxin

2,4-Dinitrotoluene (CAS 121-14-2)	Listed: August 20, 1999
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### 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)	Yes
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
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*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).

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

Issue date	10-24-2014
Version #	01
NFPA ratings	Health: 2 Flammability: 1 Instability: 0

### Disclaimer

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.

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