

1. Identification

Product identifier	Semi-Volatiles Supplement Mixture - CLP Semi	
Other means of identification		
Item	M-CLPSEM1XX4	
Recommended use	For Laboratory Use Only	
Recommended restrictions	None known.	
Manufacturer/Importer/Supplier/Distributor information		
Manufacturer		
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

Physical hazards	Not classified.	
Health hazards	Acute toxicity, oral	Category 4
	Acute toxicity, inhalation	Category 3
	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 2A
	Sensitization, skin	Category 1
	Carcinogenicity	Category 1B
	Specific target organ toxicity, repeated exposure	Category 2
Environmental hazards	Hazardous to the aquatic environment, acute hazard	Category 1
	Hazardous to the aquatic environment, long-term hazard	Category 1
OSHA defined hazards	Not classified.	

Label elements



Signal word	Danger
Hazard statement	Harmful if swallowed. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Toxic if inhaled. May cause cancer. May cause 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. Use only outdoors or in a well-ventilated area. Do not breathe mist or vapor. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. 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.

Response	If swallowed: Call a poison center/doctor if you feel unwell. If on skin: Wash with plenty of water. 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. Call a poison center/doctor. Specific treatment (see this label). Rinse mouth. If skin irritation or rash 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 in a well-ventilated place. Keep container tightly closed. 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	0.1% of the mixture consists of component(s) of unknown acute oral toxicity. 99% of the mixture consists of component(s) of unknown acute inhalation toxicity. 99% of the mixture consists of component(s) of unknown acute hazards to the aquatic environment. 99% 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	99
2-Methylnaphthalene		91-57-6	0.1
4-Chloroaniline		106-47-8	0.1
Aniline		62-53-3	0.1
Benzyl alcohol		100-51-6	0.1
Carbazole		86-74-8	0.1
Dibenzofuran		132-64-9	0.1
m-Nitroaniline		99-09-2	0.1
o-Nitroaniline		88-74-4	0.1
p-Nitroaniline		100-01-6	0.1
Pyridine		110-86-1	0.1

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

4. First-aid measures

Inhalation	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 POISON CENTER or doctor/physician.
Skin contact	Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions. Take off contaminated clothing and wash before reuse.
Eye contact	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.
Ingestion	Rinse mouth. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
Most important symptoms/effects, acute and delayed	Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause an allergic skin reaction. Dermatitis. Rash. May cause redness and pain. Prolonged exposure may cause chronic effects.
Indication of immediate medical attention and special treatment needed	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.
General information	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. Wash contaminated clothing before reuse.

5. Fire-fighting measures

Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	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	Move containers from fire area if you can do so without risk.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	No unusual fire or explosion hazards noted.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures Immediately evacuate personnel to safe areas. 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. Fully encapsulating, vapor protective clothing should be worn for spills and leaks with no fire. 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.

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 prolonged exposure. Avoid contact with clothing. Use only outdoors or in a well-ventilated area. 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. Store in a well-ventilated place. 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
Aniline (CAS 62-53-3)	PEL	19 mg/m3
		5 ppm
p-Nitroaniline (CAS 100-01-6)	PEL	6 mg/m3
		1 ppm
Pyridine (CAS 110-86-1)	PEL	15 mg/m3
		5 ppm

US. ACGIH Threshold Limit Values

Components	Type	Value
2-Methylnaphthalene (CAS 91-57-6)	TWA	0.5 ppm
Aniline (CAS 62-53-3)	TWA	2 ppm
Methylene chloride (CAS 75-09-2)	TWA	50 ppm
p-Nitroaniline (CAS 100-01-6)	TWA	3 mg/m3
Pyridine (CAS 110-86-1)	TWA	1 ppm

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
p-Nitroaniline (CAS 100-01-6)	TWA	3 mg/m ³
Pyridine (CAS 110-86-1)	TWA	15 mg/m ³ 5 ppm

US. Workplace Environmental Exposure Level (WEEL) Guides

Components	Type	Value
Benzyl alcohol (CAS 100-51-6)	TWA	44.2 mg/m ³ 10 ppm

Biological limit values**ACGIH Biological Exposure Indices**

Components	Value	Determinant	Specimen	Sampling Time
Aniline (CAS 62-53-3)	50 mg/l	p-Aminophenol , with hydrolysis	Urine	*
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**

Aniline (CAS 62-53-3) Can be absorbed through the skin.
p-Nitroaniline (CAS 100-01-6) Can be absorbed through the skin.

US - Minnesota Haz Subs: Skin designation applies

Aniline (CAS 62-53-3) Skin designation applies.
p-Nitroaniline (CAS 100-01-6) Skin designation applies.

US - Tennessee OELs: Skin designation

Aniline (CAS 62-53-3) Can be absorbed through the skin.
p-Nitroaniline (CAS 100-01-6) Can be absorbed through the skin.

US ACGIH Threshold Limit Values: Skin designation

2-Methylnaphthalene (CAS 91-57-6) Can be absorbed through the skin.
Aniline (CAS 62-53-3) Can be absorbed through the skin.
p-Nitroaniline (CAS 100-01-6) Can be absorbed through the skin.

US NIOSH Pocket Guide to Chemical Hazards: Skin designation

p-Nitroaniline (CAS 100-01-6) Can be absorbed through the skin.

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

Aniline (CAS 62-53-3) Can be absorbed through the skin.
p-Nitroaniline (CAS 100-01-6) 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. Contaminated work clothing should not be allowed out of the workplace.

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
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Density	1.322766 g/cm3 estimated
Percent volatile	99.4 % estimated
Specific gravity	1.32 estimated
VOC (Weight %)	99.4 % 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 reactions	Hazardous polymerization does not occur.
Conditions to avoid	Contact with incompatible materials.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	Toxic gas.

11. Toxicological information

Information on likely routes of exposure

Ingestion	Harmful if swallowed.
Inhalation	Toxic by inhalation. May cause damage to organs by inhalation.
Skin contact	Causes skin irritation. May cause an allergic skin reaction.
Eye contact	Causes serious eye irritation.

Symptoms related to the physical, chemical and toxicological characteristics Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause an allergic skin reaction. Skin irritation. May cause redness and pain. Dermatitis. Rash.

Information on toxicological effects

Acute toxicity Toxic by inhalation. Harmful if swallowed. May cause an allergic skin reaction.

Components	Species	Test Results
2-Methylnaphthalene (CAS 91-57-6)		
Acute		
<i>Oral</i>		
LD50	Rat	1630 mg/kg
4-Chloroaniline (CAS 106-47-8)		
Acute		
<i>Dermal</i>		
LD50	Cat	223 - 1229 mg/kg
	New Zealand rabbit	360 mg/kg
	Rabbit	> 200 mg/kg
	Rat	320 mg/kg
<i>Inhalation</i>		
LC50	Rat	2340 mg/m ³ , 4 Hours 2.34 mg/l, 4 Hours
<i>Oral</i>		
LD50	Guinea pig	350 mg/kg
	Mouse	100 mg/kg
	Rat	200 - 480 mg/kg
<i>Other</i>		
LD100	Dog	100 mg/kg
LD50	Rat	420 mg/kg
Aniline (CAS 62-53-3)		
Acute		
<i>Dermal</i>		
LD50	Cat	254 mg/kg
	Guinea pig	1290 mg/kg
	Rabbit	1540 mg/kg
	Rat	670 mg/kg
<i>Inhalation</i>		
LC50	Mouse	175 ppm 175 ppm, 7 Hours
	Rat	> 2.1 mg/l, 1 Hours 478 ppm 478 ppm, 4 Hours
<i>Oral</i>		
LD50	Cat	1750 mg/kg
	Dog	195 mg/kg
	Mouse	464 mg/kg
	Rabbit	1000 mg/kg
	Rat	440 mg/kg
<i>Other</i>		
LD50	Cat	254 mg/kg
	Mouse	156 mg/kg
	Rabbit	64 mg/kg
	Rat	340 mg/kg
Benzyl alcohol (CAS 100-51-6)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	2000 mg/kg
<i>Inhalation</i>		
LC100	Rat	200 - 300 mg/l, 8 Hours
LC50	Rat	> 0.9 mg/l, 4 Hours

Components	Species	Test Results
		1000 mg/l, 8 Hours
<i>Oral</i>		
LD50	Mouse	1150 mg/kg
	Rabbit	1040 mg/kg
	Rat	1230 mg/kg
		1230 - 3100 mg/kg
<i>Other</i>		
LD50	Guinea pig	> 400 mg/kg
	Mouse	105 mg/kg
	Rabbit	1800 mg/kg
	Rat	53 mg/kg
Carbazole (CAS 86-74-8)		
Acute		
<i>Oral</i>		
LD50	Rat	> 5000 mg/kg
Methylene chloride (CAS 75-09-2)		
Acute		
<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
m-Nitroaniline (CAS 99-09-2)		
Acute		
<i>Oral</i>		
LD50	Guinea pig	450 mg/kg
	Mouse	308 mg/kg
	Rat	535 mg/kg
o-Nitroaniline (CAS 88-74-4)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	> 7940 mg/kg
<i>Inhalation</i>		
LC50	Rat	> 2.529 mg/l, 4 Hours
<i>Oral</i>		
LD50	Guinea pig	2350 mg/kg
	Mouse	1070 mg/kg
	Rat	1600 mg/kg

Components	Species	Test Results
p-Nitroaniline (CAS 100-01-6)		
Acute		
<i>Dermal</i>		
LD50	Rat	> 2500 mg/kg
<i>Oral</i>		
LD50	Guinea pig	450 mg/kg
	Mouse	810 mg/kg
	Rat	750 mg/kg
<i>Other</i>		
LD50	Mouse	250 mg/kg
Pyridine (CAS 110-86-1)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	1000 - 2000 mg/kg
<i>Inhalation</i>		
LC50	Rat	9000 ppm, 1 Hours 4000 ppm, 4 Hours
LD50	Rat	9000 ppm, 1 Hours
<i>Oral</i>		
LD50	Guinea pig	4000 mg/kg
	Mouse	0.8 g/kg
	Rat	800 - 1600 mg/kg 0.8 g/kg
<i>Other</i>		
LD50	Dog	880 mg/kg
	Guinea pig	1 ml/kg
	Mouse	420 mg/kg
	Rat	360 mg/kg

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

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/eye irritation Causes serious eye irritation.

Respiratory or skin sensitization

Respiratory sensitization Not available.

Skin sensitization May cause an allergic skin reaction.

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

- 4-Chloroaniline (CAS 106-47-8) 2B Possibly carcinogenic to humans.
- Aniline (CAS 62-53-3) 3 Not classifiable as to carcinogenicity to humans.
- Carbazole (CAS 86-74-8) 2B Possibly carcinogenic to humans.
- Methylene chloride (CAS 75-09-2) 2B Possibly carcinogenic to humans.
- Pyridine (CAS 110-86-1) 3 Not classifiable as to carcinogenicity to humans.

US. National Toxicology Program (NTP) Report on Carcinogens

- Methylene chloride (CAS 75-09-2) Reasonably Anticipated to be a Human Carcinogen.

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

- Methylene chloride (CAS 75-09-2) Cancer

Reproductive toxicity This product is not expected to cause reproductive or developmental effects.

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
2-Methylnaphthalene (CAS 91-57-6)			
Aquatic			
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	1.07 - 1.841 mg/l, 96 hours
4-Chloroaniline (CAS 106-47-8)			
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	0.12 - 0.78 mg/l, 48 hours
Fish	LC50	Zebra danio (Danio rerio)	0.0003 - 0.0003 mg/l, 96 hours
Aniline (CAS 62-53-3)			
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	0.08 - 1 mg/l, 48 hours
Fish	LC50	Medaka, high-eyes (Oryzias latipes)	12.6 - 108 mg/l, 96 hours
Benzyl alcohol (CAS 100-51-6)			
Aquatic			
Fish	LC50	Bluegill (Lepomis macrochirus)	10 mg/l, 96 hours
Carbazole (CAS 86-74-8)			
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	2.3 - 4.88 mg/l, 48 hours
Fish	LC50	Fathead minnow (Pimephales promelas)	0.93 mg/l, 96 hours
Dibenzofuran (CAS 132-64-9)			
Aquatic			
Fish	LC50	Fathead minnow (Pimephales promelas)	0.84 - 1.31 mg/l, 96 hours
Methylene chloride (CAS 75-09-2)			
Aquatic			
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
m-Nitroaniline (CAS 99-09-2)			
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	0.195 - 2.02 mg/l, 48 hours
Fish	LC50	Guppy (Poecilia reticulata)	72.6 - 91.8 mg/l, 96 hours
o-Nitroaniline (CAS 88-74-4)			
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	4.08 - 6 mg/l, 48 hours
p-Nitroaniline (CAS 100-01-6)			
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	17 mg/l, 48 hours
Fish	LC50	Fathead minnow (Pimephales promelas)	85.7 - 117 mg/l, 96 hours
Pyridine (CAS 110-86-1)			
Aquatic			
Fish	LC50	Chum salmon (Oncorhynchus keta)	3.7 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)

2-Methylnaphthalene	3.86
4-Chloroaniline	1.83
Aniline	0.9
Benzyl alcohol	1.1
Dibenzofuran	4.12

Partition coefficient n-octanol / water (log Kow)	
Methylene chloride	1.25
m-Nitroaniline	1.37
p-Nitroaniline	1.39
Pyridine	0.65

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 P List: Reference

4-Chloroaniline (CAS 106-47-8)	P024
p-Nitroaniline (CAS 100-01-6)	P077

US RCRA Hazardous Waste U List: Reference

Aniline (CAS 62-53-3)	U012
Methylene chloride (CAS 75-09-2)	U080
Pyridine (CAS 110-86-1)	U196

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

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

IATA

UN number	UN1593
UN proper shipping name	Dichloromethane solution
Transport hazard class(es)	
Class	6.1(PGIII)
Subsidiary risk	-
Packing group	III
Environmental hazards	No.
ERG Code	6L
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Other information	
Passenger and cargo aircraft	Allowed.
Cargo aircraft only	Allowed.

IMDG

UN number	UN1593
UN proper shipping name	DICHLOROMETHANE SOLUTION, MARINE POLLUTANT

Transport hazard class(es)

Class 6.1(PGIII)

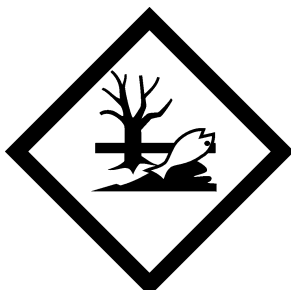
Subsidiary risk -

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** Not available.**Annex II of MARPOL 73/78 and****the IBC Code****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)

p-Nitroaniline (CAS 100-01-6) 1.0 % One-Time Export Notification only.

CERCLA Hazardous Substance List (40 CFR 302.4)

4-Chloroaniline (CAS 106-47-8) Listed.

Aniline (CAS 62-53-3) Listed.

Dibenzofuran (CAS 132-64-9) Listed.

Methylene chloride (CAS 75-09-2) Listed.

p-Nitroaniline (CAS 100-01-6) Listed.

Pyridine (CAS 110-86-1) Listed.

SARA 304 Emergency release notification

Aniline (CAS 62-53-3) 5000 LBS

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)Methylene chloride (CAS 75-09-2) Cancer
Heart
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
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Aniline	62-53-3	5000	1000 lbs		
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SARA 311/312 Hazardous chemical No

SARA 313 (TRI reporting)

Chemical name	CAS number	% by wt.
Methylene chloride	75-09-2	99
4-Chloroaniline	106-47-8	0.1

Other federal regulations

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

2-Methylnaphthalene (CAS 91-57-6)
Aniline (CAS 62-53-3)
Dibenzofuran (CAS 132-64-9)
Methylene chloride (CAS 75-09-2)

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

4-Chloroaniline (CAS 106-47-8)
Aniline (CAS 62-53-3)
Benzyl alcohol (CAS 100-51-6)
Dibenzofuran (CAS 132-64-9)
Methylene chloride (CAS 75-09-2)
p-Nitroaniline (CAS 100-01-6)
Pyridine (CAS 110-86-1)

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

4-Chloroaniline (CAS 106-47-8)	500 LBS
Aniline (CAS 62-53-3)	500 LBS
Dibenzofuran (CAS 132-64-9)	500 LBS
Methylene chloride (CAS 75-09-2)	500 LBS
p-Nitroaniline (CAS 100-01-6)	500 LBS
Pyridine (CAS 110-86-1)	500 LBS

US. Pennsylvania RTK - Hazardous Substances

2-Methylnaphthalene (CAS 91-57-6)
4-Chloroaniline (CAS 106-47-8)
Aniline (CAS 62-53-3)
Benzyl alcohol (CAS 100-51-6)
Dibenzofuran (CAS 132-64-9)
Methylene chloride (CAS 75-09-2)
p-Nitroaniline (CAS 100-01-6)
Pyridine (CAS 110-86-1)

US. Rhode Island RTK

4-Chloroaniline (CAS 106-47-8)
Aniline (CAS 62-53-3)
Dibenzofuran (CAS 132-64-9)
Methylene chloride (CAS 75-09-2)
p-Nitroaniline (CAS 100-01-6)
Pyridine (CAS 110-86-1)

US. California Proposition 65

WARNING: This product contains a chemical known to the State of California to cause cancer.

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

4-Chloroaniline (CAS 106-47-8)	Listed: October 1, 1994
Aniline (CAS 62-53-3)	Listed: January 1, 1990
Carbazole (CAS 86-74-8)	Listed: May 1, 1996
Methylene chloride (CAS 75-09-2)	Listed: April 1, 1988
Pyridine (CAS 110-86-1)	Listed: May 17, 2002

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
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)	Yes
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
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	08-15-2014
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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