

SAFETY DATA SHEET

1. Identification

Product identifier	Perylene-d12 Solution	
Other means of identification		
Item	S-12851X5	
Recommended use	For Laboratory Use Only	
Recommended restrictions	None known.	
Manufacturer/Importer/Supplier/I	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		

2. Hazard(s) identification

Physical hazards	Not classified.	
Health hazards	Acute toxicity, oral	Category 4
	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 2A
	Carcinogenicity	Category 2
	Specific target organ toxicity, repeated exposure	Category 2
Environmental hazards	Not classified.	
OSHA defined hazards	Not classified.	

Label elements



Signal word	Warning
Hazard statement	Harmful if swallowed. Causes skin irritation. Causes serious eye irritation. Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure.
Precautionary statement	
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. 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.
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	0.2% of the mixture consists of component(s) of unknown acute oral toxicity.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
Methylene chloride	DICHLOROMETHANE; METHYLENE DICHLORIDE	75-09-2	>99
Perylene-d12		1520-96-3	0.2

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

4. First-aid measures	
Inhalation	Move to fresh air. Call a physician if symptoms develop or persist.
Skin contact	Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. 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 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.
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 meas	sures
Personal precautions, protective equipment and emergency procedures	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

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 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 containment and cleaning up and place into containers. Prevent entry into waterways, sewer, basements or confined areas. 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. Avoid discharge into drains, water courses or onto the ground. **Environmental precautions** 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. 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.

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)

US. OSHA Specifically Re Components	Тур	e	Va	lue	
Methylene chloride (CAS 75-09-2)	STE	STEL		125 ppm	
	TWA	4	25	ppm	
US. ACGIH Threshold Lin	nit Values				
Components	Тур	e	Va	lue	
Methylene chloride (CAS 75-09-2)	TW	TWA		50 ppm	
iological limit values					
ACGIH Biological Exposu	ire Indices				
Components	Value	Determinant	Specimen	Sampling Time	
Methylene chloride (CAS 75-09-2)	0.3 mg/l	Dichlorometha ne	Urine	*	
* - For sampling details, ple	ease see the source doo	cument.			
ppropriate engineering ontrols	should be matched or other engineerin exposure limits hav	d to conditions. If app ng controls to mainta ve not been establis	olicable, use pro in airborne level hed, maintain air	nour) should be used. Ventilation rates cess enclosures, local exhaust ventilatior s below recommended exposure limits. If rborne levels to an acceptable level. Eye le when handling this product.	
dividual protection measure	es, such as personal p	protective equipme	nt		
Eye/face protection	Wear safety glasse	es with side shields (or goggles).		
Skin protection					
Hand protection	Wear appropriate of	chemical resistant gl	oves.		
Other	Wear appropriate of	chemical resistant cl	othing.		
Respiratory protection	In case of insufficie	ent ventilation, wear	suitable respirat	ory equipment.	
Thermal hazards	Wear appropriate t	hermal protective cl	othing, when nee	cessary.	
eneral hygiene onsiderations	0,	Wear appropriate thermal protective clothing, when necessary. 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.
рН	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 exp	losive 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	1.3254 g/cm3 estimated
Percent volatile	99.8 % estimated
Specific gravity	1.33 estimated
VOC (Weight %)	99.8 % 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	No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

Ingestion	Harmful if swallowed.
Inhalation	Prolonged inhalation may be harmful. May cause damage to organs by inhalation.
Skin contact	Causes skin irritation.
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. Skin irritation. May cause redness and pain.

Information on toxicological effects

Acute toxicity	Harmful if swallowed.	
Components	Species	Test Results
Methylene chloride (CAS 75	5-09-2)	
Acute		
Dermal		
LD50	Rat	> 2000 mg/kg
Inhalation		
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
Oral		
LD50	Rat	1600 mg/kg

Other	Species	1	Test Results
LD50	Mouse	2	l37 mg/kg
* Estimates for product may t	be based on ad	lditional component data not shown.	
Skin corrosion/irritation	Causes skin	irritation.	
erious eye damage/eye	Causes serie	ous eye irritation.	
rritation			
Respiratory or skin sensitizatio	n		
Respiratory sensitization	Not available	е.	
Skin sensitization	This product	t is not expected to cause skin sensitization	
Germ cell mutagenicity	No data ava mutagenic o	ilable to indicate product or any component r genotoxic.	s present at greater than 0.1% are
arcinogenicity	Suspected c	of causing cancer.	
IARC Monographs. Overall	Evaluation of	Carcinogenicity	
Methylene chloride (CAS US. National Toxicology Pro	,	2B Possibly carcinogen Report on Carcinogens	ic to humans.
Methylene chloride (CAS	,		to be a Human Carcinogen.
		nces (29 CFR 1910.1001-1050)	
Methylene chloride (CAS		Cancer	
eproductive toxicity	This product	t is not expected to cause reproductive or de	evelopmental effects.
pecific target organ toxicity - ingle exposure	Not classifie	d.	
pecific target organ toxicity - epeated exposure	May cause o	damage to organs through prolonged or rep	eated exposure.
spiration hazard	Not available	e.	
hronic effects		nhalation may be harmful. Prolonged exposion organs through prolonged or repeated expos	
COTOXICITY	The product	is not classified as environmentally hazard	
-	possibility th	•	ul or damaging effect on the environmen
Components		at large or frequent spills can have a harmf Species	ul or damaging effect on the environmer Test Results
Components Methylene chloride (CAS 75-		•	ul or damaging effect on the environmer
Components Methylene chloride (CAS 75- Aquatic	09-2)	Species	ul or damaging effect on the environmer Test Results
Components Methylene chloride (CAS 75- Aquatic Crustacea	09-2) EC50	Species Water flea (Daphnia magna)	ul or damaging effect on the environmer Test Results 1250 mg/l, 48 hours
Components Methylene chloride (CAS 75- Aquatic	09-2)	Species	ul or damaging effect on the environmer Test Results 1250 mg/l, 48 hours
Components Methylene chloride (CAS 75- Aquatic Crustacea Fish	09-2) EC50 LC50	Species Water flea (Daphnia magna)	ul or damaging effect on the environmer Test Results 1250 mg/l, 48 hours
Components Methylene chloride (CAS 75- Aquatic Crustacea Fish * Estimates for product may b	09-2) EC50 LC50 be based on ad	Species Water flea (Daphnia magna) Fathead minnow (Pimephales promelas	ul or damaging effect on the environmer Test Results 1250 mg/l, 48 hours) 140.8 - 277.8 mg/l, 96 hours
Components Methylene chloride (CAS 75-4 Aquatic Crustacea Fish * Estimates for product may b Persistence and degradability	09-2) EC50 LC50 be based on ad	Species Water flea (Daphnia magna) Fathead minnow (Pimephales promelas Iditional component data not shown. vailable on the degradability of this product.	ul or damaging effect on the environmer Test Results 1250 mg/l, 48 hours) 140.8 - 277.8 mg/l, 96 hours
Components Methylene chloride (CAS 75-4 Aquatic Crustacea Fish * Estimates for product may b Persistence and degradability	09-2) EC50 LC50 De based on ad No data is a No data ava	Species Water flea (Daphnia magna) Fathead minnow (Pimephales promelas Iditional component data not shown. vailable on the degradability of this product. ilable.	ul or damaging effect on the environmer Test Results 1250 mg/l, 48 hours) 140.8 - 277.8 mg/l, 96 hours
Components Methylene chloride (CAS 75-1 Aquatic Crustacea Fish * Estimates for product may b Persistence and degradability Bioaccumulative potential Partition coefficient n-octar Methylene chloride	09-2) EC50 LC50 De based on ad No data is a No data ava	Species Water flea (Daphnia magna) Fathead minnow (Pimephales promelas Iditional component data not shown. vailable on the degradability of this product. ilable. g Kow) 1.25	ul or damaging effect on the environmer Test Results 1250 mg/l, 48 hours) 140.8 - 277.8 mg/l, 96 hours
Components Methylene chloride (CAS 75-4 Aquatic Crustacea Fish * Estimates for product may b Persistence and degradability Bioaccumulative potential Partition coefficient n-octar Methylene chloride	09-2) EC50 LC50 De based on ad No data is a No data ava nol / water (log No data ava No data ava	Species Water flea (Daphnia magna) Fathead minnow (Pimephales promelas Iditional component data not shown. vailable on the degradability of this product. ilable. g Kow) 1.25 ilable. verse environmental effects (e.g. ozone deg	ul or damaging effect on the environmer Test Results 1250 mg/l, 48 hours) 140.8 - 277.8 mg/l, 96 hours Diletion, photochemical ozone creation
Components Methylene chloride (CAS 75-4 Aquatic Crustacea Fish * Estimates for product may b rersistence and degradability Bioaccumulative potential Partition coefficient n-octar Methylene chloride Mobility in soil Other adverse effects	09-2) EC50 LC50 De based on ad No data is a No data ava nol / water (log No data ava No data ava No data ava	Species Water flea (Daphnia magna) Fathead minnow (Pimephales promelas Iditional component data not shown. vailable on the degradability of this product. ilable. g Kow) 1.25 ilable.	ul or damaging effect on the environmer Test Results 1250 mg/l, 48 hours) 140.8 - 277.8 mg/l, 96 hours Diletion, photochemical ozone creation
Components Methylene chloride (CAS 75-4 Aquatic Crustacea Fish * Estimates for product may b Persistence and degradability Bioaccumulative potential Partition coefficient n-octar Methylene chloride Mobility in soil Other adverse effects	09-2) EC50 LC50 De based on ad No data is a No data ava nol / water (log No data ava No data ava No data ava	Species Water flea (Daphnia magna) Fathead minnow (Pimephales promelas Iditional component data not shown. vailable on the degradability of this product. ilable. g Kow) 1.25 ilable. verse environmental effects (e.g. ozone deg	ul or damaging effect on the environmer Test Results 1250 mg/l, 48 hours) 140.8 - 277.8 mg/l, 96 hours Diletion, photochemical ozone creation
Components Methylene chloride (CAS 75-4 Aquatic Crustacea Fish * Estimates for product may b Persistence and degradability Bioaccumulative potential Partition coefficient n-octar Methylene chloride Mobility in soil Other adverse effects	09-2) EC50 LC50 De based on ad No data is a No data ava nol / water (log No data ava No other adv potential, en ons Collect and i and its conta sewers/wate	Species Water flea (Daphnia magna) Fathead minnow (Pimephales promelas Iditional component data not shown. vailable on the degradability of this product. ilable. g Kow) 1.25 ilable. verse environmental effects (e.g. ozone deg	ul or damaging effect on the environmer Test Results 1250 mg/l, 48 hours) 140.8 - 277.8 mg/l, 96 hours) letion, photochemical ozone creation I) are expected from this component. censed waste disposal site. This materia ste. Do not allow this material to drain in prways or ditches with chemical or used
Components Methylene chloride (CAS 75-4 Aquatic Crustacea Fish * Estimates for product may b Persistence and degradability Bioaccumulative potential Partition coefficient n-octar Methylene chloride Mobility in soil Other adverse effects	09-2) EC50 LC50 De based on ad No data is a No data ava No data ava No data ava No other adv potential, en INS Collect and i and its conta sewers/wate container. D regulations.	Species Water flea (Daphnia magna) Fathead minnow (Pimephales promelas Iditional component data not shown. vailable on the degradability of this product. ilable. g Kow) 1.25 ilable. verse environmental effects (e.g. ozone degradorine disruption, global warming potentia reclaim or dispose in sealed containers at liable ainer must be disposed of as hazardous water supplies. Do not contaminate ponds, water	ul or damaging effect on the environmen Test Results 1250 mg/l, 48 hours) 140.8 - 277.8 mg/l, 96 hours) letion, photochemical ozone creation I) are expected from this component. censed waste disposal site. This materia ste. Do not allow this material to drain in erways or ditches with chemical or used
Methylene chloride (CAS 75- Aquatic Crustacea Fish * Estimates for product may b Persistence and degradability Bioaccumulative potential Partition coefficient n-octar	09-2) EC50 LC50 De based on ad No data is a No data ava nol / water (log No data ava No other adv potential, en ons Collect and its sewers/wate container. D regulations. Dispose in a	Species Water flea (Daphnia magna) Fathead minnow (Pimephales promelas Iditional component data not shown. vailable on the degradability of this product. ilable. g Kow) 1.25 ilable. verse environmental effects (e.g. ozone degradocrine disruption, global warming potentia reclaim or dispose in sealed containers at liationer must be disposed of as hazardous water supplies. Do not contaminate ponds, wate ispose of contents/container in accordance accordance with all applicable regulations. ode should be assigned in discussion betwo	ul or damaging effect on the environmen Test Results 1250 mg/l, 48 hours) 140.8 - 277.8 mg/l, 96 hours) 140.8 - 277.8 mg/l, 96 hours) are expected from this component.) are expected from this component. censed waste disposal site. This material ste. Do not allow this material to drain in erways or ditches with chemical or used with local/regional/national/international

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





15. Regulatory information **US** federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. One or more components are not listed on TSCA. TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) Not regulated. CERCLA Hazardous Substance List (40 CFR 302.4) Methylene chloride (CAS 75-09-2) Listed. SARA 304 Emergency release notification Not regulated. 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) Immediate Hazard - Yes **Hazard categories** Delayed Hazard - Yes Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No SARA 302 Extremely hazardous substance Not listed. SARA 311/312 Hazardous No chemical SARA 313 (TRI reporting) **Chemical name CAS** number % by wt. Methylene chloride 75-09-2 >99 Other federal regulations Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List 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 Not regulated. (SDWA) **US state regulations US. Massachusetts RTK - Substance List** Methylene chloride (CAS 75-09-2) US. New Jersey Worker and Community Right-to-Know Act Methylene chloride (CAS 75-09-2) 500 LBS US. Pennsylvania RTK - Hazardous Substances Methylene chloride (CAS 75-09-2) **US. Rhode Island RTK** Methylene chloride (CAS 75-09-2) **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 Methylene chloride (CAS 75-09-2) Listed: April 1, 1988

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)	No
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	No

*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	08-12-2014
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.
	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.
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