

SAFETY DATA SHEET

1. Identification

Product identifier	Ethanedial dioxime Solution	
Other means of identification		
Item	S-11867M1	
Recommended use	For Laboratory Use Only	
Recommended restrictions	None known.	
Manufacturer/Importer/Supplier/	Distributor information	
Manufacturer		
Company name Address	Chem Service, Inc. 660 Tower Lane West Chester, PA 19380 United States	
Telephone	Toll Free Direct	800-452-9994 610-692-3026
Website E-mail Emergency phone number	www.chemservice.com info@chemservice.com Chemtrec US Chemtrec outside US	800-424-9300 +1 703-527-3887
2. Hazard(s) identification		
Physical hazards	Flammable liquids	Categ
Health hazards	Acute toxicity, oral	Categ

Physical hazards	Flammable liquids	Category 2
Health hazards	Acute toxicity, oral	Category 3
	Acute toxicity, dermal	Category 3
	Acute toxicity, inhalation	Category 3
	Serious eye damage/eye irritation	Category 2A
	Reproductive toxicity	Category 2
	Specific target organ toxicity, single exposure	Category 1
	Specific target organ toxicity, repeated exposure	Category 1
Environmental hazards	Not classified.	
OSHA defined hazards	Not classified.	



Danger

Signal word Hazard statement

Label elements

to organs. Causes damage to Precautionary statement

Prevention

Highly flammable liquid and vapor. Toxic if swallowed. Toxic in contact with skin. Causes serious eye irritation. Toxic if inhaled. Suspected of damaging fertility or the unborn child. Causes damage to organs. Causes damage to organs through prolonged or repeated exposure.

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 mist or vapor. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear eye protection/face protection. Wear protective gloves/protective clothing/eye protection/face protection.

Response	If swallowed: Immediately call a poison center/doctor. 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. Call a poison center/doctor. Rinse mouth. 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.
Storage	Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.
Hazard(s) not otherwise classified (HNOC)	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.
Supplemental information	None.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
Methanol		67-56-1	99 - 100
Ethanedial dioxime		557-30-2	0.01

*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	Take off immediately all contaminated clothing. Rinse skin with water/shower. Get medical advice/attention if you feel unwell. Get medical attention if irritation develops and persists. Wash contaminated clothing 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	Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting without advice from poison control center. 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.
Most important symptoms/effects, acute and delayed	Dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Prolonged exposure may cause chronic effects.
Indication of immediate medical attention and special treatment needed	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.
General information	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	Alcohol resistant foam. Water fog. Carbon dioxide (CO2). Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	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	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	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 mist or vapor. 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). Take precautionary measures against static discharge. Use only non-sparking tools. Keep combustibles (wood, paper, oil, etc.) away from spilled material.
	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. 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. For waste disposal, see section 13 of the SDS.
Environmental precautions	Avoid discharge into drains, water courses or onto the ground. Use appropriate containment to avoid environmental contamination.
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 mist or vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Do not taste or swallow. 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. 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

	-	0e			
Methanol (CAS 67-56-1)	PEI	-		0 mg/m3 0 ppm	
US. ACGIH Threshold Lir	nit Values				
Components	Тур	be	Va	llue	
Methanol (CAS 67-56-1)	STE	EL	25	0 ppm	
	TW	A	20	0 ppm	
US. NIOSH: Pocket Guide			N.		
Components	Тур		-	llue	
Methanol (CAS 67-56-1)	STE	EL		5 mg/m3	
	TW	Δ		0 ppm 0 mg/m3	
	1 V V	~		0 ppm	
Biological limit values					
ACGIH Biological Exposi	ure Indices				
Components	Value	Determinant	Specimen	Sampling Time	
Methanol (CAS 67-56-1)	15 mg/l	Methanol	Urine	*	
* - For sampling details, ple	ease see the source do	cument.			
Exposure guidelines					
US - California OELs: Ski	-				
Methanol (CAS 67-56- US - Minnesota Haz Subs			be absorbed throu	igh the skin.	
Methanol (CAS 67-56- US - Tennessee OELs: SI		Skin	designation applie	es.	
Methanol (CAS 67-56- US ACGIH Threshold Lim			be absorbed throu	igh the skin.	
Methanol (CAS 67-56- US NIOSH Pocket Guide			be absorbed throu	ıgh the skin.	
Methanol (CAS 67-56-	,		be absorbed throu	•	
Appropriate engineering controls	changes per hour applicable, use pr maintain airborne established, main	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.			
ndividual protection measure					
Eye/face protection	Chemical respirate	or with organic vap	or cartriage and ft		
Skin protection Hand protection	Wear appropriate supplier.	chemical resistant	gloves. Suitable g	loves can be recommended by the glo	ve
Other	Wear appropriate	chemical resistant	clothing. Use of a	n impervious apron is recommended.	
Respiratory protection		or with organic vap	-		
Thermal hazards	Wear appropriate	thermal protective	clothing, when ne	cessary.	
General hygiene considerations	hygiene measures	s, such as washing	after handling the	drink. Always observe good personal material and before eating, drinking, a equipment to remove contaminants.	and/o
	SHIOKING. ROUUNE		ng and protective	equipment to remove contaminants.	

Appearance

Physical state	Liquid.
Form	Liquid.

Material name: Ethanedial dioxime Solution

Color	Not available.
Odor	Not available.
Odor threshold	Not available.
рН	Not available.
Melting point/freezing point	-144.04 °F (-97.8 °C) estimated
Initial boiling point and boiling range	148.46 °F (64.7 °C) estimated
Flash point	53.6 °F (12.0 °C) estimated
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or expl	osive limits
Flammability limit - lower (%)	7.3 % estimated
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	169.3 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	867.2 °F (464 °C) estimated
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Density	0.7865 g/cm3 estimated
Explosive properties	Not explosive.
Flammability class	Flammable IB estimated
Oxidizing properties	Not oxidizing.
Percent volatile	99.99 % estimated
Specific gravity	0.79 estimated
VOC (Weight %)	99.99 % estimated
10 Stability and reactivity	

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	Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the 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	Toxic if inhaled. May cause damage to organs by inhalation. May cause damage to organs through prolonged or repeated exposure by inhalation.
Skin contact	Toxic in contact with skin.
Eye contact	Causes serious eye irritation.

Material name: Ethanedial dioxime Solution

Ingestion Symptoms related to the physical, chemical and toxicological characteristics

Information on toxicological effects

tearing, redness, swelling, and blurred vision.

Headache. Dizziness. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging,

Acute toxicity	Toxic if inhaled. Toxic in contact with	skin. Toxic if swallowed.	
Components	Species	Test Results	
Methanol (CAS 67-56-1)			
<u>Acute</u>			
Dermal			
LD50	Rabbit	15800 mg/kg	
Inhalation			
LC50	Mouse	79.43 mg/l, 134 Minutes	
	Rat	> 115.9 mg/l, 4 Hours	
		64000 ppm, 4 Hours	
		82.1 mg/l, 6 Hours	
Oral			
LD50	Monkey	6000 mg/kg	
	Mouse	7300 mg/kg	
	Pig	> 5000 mg/kg	
	Rabbit	14.4 g/kg	
	Rat	5628 mg/kg	
Other			
LD50	Guinea pig	3556 mg/kg	
	Hamster	8555 mg/kg	
	Mouse	4100 mg/kg	
	Rabbit	1826 mg/kg	
	Rat	2131 mg/kg	
* Estimates for product may b	be based on additional component data r	not shown.	
kin corrosion/irritation	Prolonged skin contact may cause ter	mporary irritation.	
Serious eye damage/eye rritation	Causes serious eye irritation.		
Respiratory or skin sensitizatio			
Respiratory sensitization	Not a respiratory sensitizer.		
Skin sensitization	This product is not expected to cause		
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.		
Carcinogenicity	This product is not considered to be a	carcinogen by IARC, ACGIH, NTP, or OSHA.	
US. OSHA Specifically Reg Not listed.	ulated Substances (29 CFR 1910.1001	-1050)	
Reproductive toxicity	Suspected of damaging fertility or the unborn child.		
Specific target organ toxicity - single exposure	Causes damage to organs.		
Specific target organ toxicity - epeated exposure	Causes damage to organs through prolonged or repeated exposure.		
Aspiration hazard	Not an aspiration hazard.		
Chronic effects	Causes damage to organs through pr harmful.	olonged or repeated exposure. Prolonged inhalation may b	

12. Ecological information

Ecotoxicity	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.		
Components		Species	Test Results
Methanol (CAS 67-56-1)			
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	> 10000 mg/l, 48 hours
Fish	LC50	Fathead minnow (Pimephales promelas) > 100 mg/l, 96 hours
* Estimates for product may	/ be based on ad	ditional component data not shown.	
Persistence and degradability	No data is a	vailable on the degradability of this product	
Bioaccumulative potential			
Partition coefficient n-oct Methanol	anol / water (log	; Kow) -0.77	
Mobility in soil	No data ava	ilable.	

13. Disposal considerations

Other adverse effects

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. 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.
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.

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

14. Transport information

DOT	
UN number	UN1230
UN proper shipping name Transport hazard class(es)	Methanol, solution (Methanol RQ = 5001 LBS)
Class	3
Subsidiary risk	-
Label(s)	3
Packing group	11
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Special provisions	IB2, T7, TP2
Packaging exceptions	150
Packaging non bulk	202
Packaging bulk	242
ΙΑΤΑ	
UN number	UN1230
UN proper shipping name	Methanol solution (Methanol)
Transport hazard class(es)	
Class	3
Subsidiary risk	6.1(PGI, II)
Packing group	11
Environmental hazards	No.
ERG Code	3L
Special precautions for user Other information	Read safety instructions, SDS and emergency procedures before handling.
Passenger and cargo aircraft	Allowed.

Cargo aircraft only	Allowed.
IMDG UN number UN proper shipping name	UN1230 METHANOL SOLUTION (Methanol)
Transport hazard class(es)	
Class	3
Subsidiary risk Packing group	6.1(PGI, II) II
Environmental hazards	11
Marine pollutant	No.
EmS	F-E, S-D
Transport in bulk according to	 Read safety instructions, SDS and emergency procedures before handling. Not established.
Annex II of MARPOL 73/78 and	
the IBC Code	
DOT	
FLAMMABLE 3	
IATA; IMDG	
	6
15. Regulatory information	1
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 I	Notification (40 CFR 707, Subpt. D)
Not regulated.	noo Lint (40 CER 202.4)
CERCLA Hazardous Substa Methanol (CAS 67-56-1)	Listed.
SARA 304 Emergency release	
Not regulated. US. OSHA Specifically Regu Not listed.	lated Substances (29 CFR 1910.1001-1050)
	authorization Act of 1986 (SARA)
Hazard categories	Immediate Hazard - Yes Delayed Hazard - Yes Fire Hazard - Yes Pressure Hazard - No Reactivity Hazard - No
SARA 302 Extremely hazard	
Not listed.	
SARA 311/312 Hazardous chemical	No

SARA 313 (TRI reporting) Chemical name		CAS number	% by wt.
Methanol		67-56-1	99 - 100
ther federal regulations			
Clean Air Act (CAA) Section	112 Hazardous Air P	ollutants (HAPs) List	
Methanol (CAS 67-56-1)			
Clean Air Act (CAA) Section	112(r) Accidental Re	lease Prevention (40 CFR	68.130)
Not regulated.			
Safe Drinking Water Act (SDWA)	Not regulated.		
S state regulations			
US - New Jersey RTK - Sub	stances: Listed subst	ance	
Methanol (CAS 67-56-1) US. California Controlled Su	ıbstances. CA Depart	ment of Justice (California	a Health and Safety Code Section 11100)
Not listed.			
US. California. Candidate C (a))	hemicals List. Safer C	onsumer Products Regul	ations (Cal. Code Regs, tit. 22, 69502.3, subd.
Methanol (CAS 67-56-1)			
US. Massachusetts RTK - S	ubstance List		
Methanol (CAS 67-56-1)	Community Digits to	Know Act	
US. New Jersey Worker and Methanol (CAS 67-56-1)	Community Right-to		
US. Pennsylvania RTK - Haz	ardous Substances		
Methanol (CAS 67-56-1)			
US. Pennsylvania Worker a	nd Community Right-	to-Know Law	
Methanol (CAS 67-56-1) US. Rhode Island RTK			
Methanol (CAS 67-56-1)			
US. California Proposition 6 WARNING: This product harm.		own to the State of Californ	ia to cause birth defects or other reproductive
US - California Proposit	ion 65 - CRT: Listed o	date/Developmental toxin	
Methanol (CAS 67-5	6-1)	Listed: March 16	, 2012
ternational Inventories			
Country(s) or region	Inventory name		On inventory (yes/no)
Australia	Australian Inventory	of Chemical Substances (A	
Canada	Domestic Substance	s List (DSL)	No
Canada	Non-Domestic Subst	ances List (NDSL)	Yes
China	Inventory of Existing	Chemical Substances in Ch	nina (IECSC) No
Europe	European Inventory Substances (EINECS	of Existing Commercial Che S)	mical Yes
Europe	European List of Not	ified Chemical Substances	(ELINCS) No
Japan	Inventory of Existing	and New Chemical Substar	nces (ENCS) No
Korea	Existing Chemicals L	ist (ECL)	No
New Zealand	New Zealand Invento	ory	No
Philippines	Philippine Inventory ((PICCS)	of Chemicals and Chemical	Substances No
United States & Puerto Rico		ontrol Act (TSCA) Inventory	Yes
*A "Yes" indicates that all compo	nents of this product comp	bly with the inventory requirement	ents administered by the governing country(s) n listing on the inventory administered by the governing

npone ents of the pi npt fro sting ſУ g country(s).

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

Issue date	10-06-2015
Version #	01

NFPA ratings

Health: 4 Flammability: 3 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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