

# SAFETY DATA SHEET

# 1. Identification

Product identifier	Zinophos (TM) Solution	
Other means of identification		
Item	S-13760A1	
Recommended use	For Laboratory Use Only	
Recommended restrictions	None known.	
Manufacturer/Importer/Supplier/I	Distributor information	
Manufacturer		
Company name Address Telephone	Chem Service, Inc. 660 Tower Lane West Chester, PA 19380 United States Toll Free	800-452-9994
Website E-mail Emergency phone number	Direct www.chemservice.com info@chemservice.com Chemtrec US Chemtrec outside US	610-692-3026 800-424-9300 +1 703-527-3887
2. Hazard(s) identification		
Physical hazards	Flammable liquids	Catego

Physical hazards	Flammable liquids	Category 2
Health hazards	Acute toxicity, oral	Category 3
	Acute toxicity, dermal	Category 3
	Acute toxicity, inhalation	Category 4
	Serious eye damage/eye irritation	Category 2A
Environmental hazards	Not classified.	
OSHA defined hazards	Not classified.	

#### Label elements



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Signal word
                                    Danger
    Hazard statement
                                    Highly flammable liquid and vapor. Toxic if swallowed. Toxic in contact with skin. Causes serious
                                    eye irritation. Harmful if inhaled.
    Precautionary statement
         Prevention
                                    Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use only outdoors or in a
                                    well-ventilated area. 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. Avoid breathing vapors. Wash
                                    thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective
                                    gloves/protective clothing. Wear protective gloves/eye protection/face protection.
                                    If swallowed: Immediately call a poison center/doctor. If on skin (or hair): Take off immediately all
         Response
                                    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 if
                                    you feel unwell. Specific treatment (see this label). 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 cool. Store locked up.
         Disposal
                                    Dispose of contents/container in accordance with local/regional/national/international regulations.
Hazard(s) not otherwise
                                    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.
classified (HNOC)
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0.99% of the mixture consists of component(s) of unknown acute oral toxicity. 0.99% of the mixture consists of component(s) of unknown acute dermal toxicity. 1% of the mixture consists of component(s) of unknown acute inhalation toxicity.

# 3. Composition/information on ingredients

#### Mixtures

Chemical name	Common name and synonyms	CAS number	%
Acetonitrile		75-05-8	90 - 100
Zinophos (TM)		297-97-2	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 if you feel unwell.
Skin contact	Take off immediately all contaminated clothing. Rinse skin with water/shower. Call a POISON CENTER or doctor/physician if you feel unwell. Get medical attention if irritation develops and persists.
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	Symptoms may include stinging, tearing, redness, swelling, and blurred vision.
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. In case of shortness of breath, give oxygen. Keep victim warm. Keep victim under observation. Symptoms may be delayed.
General information	Take off immediately all contaminated clothing. In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). 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	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	Immediately evacuate personnel to safe areas. Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Avoid inhalation of vapors. 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. 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. 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.
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	Vapors may form explosive mixtures with air. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. 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 taste or swallow. Avoid breathing vapor. 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. Wash contaminated clothing before reuse.
	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. Avoid spark promoters. Eliminate sources of ignition. Ground/bond container and equipment. These alone may be insufficient to remove static electricity. Store in original tightly closed container. Store in a cool, dry place out of direct sunlight. Store in a well-ventilated place. Refrigeration recommended. Store away from incompatible materials (see Section 10 of the SDS). Keep in an area equipped with sprinklers.
8. Exposure controls/perso	onal protection
Occupational exposure limits	•
	or Air Contaminants (29 CFR 1910.1000)
Components	Type Value

Components	Туре	value	
Acetonitrile (CAS 75-05-8)	PEL	70 mg/m3	
		40 ppm	
US. ACGIH Threshold Limit Values	S		
Components	Туре	Value	
Acetonitrile (CAS 75-05-8)	TWA	20 ppm	
US. NIOSH: Pocket Guide to Chen	nical Hazards		
Components	Туре	Value	
Acetonitrile (CAS 75-05-8)	TWA	34 mg/m3	

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US. NIOSH: Pocket Guid	e to Chemical Hazards		
Components	Туре	Value	
		20 ppm	
Biological limit values	No biological exposure lim	its noted for the ingredient(s).	
xposure guidelines			
US - California OELs: Sk	in designation		
Acetonitrile (CAS 75-0 US - Minnesota Haz Subs	05-8) s: Skin designation applies	Can be absorbed through the skin.	
Acetonitrile (CAS 75-0 US ACGIH Threshold Lin	05-8) nit Values: Skin designation	Skin designation applies.	
Acetonitrile (CAS 75-0	)5-8)	Can be absorbed through the skin.	
Appropriate engineering ontrols	changes per hour) should applicable, use process en maintain airborne levels be	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.	
•	es, such as personal protectiv		
Eye/face protection	Wear eye/face protection.	Wear safety glasses with side shields (or goggles).	
Skin protection			
Hand protection	Wear protective gloves.		
Other	Wear appropriate chemica	Wear appropriate chemical resistant clothing.	
Respiratory protection	limits (where applicable) or	If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.	
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.
рН	Not available.
Melting point/freezing point	-49 °F (-45 °C) estimated
Initial boiling point and boiling range	178.88 °F (81.6 °C) estimated
Flash point	42.0 °F (5.6 °C) estimated
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or exp	losive limits
Flammability limit - lower (%)	3 % estimated
Flammability limit - upper (%)	16 % estimated
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	118.39 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	975.2 °F (524 °C) estimated
Material name: Zinophos (TM) Solutio	n

Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Density	0.787342 g/cm3 estimated
Flammability class	Flammable IB estimated
Percent volatile	99 % estimated
Specific gravity	0.79 estimated
VOC (Weight %)	99 % 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	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

Ingestion	Toxic if swallowed.
Inhalation	Harmful if inhaled.
Skin contact	Toxic in contact with skin.
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.

#### Information on toxicological effects

Acute toxicity

Toxic if swallowed. Toxic in contact with skin. Harmful if inhaled. Expected to be a low hazard for usual industrial or commercial handling by trained personnel.

Components	Species	Test Results
Acetonitrile (CAS 75-05-8)		
Acute		
Dermal		
LD50	Rabbit	390 mg/kg
		0.5 ml/kg
Inhalation		
LC100	Dog	16000 ppm, 4 Hours
LC50	Guinea pig	5655 ppm, 4 Hours
	Mouse	3587 ppm, 4 Hours
		2693 ppm, 1 Hours
	Rabbit	2825 ppm, 4 Hours
	Rat	17100 ppm, 4 Hours
		7500 ppm, 8 Hours
		330 ppm, 90 Days
		75 mg/l
Oral		
LD50	Guinea pig	140 mg/kg
		0.177 ml/kg
	Mouse	269 mg/kg
	Rat	158 mg/kg
		1.68 - 4.49 ml/kg

Components	Species	Test Results	
Other	Mouree	0.25 all	
LD50	Mouse	0.25 g/kg	
	Rat	1100 mg/kg	
7 k (TNA) (OAO 007.07.0)		0.85 ml/kg	
Zinophos (TM) (CAS 297-97-2)			
<b>Acute</b> Oral			
LD50	Rat	12 mg/kg	
Other	Kat		
LD50	Rat	11 mg/kg	
* Estimates for product may b	be based on additional component data no	t shown.	
Skin corrosion/irritation	Prolonged skin contact may cause temp	porary irritation.	
Serious eye damage/eye irritation	Causes serious eye irritation.		
Respiratory or skin sensitization	n		
<b>Respiratory sensitization</b>	Not available.		
Skin sensitization	This product is not expected to cause sl	kin sensitization.	
Germ cell mutagenicity	No data available to indicate product or mutagenic or genotoxic.	any components present at greater than 0.1% are	
Carcinogenicity	This product is not considered to be a c	arcinogen by IARC, ACGIH, NTP, or OSHA.	
US. OSHA Specifically Reg	ulated Substances (29 CFR 1910.1001-1	050)	
Not listed.			
Reproductive toxicity	This product is not expected to cause re	eproductive or developmental effects.	
Specific target organ toxicity - single exposure	Not classified.		
Specific target organ toxicity - repeated exposure	Not classified.		
Aspiration hazard	Not available.		
Chronic effects	Prolonged inhalation may be harmful.		
12. Ecological informatior	n		
Ecotoxicity		nentally hazardous. However, this does not exclude the an have a harmful or damaging effect on the environment.	
Components	Species	Test Results	
Acetonitrile (CAS 75-05-8)			
Aquatic			
Fish	LC50 Fathead minnow (Pimep	hales promelas) >100 mg/l, 96 hours	
* Estimates for product may b	be based on additional component data no	t shown.	
Persistence and degradability	No data is available on the degradability	of this product.	
Bioaccumulative potential	No data available.		
Partition coefficient n-octar Acetonitrile	nol / water (log Kow) -0.34		
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 consideratio	ns		
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.		
	regulations.		

US RCRA Hazardous Waste			
Zinophos (TM) (CAS 297- US RCRA Hazardous Waste			
Acetonitrile (CAS 75-05-8)	U003		
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	UN1648		
UN proper shipping name	Acetonitrile, solution		
Transport hazard class(es)			
Class	3		
Subsidiary risk	-		
Label(s)	3		
Packing group	II		
· · ·	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	UN1648		
UN proper shipping name	Acetonitrile solution		
Transport hazard class(es)			
Class	3		
Subsidiary risk	-		
Packing group Environmental hazards	ll No.		
ERG Code	3L		
	Read safety instructions, SDS and emergency procedures before handling.		
Other information			
Passenger and cargo aircraft	Allowed.		
Cargo aircraft only	Allowed.		
IMDG			
UN number			
UN proper shipping name	ACETONITRILE SOLUTION		
Transport hazard class(es)			
Class	3		
Subsidiary risk			
Packing group Environmental hazards			
	No		
Marine pollutant EmS	No. F-E, S-D		
-			
Transport in bulk according to	Read safety instructions, SDS and emergency procedures before handling. Not available.		
Annex II of MARPOL 73/78 and	Not available.		
the IBC Code			
DOT			





# 15. Regulatory information

S federal regulations	Standard, 2	29 CFR 1910.12		d by the OSHA Hazard	Communication
TSCA Section 12(b) Ex	xport Notification	40 CFR 707, Sι	ıbpt. D)		
Not regulated. CERCLA Hazardous S	Substance List (40	CFR 302.4)			
Acetonitrile (CAS 7 Zinophos (TM) (CA			Listed. Listed.		
SARA 304 Emergency	,	on	Listed.		
Zinophos (TM) (CA	S 297-97-2)		100 LBS		
US. OSHA Specifically	/ Regulated Substa	ances (29 CFR	1910.1001-1050)		
Not listed.					
uperfund Amendments a		n Act of 1986 (S Hazard - Yes	SARA)		
Hazard categories	Delayed Ha Fire Hazard Pressure H	azard - No I - Yes			
SARA 302 Extremely	hazardous substai	ıce			
Chemical name	CAS number	Reportable quantity	Threshold planning quantity	Threshold planning quantity, lower value	Threshold planning quantity, upper value
Zinophos (TM)	297-97-2	100	500 lbs		
SARA 311/312 Hazard chemical	ous No				
			CAS number	% by wt.	
chemical SARA 313 (TRI reporti			<b>CAS number</b> 75-05-8	% by wt. 90 - 100	
chemical SARA 313 (TRI reporti Chemical name				-	
chemical SARA 313 (TRI reporti Chemical name Acetonitrile	ng)	ous Air Polluta	75-05-8	-	
chemical SARA 313 (TRI reporti Chemical name Acetonitrile ther federal regulations	ng) ection 112 Hazard '5-05-8)		75-05-8 nts (HAPs) List	90 - 100	
chemical SARA 313 (TRI reporti Chemical name Acetonitrile ther federal regulations Clean Air Act (CAA) S Acetonitrile (CAS 7	ng) ection 112 Hazard '5-05-8)		75-05-8 nts (HAPs) List	90 - 100	
chemical SARA 313 (TRI reporti Chemical name Acetonitrile ther federal regulations Clean Air Act (CAA) S Acetonitrile (CAS 7 Clean Air Act (CAA) S	ection 112 Hazard 75-05-8) ection 112(r) Accid	dental Release I	75-05-8 nts (HAPs) List	90 - 100	
chemical SARA 313 (TRI reporti Chemical name Acetonitrile ther federal regulations Clean Air Act (CAA) S Acetonitrile (CAS 7 Clean Air Act (CAA) S Not regulated. Safe Drinking Water A	ection 112 Hazard 75-05-8) ection 112(r) Accid	dental Release I	75-05-8 nts (HAPs) List	90 - 100	
chemical SARA 313 (TRI reporti <u>Chemical name</u> Acetonitrile ther federal regulations Clean Air Act (CAA) S Acetonitrile (CAS 7 Clean Air Act (CAA) S Not regulated. Safe Drinking Water A (SDWA)	ection 112 Hazard 5-05-8) ection 112(r) Accid Act Not regulat	dental Release   ed.	75-05-8 nts (HAPs) List	90 - 100	
chemical SARA 313 (TRI reporti <u>Chemical name</u> Acetonitrile ther federal regulations Clean Air Act (CAA) S Acetonitrile (CAS 7 Clean Air Act (CAA) S Not regulated. Safe Drinking Water A (SDWA) S state regulations US. Massachusetts RT Acetonitrile (CAS 7 Zinophos (TM) (CA	ection 112 Hazard (5-05-8) ection 112(r) Accid Act Not regulat (5-05-8) (5-05-8) (S 297-97-2)	dental Release   ed. ot	75-05-8 nts (HAPs) List Prevention (40 CFR 68	90 - 100	
chemical SARA 313 (TRI reporti <u>Chemical name</u> Acetonitrile ther federal regulations Clean Air Act (CAA) S Acetonitrile (CAS 7 Clean Air Act (CAA) S Not regulated. Safe Drinking Water A (SDWA) S state regulations US. Massachusetts RT Acetonitrile (CAS 7 Zinophos (TM) (CA US. New Jersey Worked	ection 112 Hazard '5-05-8) ection 112(r) Accid Act Not regulat TK - Substance Lis '5-05-8) (S 297-97-2) er and Community	dental Release   ed. ot	75-05-8 nts (HAPs) List Prevention (40 CFR 68	90 - 100	
chemical SARA 313 (TRI reporti <u>Chemical name</u> Acetonitrile ther federal regulations Clean Air Act (CAA) S Acetonitrile (CAS 7 Clean Air Act (CAA) S Not regulated. Safe Drinking Water A (SDWA) S state regulations US. Massachusetts RT Acetonitrile (CAS 7 Zinophos (TM) (CA VACED ACETORIAL CONTINUES (CAS 7 Zinophos (TM) (CA) Acetonitrile (CAS 7 Zinophos (TM) (CA)	ection 112 Hazard 5-05-8) ection 112(r) Accid Act Not regulat (5-05-8) (S 297-97-2) er and Community (5-05-8) (S 297-97-2) S 297-97-2)	dental Release l ed. st Right-to-Know	75-05-8 nts (HAPs) List Prevention (40 CFR 68	90 - 100	
chemical SARA 313 (TRI reporti <u>Chemical name</u> Acetonitrile ther federal regulations Clean Air Act (CAA) S Acetonitrile (CAS 7 Clean Air Act (CAA) S Not regulated. Safe Drinking Water A (SDWA) S state regulations US. Massachusetts RT Acetonitrile (CAS 7 Zinophos (TM) (CA US. New Jersey Workd Acetonitrile (CAS 7 Zinophos (TM) (CA US. Pennsylvania RTM	ection 112 Hazard (5-05-8) ection 112(r) Accid Act Not regulat (5-05-8) (S 297-97-2) er and Community (5-05-8) (S 297-97-2) (S 297-97-2) (S - Hazardous Sub-	dental Release l ed. st Right-to-Know	75-05-8 nts (HAPs) List Prevention (40 CFR 68 Act 500 LBS	90 - 100	
chemical SARA 313 (TRI reporti <u>Chemical name</u> Acetonitrile ther federal regulations Clean Air Act (CAA) S Acetonitrile (CAS 7 Clean Air Act (CAA) S Not regulated. Safe Drinking Water A (SDWA) S state regulations US. Massachusetts RT Acetonitrile (CAS 7 Zinophos (TM) (CA VACED ACETORIAL CONTINUES (CAS 7 Zinophos (TM) (CA) Acetonitrile (CAS 7 Zinophos (TM) (CA)	ection 112 Hazard (5-05-8) ection 112(r) Accid act Not regulat (5-05-8) (5 297-97-2) er and Community (5-05-8) (S 297-97-2) (C - Hazardous Sub- (5-05-8) (S 297-97-2) (S 297-97-2)	dental Release l ed. st Right-to-Know	75-05-8 nts (HAPs) List Prevention (40 CFR 68 Act 500 LBS	90 - 100	

#### **US. California Proposition 65**

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

#### 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)	Yes
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	06-16-2014
Version #	01
NFPA ratings	Health: 2 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.
	Copyright © 2000-2014 Chem Service, Inc. All rights reserved except that this SDS may be printed for the use of a customer or prospective customer of Chem Service, Inc provided the entire SDS is printed. The SDS may not be placed in any database or otherwise stored or distributed in electronic or any other form.
	This product is furnished FOR LABORATORY USE ONLY.