SAFETY DATA SHEET

1. Identification

Product identifier	Isomalathion Solution	
Other means of identification		
Item	MET-12346AJ1	
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		

2. Hazard(s) identification

Physical hazards	Flammable liquids	Category 2
Health hazards	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 2A
	Reproductive toxicity	Category 2
	Specific target organ toxicity, single exposure	Category 3 narcotic effects
	Specific target organ toxicity, repeated exposure	Category 1
	Aspiration hazard	Category 1
Environmental hazards	Hazardous to the aquatic environment, acute hazard	Category 2
	Hazardous to the aquatic environment, long-term hazard	Category 2
OSHA defined hazards	Not classified.	

Label elements



Danger

Hazard statement

Signal word

Highly flammable liquid and vapor. May be fatal if swallowed and enters airways. Causes skin irritation. Causes serious eye irritation. May cause drowsiness or dizziness. Suspected of damaging fertility or the unborn child. Causes damage to organs through prolonged or repeated exposure. Toxic to aquatic life. 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. 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/vapors. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.
Response	If swallowed: Immediately call a poison center/doctor. Do NOT induce vomiting. 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. If exposed or concerned: Get medical advice/attention. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. In case of fire: Use appropriate media to extinguish. Collect spillage.
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	%
n-Hexane		110-54-3	99 - 100
Isomalathion		3344-12-5	0.01
4. First-aid measures			
Inhalation	Remove victim to fresh air and keep at rest in center or doctor/physician if you feel unwell.	a position comfortable for bre	eathing. Call a poison
Skin contact	Take off immediately all contaminated clothing occurs: Get medical advice/attention. Wash c		
Eye contact	Immediately flush eyes with plenty of water fo present and easy to do. Continue rinsing. Get		
Ingestion	Call a physician or poison control center imme vomiting occurs, keep head low so that stoma		
Most important symptoms/effects, acute and delayed	Aspiration may cause pulmonary edema and Headache. Nausea, vomiting. Severe eye irrit redness, swelling, and blurred vision. Skin irri exposure may cause chronic effects.	ation. Symptoms may include	stinging, tearing,
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat immediately. While flushing, remove clothes v ambulance. Continue flushing during transpor Symptoms may be delayed.	vhich do not adhere to affecte	d area. Call an
General information	Take off all contaminated clothing immediatel advice/attention. If you feel unwell, seek medi that medical personnel are aware of the mate themselves. Show this safety data sheet to th before reuse.	cal advice (show the label wh rial(s) involved, and take prec	ere possible). Ensure autions to protect
5. Fire-fighting measures			
Suitable extinguishing media	Water fog. Foam. Carbon dioxide (CO2). Dry be used for small fires only.	chemical powder, carbon dio	kide, sand or earth may

Unsuitable extinguishing Do not use water jet as an extinguisher, as this will spread the fire. **media**

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/vapors. 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). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Take precautionary measures against static discharge. Use only non-sparking tools. Prevent product from entering drains.
	Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. 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 release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. 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/vapors. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. 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. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. 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".

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 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

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

Components	Туре		V	alue
n-Hexane (CAS 110-54-3)	PEL		18	300 mg/m3
			50	00 ppm
US. ACGIH Threshold Lin	nit Values			
Components	Туре		V	alue
n-Hexane (CAS 110-54-3)	TWA		50) ppm
US. NIOSH: Pocket Guide	to Chemical Hazards			
Components	Туре		V	alue
n-Hexane (CAS 110-54-3)	TWA		18	30 mg/m3
			50) ppm
ological limit values				
ACGIH Biological Exposu				
Components	Value	Determinant	Specimen	Sampling Time
n-Hexane (CAS 110-54-3)	0.5 mg/l	2,5-Hexanedio ne, without hydrolysis	Urine	*
* - For sampling details, ple	ase see the source docu			
posure guidelines				
posure guidelines US - California OELs: Ski	n designation			
	4-3)	Can be	e absorbed thro	ugh the skin.
US - California OELs: Ski n-Hexane (CAS 110-5- US ACGIH Threshold Lim n-Hexane (CAS 110-5-	4-3) it Values: Skin designa 4-3)	tion Dange	r of cutaneous a	absorption
US - California OELs: Ski n-Hexane (CAS 110-54 US ACGIH Threshold Lim	4-3) it Values: Skin designa 4-3) Explosion-proof gen Ventilation rates sho exhaust ventilation, d	tion Dange eral and local exha ould be matched to or other engineerin cposure limits have	or of cutaneous a aust ventilation. conditions. If a ng controls to m ont been estal	absorption Good general ventilation should be used pplicable, use process enclosures, local aintain airborne levels below recommend plished, maintain airborne levels to an
US - California OELs: Ski n-Hexane (CAS 110-5- US ACGIH Threshold Lim n-Hexane (CAS 110-5- propriate engineering ntrols	 4-3) it Values: Skin designa 4-3) Explosion-proof gen Ventilation rates sho exhaust ventilation, o exposure limits. If ex acceptable level. Pro es, such as personal pro 	tion Dange eral and local exha ould be matched to or other engineerin cposure limits have ovide eyewash sta otective equipme	er of cutaneous a aust ventilation. o conditions. If a ng controls to m e not been estal tion and safety ent	absorption Good general ventilation should be used pplicable, use process enclosures, local aintain airborne levels below recommend blished, maintain airborne levels to an shower.
US - California OELs: Ski n-Hexane (CAS 110-5- US ACGIH Threshold Lim n-Hexane (CAS 110-5- opropriate engineering ntrols dividual protection measure Eye/face protection	 4-3) it Values: Skin designa 4-3) Explosion-proof gen Ventilation rates sho exhaust ventilation, exposure limits. If ex acceptable level. Pro 	tion Dange eral and local exha ould be matched to or other engineerin cposure limits have ovide eyewash sta otective equipme	er of cutaneous a aust ventilation. o conditions. If a ng controls to m e not been estal tion and safety ent	absorption Good general ventilation should be used pplicable, use process enclosures, local aintain airborne levels below recommend blished, maintain airborne levels to an shower.
US - California OELs: Ski n-Hexane (CAS 110-5- US ACGIH Threshold Lim n-Hexane (CAS 110-5- propriate engineering ntrols	 4-3) it Values: Skin designa 4-3) Explosion-proof gen Ventilation rates sho exhaust ventilation, o exposure limits. If ex acceptable level. Pro es, such as personal pro 	tion Dange eral and local exha ould be matched to or other engineerin cposure limits have ovide eyewash sta otective equipme with organic vapor	er of cutaneous a aust ventilation. o conditions. If a ng controls to m e not been estal tion and safety ent r cartridge and f	absorption Good general ventilation should be used pplicable, use process enclosures, local aintain airborne levels below recommend blished, maintain airborne levels to an shower.
US - California OELs: Ski n-Hexane (CAS 110-5- US ACGIH Threshold Lim n-Hexane (CAS 110-5- propriate engineering ntrols dividual protection measure Eye/face protection Skin protection	 4-3) it Values: Skin designa 4-3) Explosion-proof gen Ventilation rates sho exhaust ventilation, of exposure limits. If exacceptable level. Pro es, such as personal pro Chemical respirator Wear appropriate characteric 	tion Dange eral and local exha ould be matched to or other engineerin posure limits have povide eyewash sta otective equipme with organic vapor nemical resistant g	er of cutaneous a aust ventilation. o conditions. If a ng controls to m e not been estat tion and safety ent r cartridge and f loves.	absorption Good general ventilation should be used pplicable, use process enclosures, local aintain airborne levels below recommend blished, maintain airborne levels to an shower.
US - California OELs: Ski n-Hexane (CAS 110-5- US ACGIH Threshold Lim n-Hexane (CAS 110-5- opropriate engineering ntrols dividual protection measure Eye/face protection Skin protection Hand protection	 4-3) it Values: Skin designa 4-3) Explosion-proof gen Ventilation rates sho exhaust ventilation, of exposure limits. If exacceptable level. Pro es, such as personal pro Chemical respirator Wear appropriate characteric 	tion Dange eral and local exha- ould be matched to or other engineerin posure limits have ovide eyewash sta otective equipme with organic vapor memical resistant g	er of cutaneous a aust ventilation. o conditions. If a ng controls to m e not been estal tion and safety ont r cartridge and f loves. lothing. Use of a	absorption Good general ventilation should be used pplicable, use process enclosures, local aintain airborne levels below recommend olished, maintain airborne levels to an shower. ull facepiece.
US - California OELs: Ski n-Hexane (CAS 110-5- US ACGIH Threshold Lim n-Hexane (CAS 110-5- propriate engineering ntrols dividual protection measure Eye/face protection Skin protection Hand protection Other	 4-3) it Values: Skin designa 4-3) Explosion-proof genvector of the sector of t	tion Dange eral and local exha- ould be matched to or other engineerin posure limits have ovide eyewash sta otective equipme with organic vapor nemical resistant g nemical resistant cl with organic vapor	er of cutaneous a aust ventilation. o conditions. If a ng controls to m e not been estal tion and safety ent r cartridge and f loves. lothing. Use of a r cartridge and f	absorption Good general ventilation should be used pplicable, use process enclosures, local aintain airborne levels below recommend blished, maintain airborne levels to an shower. ull facepiece. an impervious apron is recommended. ull facepiece.

9. Physical and chemical properties

Appearance

Physical state	Liquid.
Form	Liquid Liquid.

Color	Colorless
Odor	Not available.
Odor threshold	Not available.
pH	Not available.
Melting point/freezing point	84.2 °F (29 °C) / -137.74 °F (-94.3 °C) estimated -137.74 °F (-94.3 °C) estimated
Initial boiling point and boiling range	692.6 °F (367 °C)
	155.66 °F (68.7 °C) estimated
Flash point	325.4 °F (163.0 °C) -7.0 °F (-21.7 °C) estimated
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or exp	
Explosive limit - lower (%)	1.1 % estimated
Explosive limit - upper (%)	7.5 % estimated
Vapor pressure	202.64 hPa estimated 0.000004 kPa at 25 °C
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	437 °F (225 °C) estimated
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Density	1.23 g/ml
Explosive properties	Not explosive.
Flammability class	Flammable IB estimated
Molecular formula	C10-H19-O6-P-S2
Molecular weight	330.38
Oxidizing properties	Not oxidizing.
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	No hazardous decomposition products are known.

products

11. Toxicological information

Information on likely routes of exposure

Inhalation	May cause drowsiness or dizziness. Headache. Nausea, vomiting. Prolonged inhalation may be harmful.
Skin contact	Causes skin irritation.
Eye contact	Causes serious eye irritation.
Ingestion	Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.

Aspiration may cause pulmonary edema and pneumonitis. May cause drowsiness or dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain.

Information on toxicological effects

Acute toxicity	May be fatal if swallowed and enters airways.		
Components	Species		Test Results
n-Hexane (CAS 110-54-3)			
<u>Acute</u>			
Dermal	D		
LD50	Rabbit		> 2000 mg/kg, 4 Hours
Inhalation			
Vapor LC50	Rat		> 31.86 mg/l, 4 Hours
Oral	T Cat		> 51.80 mg/l, 4 mours
LD50	Rat		28710 mg/kg
		in irritation.	201 to highly
Skin corrosion/irritation Serious eye damage/eye	-	rious eye irritation.	
irritation	Causes se	nous eye initation.	
Respiratory or skin sensitization	on		
Respiratory sensitization		iratory sensitizer.	
Skin sensitization	This produ	ct is not expected to cause	skin sensitization.
Germ cell mutagenicity		vailable to indicate product or genotoxic.	or any components present at greater than 0.1% are
Carcinogenicity	Not classif	iable as to carcinogenicity t	to humans.
IARC Monographs. Overall	Evaluation of	of Carcinogenicity	
Not listed.			
OSHA Specifically Regulat	ed Substanc	es (29 CFR 1910.1001-105	53)
Not listed. US. National Toxicology Pi	rogram (NTP)	Report on Carcinogens	
Not listed.	· • 9· · · · · · · /	inopont on ouromogono	
Reproductive toxicity	Suspected	of damaging fertility or the	unborn child.
Specific target organ toxicity - single exposure			
Specific target organ toxicity - repeated exposure	Causes damage to organs through prolonged or repeated exposure.		
Aspiration hazard	May be fatal if swallowed and enters airways.		
Chronic effects	Prolonged inhalation may be harmful. Causes damage to organs through prolonged or repeated exposure.		
12. Ecological informatio	n		
Ecotoxicity	Toxic to aquatic life with long lasting effects.		
Components		Species	Test Results
n-Hexane (CAS 110-54-3)			
Aquatic			
Acute			
Fish	LC50	Fathead minnow (Pim	ephales promelas) >= 2.101 - <= 2.981 mg/l, 96 hours
Persistence and degradability	No data is	available on the degradabi	ility of any ingredients in the mixture.
Bioaccumulative potential			

Bioaccumulative potential

Partition coefficient n-octan	ol / water (log Kow)	
n-Hexane	3.9	
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	Dispose of this material and its container to hazardous or special waste collection point. Incinerate the material under controlled conditions in an approved incinerator. Do not incinerate sealed containers. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. If discarded, this product is considered a RCRA ignitable waste, D001. 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	D001: Waste Flammable material with a flash point <140 F 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.

14. Transport information

DOT	
UN number	UN1208
UN proper shipping name	Hexanes
Transport hazard class(es)	
Class	3
Subsidiary risk	-
Label(s)	3
Packing group	II
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Special provisions	IB2, T4, TP1
Packaging exceptions	150
Packaging non bulk	202
Packaging bulk	242
ΙΑΤΑ	
UN number	UN1208
UN proper shipping name	Hexanes
Transport hazard class(es)	
Class	3
Subsidiary risk	-
Packing group	Ш
Environmental hazards	No.
ERG Code	3H
	Read safety instructions, SDS and emergency procedures before handling.
Other information	
Passenger and cargo	Allowed with restrictions.
aircraft	Allowed with restrictions.
Cargo aircraft only	Allowed with restrictions.
IMDG	
UN number	UN1208 HEXANES
UN proper shipping name	HEAANES
Transport hazard class(es)	
Class	3
Subsidiary risk	-
Packing group Environmental hazards	11
	NI-
Marine pollutant	No.
EmS Special procestions for your	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	เทบไ ธอเฉมแอแซน.
the IBC Code	



15. Regulatory information

for regulatory mornado	•			
US federal regulations	This product is a ' Standard, 29 CFF		fined by the OSHA Hazard Communication	
Toxic Substances Control A	Act (TSCA)	One or more compone or are designated "ina	ents of the mixture are not on the TSCA 8(b) inve ctive".	ntory
TSCA Section 12(b) Exp	oort Notification (4)	0 CFR 707, Subpt. D)		
Not regulated.	,	, , ,		
CERCLA Hazardous Substa	nce List (40 CFR 3	02.4)		
n-Hexane (CAS 110-54-3	3)	Listed.		
SARA 304 Emergency relea	se notification			
Not regulated.				
OSHA Specifically Regulate	d Substances (29	CFR 1910.1001-1053)		
Not listed.				
Superfund Amendments and Re	authorization Act	of 1986 (SARA)		
SARA 302 Extremely hazard	dous substance			
Not listed.				
SARA 311/312 Hazardous chemical	Yes			
Classified hazard categories	Skin corrosion or Serious eye dama Reproductive toxic Specific target or Aspiration hazard	age or eye irritation city gan toxicity (single or repeate		
SARA 313 (TRI reporting)				
Chemical name		CAS number	% by wt.	
n-Hexane		110-54-3	99 - 100	
Other federal regulations				
Clean Air Act (CAA) Sectior	n 112 Hazardous Ai	ir Pollutants (HAPs) List		
n-Hexane (CAS 110-54-3 Clean Air Act (CAA) Section	,	Release Prevention (40 CF	FR 68.130)	
Not regulated.				
Safe Drinking Water Act (SDWA)	Contains compon	ent(s) regulated under the S	afe Drinking Water Act.	

US state regulations

US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))

n-Hexane (CAS 110-54-3)

California Proposition 65



This product can expose you to n-Hexane, which is known to the State of California to cause birth WARNING: defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

California Proposition 65 - CRT: Listed date/Male reproductive toxin

oumorniu i roposiu		
n-Hexane (CAS	110-54-3) Listed: December 15, 2017	
International Inventories		
Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Industrial Chemicals (AICIS)	No
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Νο

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
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	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

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Issue date	07-29-2015
Revision date	05-17-2023
Version #	03
NFPA ratings	Health: 2 Flammability: Instability: 0

Disclaimer

Chem Service, Inc. cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. 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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Revision information