

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture

Product name : Mercuric Nitrate, 0.35 g/L, for Vanadium

Product code : LC16680

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : For laboratory and manufacturing use only.

1.3. Details of the supplier of the safety data sheet

LabChem Inc

Jackson's Pointe Commerce Park Building 1000, 1010 Jackson's Pointe Court

Zelienople, PA 16063 - USA T 412-826-5230 - F 724-473-0647 info@labchem.com - www.labchem.com

1.4. Emergency telephone number

Emergency number : CHEMTREC: 1-800-424-9300 or 011-703-527-3887

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (GHS-US)

STOT RE 2 H373

Full text of H-phrases: see section 16

2.2. Label elements

GHS-US labeling

Hazard pictograms (GHS-US)



GHS08

Signal word (GHS-US) : Warning

Hazard statements (GHS-US) : H373 - May cause damage to organs (nervous system, kidneys, blood, intestinal tract) through

prolonged or repeated exposure

Precautionary statements (GHS-US) : P260 - Do not breathe mist, vapors, spray

P314 - Get medical advice and attention if you feel unwell

P501 - Dispose of contents/container to comply with local, state and federal regulations

2.3. Other hazards

Other hazards not contributing to the : None under normal conditions.

classification

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

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Name	Product identifier	%	Classification (GHS-US)
Water	(CAS No) 7732-18-5	99.91	Not classified
Nitric Acid, 70% w/w	(CAS No) 7697-37-2	0.05	Ox. Liq. 3, H272 Met. Corr. 1, H290 Skin Corr. 1A, H314 Eye Dam. 1, H318
Mercuric Nitrate, Dihydrate	(CAS No) 22852-67-1	0.04	Acute Tox. 2 (Oral), H300 Acute Tox. 1 (Dermal), H310 Acute Tox. 2 (Inhalation), H330 STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Full text of H-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical

advice (show the label where possible).

First-aid measures after inhalation : Allow victim to breathe fresh air. Allow the victim to rest.

First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed

by warm water rinse.

First-aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness

persist.

First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries : Causes damage to organs.

Chronic symptoms : Impairment of the nervous system. Decreased renal function. Change in the

haemogramme/blood composition.

4.3. Indication of any immediate medical attention and special treatment needed

Obtain medical assistance.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any

chemical fire. Prevent fire-fighting water from entering environment.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment : Safety glasses. Protective clothing. Gloves.

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect

spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation

of vapor. Avoid breathing mist, vapors.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep only in the original container in a cool, well ventilated place away from : incompatible

materials. Keep container closed when not in use.

Incompatible products : Strong reducing agents. silver nitrate. Strong bases.

Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Mercuric Nitrate, 0.35 g/L, for Vanadium	
ACGIH	Not applicable
OSHA	Not applicable

Mercuric Nitrate, Dihydrate (22852-67-1)		
ACGIH	ACGIH TWA (mg/m³)	0.025 mg/m³
OSHA	OSHA PEL (TWA) (mg/m³)	0.1 mg/m³ as Hg

Nitric Acid, 70% w/w (7697-37-2)		
ACGIH	ACGIH TWA (ppm)	2 ppm
OSHA	OSHA PEL (TWA) (mg/m³)	5 mg/m³
OSHA	OSHA PEL (TWA) (ppm)	2 ppm

Water (7732-18-5)	
ACGIH	Not applicable
OSHA	Not applicable

8.2. Exposure controls

Appropriate engineering controls : Emergency eye wash fountains and safety showers should be available in the immediate

vicinity of any potential exposure. Ensure adequate ventilation.

Personal protective equipment : Avoid all unnecessary exposure.

Hand protection : Wear protective gloves.

Eye protection : Chemical goggles or safety glasses.

Respiratory protection : Wear appropriate mask.

Other information : Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid
Color : Colorless
Odor : None.

Odor threshold : No data available pH : No data available Melting point : No data available Freezing point : No data available Boiling point : No data available Flash point : No data available Relative evaporation rate (butyl acetate=1) : No data available

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Flammability (solid, gas) : No data available **Explosion limits** : No data available Explosive properties : No data available Oxidizing properties : No data available No data available Vapor pressure Relative density : No data available Relative vapor density at 20 °C : No data available Solubility Soluble in water.

Water: Solubility in water of component(s) of the mixture :

• Mercuric Nitrate, Dihydrate: • Nitric Acid, 70% w/w:

Log Pow : No data available
Log Kow : No data available
Auto-ignition temperature : No data available
Decomposition temperature : No data available
Viscosity : No data available
Viscosity, kinematic : No data available
Viscosity, dynamic : No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

silver nitrate. Strong reducing agents. Strong bases.

10.6. Hazardous decomposition products

Nitrogen oxides. mercury.

LD50 dermal rat

ATE US (dermal)

ATE US (oral)

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Likely routes of exposure : Skin and eye contact
Acute toxicity : Not classified

Mercuric Nitrate, 0.35 g/L, for Vanadium	
LD50 oral rat	139674 mg/kg
LD50 dermal rat	13587 mg/kg
LC50 inhalation rat (mg/l)	131 mg/l/4h
ATE US (oral)	139674.000 mg/kg body weight
ATE US (dermal)	13587.000 mg/kg body weight
ATE US (vapors)	131.000 mg/l/4h
ATE US (dust, mist)	131.000 mg/l/4h
Mercuric Nitrate, Dihydrate (22852-67-1)	
LD50 oral rat	26 mg/kg (Rat)

ATE US (gases) 100.000 ppmV/4h
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75 mg/kg (Rat)

26.000 mg/kg body weight

5.000 mg/kg body weight

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Mercuric Nitrate, Dihydrate (22852-67-1)	
ATE US (vapors)	0.500 mg/l/4h
ATE US (dust, mist)	0.050 mg/l/4h
Water (7732-18-5)	
LD50 oral rat	≥ 90000 mg/kg
ATE US (oral)	90000.000 mg/kg body weight
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: May cause damage to organs (nervous system, kidneys, blood, intestinal tract) through prolonged or repeated exposure.
Aspiration hazard	: Not classified
Potential Adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.
Chronic symptoms	: Impairment of the nervous system. Decreased renal function. Change in the haemogramme/blood composition.

SECTION 12: Ecological information

Toxicity

Mercuric Nitrate, 0.35 g/L, for Vanadium	
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EC50 Daphnia 1	272 mg/l
Mercuric Nitrate, Dihydrate (22852-67-1)	
LC50 fish 1	< 1 mg/l (96 h; Pisces; Mercury ion)
LC50 other aquatic organisms 1	< 1 mg/l (96 h)
EC50 Daphnia 1	0.0052 mg/l (48 h; Daphnia magna; Mercury ion)
LC50 fish 2	0.033 ppm 96 h; Salmo gairdneri (Oncorhynchus mykiss)
Threshold limit other aquatic organisms 1	< 1 mg/l (96 h)
Threshold limit algae 1	0.4 ppm (Chlorella vulgaris; Mercury ion)
Nitric Acid, 70% w/w (7697-37-2)	
LC50 fish 1	25 - 36 mg/l (96 h; Lepomis macrochirus; Pure substance)
EC50 Daphnia 1	180 mg/l (48 h; Daphnia magna; Pure substance)
LC50 fish 2	72 ppm (Gambusia affinis; Pure substance)
Threshold limit algae 1	> 19 mg/l (Algae; Pure substance)

Persistence and degradability

Mercuric Nitrate, 0.35 g/L, for Vanadium		
Persistence and degradability	Not readily biodegradable in water. Non degradable in the soil.	
Mercuric Nitrate, Dihydrate (22852-67-1)		
Persistence and degradability	Biodegradability: not applicable. Biodegradability in soil: not applicable. Adsorbs into the soil.	
Biochemical oxygen demand (BOD)	Not applicable	
Chemical oxygen demand (COD)	Not applicable	
ThOD	Not applicable	
BOD (% of ThOD)	Not applicable	
Nitric Acid, 70% w/w (7697-37-2)		
Persistence and degradability	Biodegradability: not applicable. No test data on mobility of the components available.	
Biochemical oxygen demand (BOD)	Not applicable	

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Nitric Acid, 70% w/w (7697-37-2)	
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
BOD (% of ThOD)	Not applicable
Water (7732-18-5)	
Persistence and degradability	Not established.

12.3. Bioaccumulative potential

Mercuric Nitrate, 0.35 g/L, for Vanadium		
Bioaccumulative potential	Bioaccumable.	
Mercuric Nitrate, Dihydrate (22852-67-1)		
Bioaccumulative potential	Bioaccumable.	
Nitric Acid, 70% w/w (7697-37-2)		
BCF fish 1	<= 1 (Pisces)	
Log Pow	-2.3 (OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method)	
Bioaccumulative potential	Bioaccumulation: not applicable.	
Water (7732-18-5)		
Bioaccumulative potential	Not established.	

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Effect on the global warming : No known ecological damage caused by this product.

Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Dispose of

contents/container to comply with local, state and federal regulations.

Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT Not regulated for transport

Additional information

Other information : No supplementary information available.

ADR

No additional information available

Transport by sea

No additional information available

Air transport

No additional information available

SECTION 15: Regulatory information

15.1. US Federal regulations

Mercuric Nitrate, 0.35 g/L, for Vanadium	
SARA Section 311/312 Hazard Classes	Delayed (chronic) health hazard

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

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Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CER Part 372

1300 and 40 of 111 art 372.					
Mercuric Nitrate, Dihydrate	CAS No 22852-67-1	0.04			
Nitric Acid, 70% w/w	CAS No 7697-37-2	0.05			
Mercuric Nitrate, Dihydrate (22852-67-1)					
Listed on United States SARA Section 313					
RQ (Reportable quantity, section 304 of EPA's List of Lists)	10 lb				
Nitric Acid, 70% w/w (7697-37-2)					
Listed on United States SARA Section 313					
RQ (Reportable quantity, section 304 of EPA's List of Lists)	1000 lb				
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard				

15.2. International regulations

CANADA

CANADA				
Mercuric Nitrate, 0.35 g/L, for Vanadium				
WHMIS Classification	Class D Division 2 Subdivision B - Toxic material causing other toxic effects			
Mercuric Nitrate, Dihydrate (22852-67-1)				
Listed on the Canadian DSL (Domestic	Substances List)			
WHMIS Classification	Class D Division 1 Subdivision A - Very toxic material causing immediate and serious toxic effects Class D Division 2 Subdivision A - Very toxic material causing other toxic effects			
Nitric Acid, 70% w/w (7697-37-2)				
Listed on the Canadian DSL (Domestic	Substances List)			
WHMIS Classification	Class E - Corrosive Material Class C - Oxidizing Material			
Water (7732-18-5)				
Listed on the Canadian DSL (Domestic	Substances List)			
WHMIS Classification	Uncontrolled product according to WHMIS classification criteria			

EU-Regulations

No additional information available

Classification according to Regulation (EC) No. 1272/2008 [CLP]

No additional information available

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Not classified

National regulations

Mercuric Nitrate, Dihydrate (22852-67-1)	
Listed on the Canadian IDL (Ingredient Disclosure List)	
Nitric Acid, 70% w/w (7697-37-2)	
Listed on the Canadian IDL (Ingredient Disclosure List)	
Water (7732-18-5)	
Not listed on the Canadian IDL (Ingredient Disclosure List)	

15.3. US State regulations

California Proposition 65 - This product contains, or may contain, trace quantities of a substance(s) known to the state of California to cause cancer and/or reproductive toxicity

Mercuric Nitrate, Dihydrate (22852-67-1)				
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	No significance risk level (NSRL)
No	Yes	No	No	

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SECTION 16: Other information

Other information : None.

Full text of H-phrases: see section 16:

Acute Tox. 1 (Dermal) Acute Tox. 2 (Inhalation) Acute Tox. 3 (Inhalation) Acute Tox. 3 (Inhalation) Acute Tox. 3 (Inhalation) Acute Tox. 4 (Inhalation) Acute Tox. 3 (Inhalation) Acute Tox. 4 (Inhalati	At of 11-philases, see section 10.		
Acute Tox. 2 (Oral) Aquatic Acute 1 Aquatic Acute 1 Hazardous to the aquatic environment - Acute Hazard Category 1 Aquatic Chronic 1 Hazardous to the aquatic environment - Chronic Hazard Category 1 Eye Dam. 1 Serious eye damage/eye irritation Category 1 Met. Corr. 1 Corrosive to metals Category 1 Ox. Liq. 3 Oxidizing liquids Category 3 Skin Corr. 1A Stin corrosion/irritation Category 1A STOT RE 2 Specific target organ toxicity (repeated exposure) Category 2 H272 May intensify fire; oxidizer H290 May be corrosive to metals H300 Fatal if swallowed H310 Fatal in contact with skin Causes severe skin burns and eye damage H318 Causes serious eye damage to organs through prolonged or repeated exposure H330 May cause damage to organs through prolonged or repeated exposure Very toxic to aquatic life	Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1	
Aquatic Acute 1 Aquatic Chronic 1 Eye Dam. 1 Met. Corr. 1 Ox. Liq. 3 Skin Corr. 1A STOT RE 2 Hazar May intensify fire; oxidizer Hazar Hazar May be corrosive to metals Hazar May be corrosive to metals Hazar May cause damage Hazar May cause damage Hazar May cause damage Hazar Hazard Category 1 Hazard Category 1 Serious eye damage/eye irritation Category 1 Corrosive to metals Category 1 Ox. Liq. 3 Oxidizing liquids Category 3 Skin corrosion/irritation Category 1A STOT RE 2 Specific target organ toxicity (repeated exposure) Category 2 Hazar May intensify fire; oxidizer Hazar Hazardous to the aquatic environment - Acute Hazard Category 1 Corrosive to metals Category 1 Acute States organ toxicity Hazardous to the aquatic environment - Acute Hazard Category 1 Corrosive to metals Category 1 May intensify fire; oxidizer Hazar Hazardous to the aquatic environment - Acute Hazard Category 1 Corrosive to metals Category 1 May intensify fire; oxidizer Hazar May cause severe skin burns and eye damage Hazar Hazardous to the aquatic life Hazardous to the aquatic environment - Chronic Hazard Category 1 Corrosive to entals Category 2	Acute Tox. 2 (Inhalation)	Acute toxicity (inhalation) Category 2	
Aquatic Chronic 1 Eye Dam. 1 Serious eye damage/eye irritation Category 1 Met. Corr. 1 Ox. Liq. 3 Skin Corr. 1A STOT RE 2 H272 May intensify fire; oxidizer H290 May be corrosive to metals H300 Fatal if swallowed H310 Fatal if ochact with skin Causes severe skin burns and eye damage H318 Causes serious eye damage to organs through prolonged or repeated exposure H300 H373 May cause damage to organs through prolonged or repeated exposure May cause damage to organs through prolonged or repeated exposure Very toxic to aquatic life	Acute Tox. 2 (Oral)	Acute toxicity (oral) Category 2	
Eye Dam. 1 Met. Corr. 1 Ox. Liq. 3 Skin Corr. 1A Stin corrosion/irritation Category 1 Sycific target organ toxicity (repeated exposure) Category 2 H272 H290 May intensify fire; oxidizer H290 May be corrosive to metals H300 Fatal if swallowed H310 Fatal in contact with skin H314 Causes severe skin burns and eye damage H318 Causes serious eye damage H330 Fatal if inhaled H373 May cause damage to organs through prolonged or repeated exposure Wery toxic to aquatic life	Aquatic Acute 1	Hazardous to the aquatic environment - Acute Hazard Category 1	
Met. Corr. 1 Ox. Liq. 3 Skin Corr. 1A Skin corrosion/irritation Category 1 Stin Corr. 1A Stin corrosion/irritation Category 1A STOT RE 2 Specific target organ toxicity (repeated exposure) Category 2 H272 May intensify fire; oxidizer H290 May be corrosive to metals H300 Fatal if swallowed H310 Fatal in contact with skin H314 Causes severe skin burns and eye damage H318 Causes serious eye damage H330 Fatal if inhaled H373 May cause damage to organs through prolonged or repeated exposure H400 Very toxic to aquatic life	Aquatic Chronic 1	Hazardous to the aquatic environment - Chronic Hazard Category 1	
Ox. Liq. 3 Skin Corr. 1A Skin corrosion/irritation Category 1A STOT RE 2 Specific target organ toxicity (repeated exposure) Category 2 H272 May intensify fire; oxidizer H290 May be corrosive to metals H300 Fatal if swallowed H310 Fatal in contact with skin Causes severe skin burns and eye damage H318 Causes serious eye damage H330 Fatal if inhaled H373 May cause damage to organs through prolonged or repeated exposure H400 Very toxic to aquatic life	Eye Dam. 1	Serious eye damage/eye irritation Category 1	
Skin Corr. 1A Storr RE 2 Specific target organ toxicity (repeated exposure) Category 2 H272 May intensify fire; oxidizer H290 May be corrosive to metals H300 Fatal if swallowed H310 Fatal in contact with skin Causes severe skin burns and eye damage H318 Causes serious eye damage H330 Fatal if inhaled H373 May cause damage to organs through prolonged or repeated exposure H400 Very toxic to aquatic life	Met. Corr. 1	Corrosive to metals Category 1	
STOT RE 2 H272 May intensify fire; oxidizer H290 May be corrosive to metals H300 Fatal if swallowed H310 Fatal in contact with skin Causes severe skin burns and eye damage H318 Causes serious eye damage H330 Fatal if inhaled H373 May cause damage to organs through prolonged or repeated exposure H400 Very toxic to aquatic life	Ox. Liq. 3	Oxidizing liquids Category 3	
H272 May intensify fire; oxidizer H290 May be corrosive to metals H300 Fatal if swallowed H310 Fatal in contact with skin H314 Causes severe skin burns and eye damage H318 Causes serious eye damage H330 Fatal if inhaled H373 May cause damage to organs through prolonged or repeated exposure H400 Very toxic to aquatic life	Skin Corr. 1A	Skin corrosion/irritation Category 1A	
H290 May be corrosive to metals H300 Fatal if swallowed H310 Fatal in contact with skin H314 Causes severe skin burns and eye damage H318 Causes serious eye damage H330 Fatal if inhaled H373 May cause damage to organs through prolonged or repeated exposure H400 Very toxic to aquatic life	STOT RE 2	Specific target organ toxicity (repeated exposure) Category 2	
H300 Fatal if swallowed H310 Fatal in contact with skin H314 Causes severe skin burns and eye damage H318 Causes serious eye damage H330 Fatal if inhaled H373 May cause damage to organs through prolonged or repeated exposure H400 Very toxic to aquatic life	H272	May intensify fire; oxidizer	
H310 Fatal in contact with skin H314 Causes severe skin burns and eye damage H318 Causes serious eye damage H330 Fatal if inhaled H373 May cause damage to organs through prolonged or repeated exposure H400 Very toxic to aquatic life	H290	May be corrosive to metals	
H314 Causes severe skin burns and eye damage H318 Causes serious eye damage H330 Fatal if inhaled H373 May cause damage to organs through prolonged or repeated exposure H400 Very toxic to aquatic life	H300	Fatal if swallowed	
H318 Causes serious eye damage H330 Fatal if inhaled H373 May cause damage to organs through prolonged or repeated exposure H400 Very toxic to aquatic life	H310	Fatal in contact with skin	
H330 Fatal if inhaled H373 May cause damage to organs through prolonged or repeated exposure H400 Very toxic to aquatic life	H314	Causes severe skin burns and eye damage	
H373 May cause damage to organs through prolonged or repeated exposure H400 Very toxic to aquatic life	H318	Causes serious eye damage	
exposure H400 Very toxic to aquatic life	H330	Fatal if inhaled	
H400 Very toxic to aquatic life	H373	May cause damage to organs through prolonged or repeated	
.,		·	
H410 Very toxic to aquatic life with long lasting effects	H400		
	H410	Very toxic to aquatic life with long lasting effects	

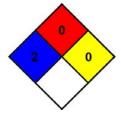
NFPA health hazard : 2 - Intense or continued exposure could cause temporary

incapacitation or possible residual injury unless prompt medical attention is given.

NFPA fire hazard : 0 - Materials that will not burn.

NFPA reactivity : 0 - Normally stable, even under fire exposure conditions,

and are not reactive with water.



HMIS III Rating

Health : 2 Moderate Hazard - Temporary or minor injury may occur

* - Chronic (long-term) health effects may result from repeated overexposure

Flammability : 0 Minimal Hazard - Materials that will not burn

Physical : 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT

react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

Personal Protection : 0

C - Safety glasses, Gloves, Synthetic apron

SDS US (GHS HazCom 2012)

Information in this SDS is from available published sources and is believed to be accurate. No warranty, express or implied, is made and LabChem Inc assumes no liability resulting from the use of this SDS. The user must determine suitability of this information for his application.

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