

Safety Data Sheet

(IP346 <3%)		
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Reproductive and Developmental Toxicity : Not expected to be a hazard.

Summary on evaluation of the CMR properties

Carcinogenicity : This product does not meet the criteria for classification in categories 1A/1B.,

Mutagenicity : This product does not meet the criteria for classification in categories 1A/1B.

Reproductive Toxicity (fertility) : This product does not meet the criteria for classification in categories 1A/1B.

Specific target organ toxicity - single exposure : Not expected to be a hazard.

Specific target organ toxicity - repeated exposure : Not expected to be a hazard.

Additional Information : Used oils may contain harmful impurities that have accumulated during use. The concentration of such impurities will depend on use and they may present risks to health and the environment on disposal. ALL used oil should be handled with caution and skin contact avoided as far as possible. Continuous contact with used engine oils has caused skin cancer in animal tests. Classifications by other authorities under varying regulatory frameworks may exist.

SECTION 12. ECOLOGICAL INFORMATION

Basis for Assessment : Ecotoxicological data have not been determined specifically for this product. Information given is based on a knowledge of the components and the ecotoxicology of similar products. Unless indicated otherwise, the data presented is representative of the product as a whole, rather than for individual component(s).

12.1 Toxicity
Acute Toxicity : Poorly soluble mixture. May cause physical fouling of aquatic organisms. Expected to be practically non toxic: LL/EL/IL50 > 100 mg/l (to aquatic organisms) LL/EL50 expressed as the nominal amount of product required to prepare aqueous test extract. Mineral oil is not expected to cause any chronic effects to aquatic organisms at concentrations less than 1 mg/l.

12.2 Persistence and : Expected to be not readily biodegradable. Major constituents

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degradability	are expected to be inherently biodegradable, but the product contains components that may persist in the environment.
12.3 Bioaccumulative Potential	: Contains components with the potential to bioaccumulate.
12.4 Mobility in Soil	: Liquid under most environmental conditions. If it enters soil, it will adsorb to soil particles and will not be mobile. Floats on water.
12.5 Result of PBT and vPvB assesment	: This mixture does not contain any REACH registered substances that are assessed to be a PBT or a vPvB.
12.6 Other Adverse Effects	: Product is a mixture of non-volatile components, which are not expected to be released to air in any significant quantities. Not expected to have ozone depletion potential, photochemical ozone creation potential or global warming potential.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods

Material Disposal	: Recover or recycle if possible. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste classification and disposal methods in compliance with applicable regulations. Do not dispose into the environment, in drains or in water courses.
Container Disposal	: Dispose in accordance with prevailing regulations, preferably to a recognised collector or contractor. The competence of the collector or contractor should be established beforehand.
Local Legislation	: Disposal should be in accordance with applicable regional, national, and local laws and regulations. EU Waste Disposal Code (EWC): 13 02 05 mineral-based non-chlorinated engine, gear and lubricating oils. Classification of waste is always the responsibility of the end user.

SECTION 14. TRANSPORT INFORMATION

Land transport (ADR/RID): ADR

This product is not classified as dangerous for this mode of transport. Therefore 14.1 UN

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Number, 14.2 UN Proper Shipping name, 14.3 Transport hazard class(es), 14.4 Packing group, 14.5 Environmental hazards, 14.6 Special precautions for user do not apply.

RID

This product is not classified as dangerous for this mode of transport. Therefore 14.1 UN Number, 14.2 UN Proper Shipping name, 14.3 Transport hazard class(es), 14.4 Packing group, 14.5 Environmental hazards, 14.6 Special precautions for user do not apply.

Inland waterways transport (ADN):

This product is not classified as dangerous for this mode of transport. Therefore 14.1 UN Number, 14.2 UN Proper Shipping name, 14.3 Transport hazard class(es), 14.4 Packing group, 14.5 Environmental hazards, 14.6 Special precautions for user do not apply.

Sea transport (IMDG Code):

This product is not classified as dangerous for this mode of transport. Therefore 14.1 UN Number, 14.2 UN Proper Shipping name, 14.3 Transport hazard class(es), 14.4 Packing group, 14.5 Environmental hazards, 14.6 Special precautions for user do not apply.

Air transport (IATA):

This product is not classified as dangerous for this mode of transport. Therefore 14.1 UN Number, 14.2 UN Proper Shipping name, 14.3 Transport hazard class(es), 14.4 Packing group, 14.5 Environmental hazards, 14.6 Special precautions for user do not apply.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Pollution Category	: Not applicable.
Ship Type	: Not applicable.
Product Name	: Not applicable.
Special Precaution	: Not applicable.

Additional Information : MARPOL Annex 1 rules apply for bulk shipments by sea.

SECTION 15. REGULATORY INFORMATION

The regulatory information is not intended to be comprehensive. Other regulations may apply to this material.

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Other regulatory Information

Authorisations and/or restrictions on use : Product is not subject to Authorisation under REACH.

Recommended Restrictions on Use : This product must not be used in applications other than those recommended in Section 1, without first seeking the advice of

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(Advice Against) the supplier.

Chemical Inventory Status

EINECS : All components
listed or polymer
exempt.
TSCA : All components
listed.

15.2 Chemical Safety Assessment : No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

SECTION 16. OTHER INFORMATION**R-phrases(s)**

Not classified.
R43 May cause sensitisation by skin contact.
R53 May cause long-term adverse effects in the aquatic environment.

CLP Hazard Statements

H304 May be fatal if swallowed and enters airways.
H317 May cause an allergic skin reaction.
H413 May cause long lasting harmful effects to aquatic life.

Additional Information : No Exposure Scenario annex is attached to this safety data sheet. It is a non-classified mixture containing hazardous substances as detailed in Section 3; relevant information from Exposure Scenarios for the hazardous substances contained have been integrated into the core sections 1-16 of this SDS.

Other Information

Abbreviations and Acronyms : Acute Tox. = Acute toxicity
Asp. Tox. = Aspiration hazard
Aquatic Acute = Acute hazards to the aquatic environment
Aquatic Chronic = Hazardous to the aquatic environment - Long-term Hazard
Eye Dam. = Serious eye damage/eye irritation

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Flam. Liq. = Flammable liquids

Skin Corr. = Skin corrosion/irritation

Skin Sens. = Skin sensitizer

STOT SE = Specific target organ toxicity - single exposure

STOT RE = Specific target organ toxicity - repeated exposure

The standard abbreviations and acronyms used in this document can be looked up in reference literature (e.g. scientific dictionaries) and/or websites.

ACGIH = American Conference of Governmental Industrial Hygienists

ADR = European Agreement concerning the International Carriage of Dangerous Goods by Road

AICS = Australian Inventory of Chemical Substances

ASTM = American Society for Testing and Materials

BEL = Biological exposure limits

BTEX = Benzene, Toluene, Ethylbenzene, Xylenes

CAS = Chemical Abstracts Service

CEFIC = European Chemical Industry Council

CLP = Classification Packaging and Labelling

COC = Cleveland Open-Cup

DIN = Deutsches Institut für Normung

DMEL = Derived Minimal Effect Level

DNEL = Derived No Effect Level

DSL = Canada Domestic Substance List

EC = European Commission

EC50 = Effective Concentration fifty

ECETOC = European Center on Ecotoxicology and Toxicology Of Chemicals

ECHA = European Chemicals Agency

EINECS = The European Inventory of Existing Commercial Chemical Substances

EL50 = Effective Loading fifty

ENCS = Japanese Existing and New Chemical Substances Inventory

EWC = European Waste Code

GHS = Globally Harmonised System of Classification and Labelling of Chemicals

IARC = International Agency for Research on Cancer

IATA = International Air Transport Association

IC50 = Inhibitory Concentration fifty

IL50 = Inhibitory Level fifty

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IMDG = International Maritime Dangerous Goods
 INV = Chinese Chemicals Inventory
 IP346 = Institute of Petroleum test method N° 346 for the determination of polycyclic aromatics DMSO-extractables
 KECI = Korea Existing Chemicals Inventory
 LC50 = Lethal Concentration fifty
 LD50 = Lethal Dose fifty per cent.
 LL/EL/IL = Lethal Loading/Effective Loading/Inhibitory loading
 LL50 = Lethal Loading fifty
 MARPOL = International Convention for the Prevention of Pollution From Ships
 NOEC/NOEL = No Observed Effect Concentration / No Observed Effect Level
 OE_HP V = Occupational Exposure - High Production Volume
 PBT = Persistent, Bioaccumulative and Toxic
 PICCS = Philippine Inventory of Chemicals and Chemical Substances
 PNEC = Predicted No Effect Concentration
 REACH = Registration Evaluation And Authorisation Of Chemicals
 RID = Regulations Relating to International Carriage of Dangerous Goods by Rail
 SKIN_DES = Skin Designation
 STEL = Short term exposure limit
 TRA = Targeted Risk Assessment
 TSCA = US Toxic Substances Control Act
 TWA = Time-Weighted Average
 vPvB = very Persistent and very Bioaccumulative

SDS Distribution : The information in this document should be made available to all who may handle the product.
SDS Version Number : 1.0
SDS Effective Date : 28.06.2013
SDS Revisions : A vertical bar (|) in the left margin indicates an amendment from the previous version.
SDS Regulation : Regulation 1907/2006/EC as amended by Regulation (EU) 453/2010
Disclaimer : This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

Material Safety Data Sheet

SULPHURIC ACID

Print Date: March 2004

SECTION 1 – Chemical Product and Company Identification

MSDS Name: SULPHURIC ACID

MSDS Preparation Date: 02-2004, Supersedes 02-2001, 02-98

Synonyms or Generic ID: Oil of vitriol, hydrogen sulphate, vitriol brown oil, matting acid, battery acid.

SEASTAR™ Product Codes: IQ-03-0500, IQ-03-2500, IQ-03-25SK, BA-03-0250, BA-03-0500, BA-03-1000, BA-03-2000

Canadian TDG Classification: 8 PKG Gr II

Formula: H₂SO₄

PIN (UN# / NA#): UN1830

Molecular Wt: 98.08

Canadian WHMIS Class: Class E; Class D Div 1 Sub A; Class C.

Supplier: Seastar Chemicals Inc, PO Box 2219, 2045 Mills Road West, Sidney, BC, Canada V8L 3S8

Tel: (250) 655-5880, **Fax:** (250) 655-5888

CANUTEC (CAN):

(613)-996-6666

SECTION 2 – Composition/Information on Ingredients

CAS #	Chemical Name	Percent	EINECS/ELINCS	TLV	Hazard
7664-93-9	Sulphuric Acid	73-98%	231-639-5	1 mg/m ³	Corrosive
7732-18-5	Water	Balance	None	None	None

Hazard Symbols: C **Risk Phrases:** 35

SECTION 3 – Hazards Identification

EMERGENCY OVERVIEW

Clear, colourless to dark brown, odourless, dense, oily liquid. Will not burn. Can decompose at high temperatures forming toxic gases, such as sulfur oxides. Contact with combustible materials may cause fire. Highly reactive. Contact with many organic and inorganic chemicals may cause fire or explosion. Contact with metals liberates flammable hydrogen gas. Reacts violently with water. VERY TOXIC. May be fatal if inhaled or swallowed. CORROSIVE to the eyes, skin and respiratory tract. May cause blindness and permanent scarring. Causes lung injury--effects may be delayed. Strong inorganic acid mists containing sulfuric acid are CARCINOGENIC. Target Organs: Lungs, teeth, eyes, skin, mucous membranes.

Potential Health Effects

Primary Route(s) of Entry: Inhalation and ingestion. Skin contact. Eye contact.

Effects of Acute Exposure: Corrosive, oxidizing and sulphonating properties on contact. May be fatal by ingestion, inhalation or skin absorption.

LD50/LC50: CAS# 7664-93-3: Inhalation, mouse: LC50 = 320 mg/m³/2H, Inhalation, rat: LC50 = 510 mg/m³/2H Oral, rat: LD50 – 2140 mg/kg.

Eyes: Causes severe eye burns. May cause irreversible eye injury.

Skin: Causes skin burns. Defatting dermatitis with prolonged use.

Ingestion: May cause severe and permanent damage to the digestive tract. Causes burns in mouth, pharynx and gastrointestinal tract. Nausea, Vomiting, Abdominal pain. Corrosive and toxic

Inhalation: Harmful if inhaled. May cause severe irritation of the respiratory tract with sore throat, coughing, shortness of breath and delayed lung edema. Causes chemical burns to the respiratory tract. May cause respiratory inflammation. Destructive to tissues of mucous membranes. Headache, May cause delayed lung injury. Vomiting. Nausea. Pulmonary edema. Corrosive and toxic.

Effects of Chronic Exposure: Prolonged or repeated inhalation may cause nosebleeds, nasal congestion, erosion of the teeth, perforation of the nasal septum, chest pain and bronchitis. Prolonged or repeated eye contact may cause conjunctivitis. May cause death. CORROSIVE to body tissues. To the best of our knowledge the chronic toxicity of this substance has not been fully investigated.

SECTION 4 – First Aid Measures

Eyes: Immediately flush eyes and skin with copious amounts of water for at least 15 minutes, holding lids apart to ensure flushing of the entire surface. Do NOT allow victim to rub eyes or keep eyes closed. Get medical aid immediately.

Skin: Get medical aid immediately. Immediately flush skin with copious quantities of soap and water for at least 15 minutes while removing contaminated clothing and shoes. SPEEDY ACTION IS CRITICAL! Call a physician.

Ingestion: Do NOT induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Consult a physician immediately. Never give anything by mouth to an unconscious person.

Inhalation: Get medical aid immediately Remove patient from exposure to fresh air immediately. Administer approved oxygen supply if breathing is difficult. Administer artificial respiration or CPR if breathing has ceased. Call a physician.

Notes to Physician: Treat symptomatically and supportively.

SECTION 5 – Fire Fighting Measures

General Information: Wear appropriate protective clothing to prevent contact with skin and eyes. Wear a self-contained breathing apparatus (SCBA) to prevent contact with thermal decomposition products. Contact with water can cause violent liberation of heat and splattering of the material.

Extinguishing Media: Use extinguishing media most appropriate for the surrounding fire. Carbon dioxide. Dry chemical power. Do not use water.

Auto-ignition Temperature: Not available.

Flash Point: Not available.

NFPA Rating: Health – 3, Flammability – 0, Instability – 2, Water Reactive.

Explosion Limits: Lower: Not available. Upper: Not available.

Special Fire and Explosion Hazards: Oxidizing material – contributes to combustion of other materials. Reacts violently with water and organic materials with evolution of heat. Emits toxic and corrosive fumes under fire conditions.

SECTION 6 – Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Clean up spills immediately, observing precautions in the Protective Equipment section. Cover with sand, dry lime or soda ash, and place in a closed container for disposal.

Steps to be taken in case material is released or spilled: Evacuate. Wear self-contained breathing apparatus, rubber boots and heavy rubber gloves. Cover with soda ash or lime. Place in a suitable container and mark for disposal. Use non-sparking tools. Ventilate area and wash spill site after material pick-up is complete.

Waste disposal method: According to all applicable regulations.

SECTION 7 – Handling and Storage

Handling: Wash thoroughly after handling. Remove contaminated clothing and wash before re-use. Use with adequate ventilation. Do not get in eyes, on skin or on clothing.

Storage: Do not store near combustible materials. Keep container closed when not in use. Store in a cool, dry, well-ventilated area away from combustible substances. Do not store near alkaline substances.

Store in a cool place away from heated areas, sparks and flame. Keep tightly closed. Do not add any other material to the container. Do not store in a damp atmosphere. Do not get in eyes, on skin or on clothing. Do not store near organic substances. Do not allow smoking and food consumption while handling. In accordance with good storage and handling practices. Do not store near flammable substances. Wash well after use.

Storage Code: White.

SECTION 8 – Exposure Control/Personal Protection

Engineering Controls: Use process enclosure, local exhaust ventilation, or other engineering controls to control airborne levels.

Exposure Limits:

Chemical Name	ACGIH	NIOSH	OSHA
Sulphuric acid	1 mg/m ³ TWA; 3 mg/m ³ STEL	1 mg/m ³ TWA	1 mg/m ³ TWA

OSHA Vacated PELs Sulphuric acid: 1 mg/m³ TWA.

Personal Protective Equipment

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133.

Skin: Wear appropriate protective neoprene or polyethylene gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure. Apron or clothing to protect skin. Rubber boots. Sufficient to protect skin.

Respiratory Protection: Follow the OSHA respirator regulations found in 29CFR 1910.134. Always use a NIOSH-approved respirator when necessary.

Ventilation: Use only in a chemical fume hood.

Other Protective Equipment: Make eye bath and emergency shower available.

SECTION 9 – Physical and Chemical Properties

Physical State: Liquid

Appearance: colorless

Odor: odorless

pH: 0.3 (1N Solution)

Vapor Pressure: <0.00120 mm Hg

Vapor Density: 1.2 kg/m³

Evaporation Rate: Slower than ether.

Viscosity: Negligible.

Boiling Point: 554°F

Freezing/Melting Point: 50.6°F

Decomposition Temperature: 340°C

Solubility: Soluble in water and ethanol.

Specific Gravity/Density: 1.841

Molecular Formula: H₂SO₄

Molecular Weight: 98.0716

SECTION 10 – Stability and Reactivity

Chemical Stability: Stable under normal temperatures and pressures.

Conditions to Avoid: Incompatible materials, contact with water, metals, excess heat, combustible materials, organic materials, oxidizers, amines, bases.

Incompatibilities with Other Materials: Acetic Anhydride, Acetone Cyanhydrin, Acetone + Nitric Acid, Acetone + Potassium Dichromate, Acetonitrile + Sulphur Trioxide, Acrolein, Acrylonitrile, Alcohols + Hydrogen Peroxide, Allyl Alcohol, Allyl and Aldehyde compounds, Allyl Chloride, 2-Aminoethanol, Ammonium Hydroxide Ammonium Iron (III) sulfate dodecahydrate, Ammonium Triperchromate, Aniline + Glycerol + Nitrobenzene, Benzyl Alcohol, Bromates + Metals, tert-Butyl-m-xylene + Nitric Acid, 1-Chloro-2,3-epoxypropane, Bromine Pentafluoride, n-Butyraldehyde, Cesium Acetylene Carbide, 4-Chloronitrobenzene + sulphur trioxide, Copper, Dichloromethane + Ethanol + Nitrate or Nitrite, 2-Cyano-4-nitrobenzenediazonium hydrogen sulphate, 2-Cyano-2-propanol, Chlorine Trifluoride, Chlorosulfonic Acid (Cyanides), Cyclopentadiene, Cyclopentanone oxime, 1,3-Diazidobenzene, Diethylamine, Cuprous Nitride, Diisobutylene, Ephchlorohydrin, Ethylene Cyanohydrin, Ethylene Diamine, Ethylene Glycol, Dimethoxydinitroanthraquinone, 4-Dimethylaminobenzaldehyde, 2,5-Dinitro-3-Methylbenzoic acid + Sodium Azide, 1,5-Dinitronaphthalene + Sulfur, Ethoxylated nonylphenol, Fulminates, Halides, Hexalithium disilicide, Ethylenimine, Other Acids, Iodine Heptafluoride, Metals, Isoprene, Hydrofluoric acid, Hydrogen peroxide, Metal acetylides or carbides, Metal Chlorates, Metal Perchlorates, 4-Methuylpyridine, Nitramide, Nitric Acid + Organic materials, Nitric Acid + Toluene, Nitrites, Nitroaryl bases and derivatives, Nitrobenzene, 3-Nitrobenzenesulfonic Acid, Nitromethane, N-Nitromethylamine, 4-Nitrotoluene, Permanganates, Phosphorus, Phosphorus (III) Oxide, Poly(silylene), Mercuric Nitride, Mesityl Oxide, P-Nitrotoluene, Pentasilver Trihydroxydiaminophosphate, Perchlorates, Permanganates + Benzene, Phosphorus Isocyanate, Picrates, Potassium t-Butoxide, Potassium, 3-Propynol, Potassium Chlorate, beta-Propiolactone, Propylene Oxide, Pyridine, Ruybidium Acetylene Carbide and Sodium, Silver Pemanganates, Silver Peroxochromate, Sodium, Sodium Carbonate, Sodium Tetrahydroborate, Sodium Thiocyanate, Sucrose, Tetramethylbenzenes, 1,2,4,5-Tetrazine, Thallium (I) azidodithiocarbonate, 1,3,5-Trinitrosahexahydro-1,3,5-triazine, Water, and Zinc Iodide. Carbonates, sulfides, sulphites, carbides, chlorates.

Hazardous Decomposition Products: Oxides of Sulphur.

Hazardous Polymerization: Has not been reported.

Reaction Product(s): Hydrogen is generated by the action of the acid on most metals.

SECTION 11 – Toxicological Information

RTECS: CAS# 7664-93-9: WS5600000.

LD50/LC50: CAS# 7664-93-9 Inhalation, mouse: LC50 = 320 mg/m³/2H. Inhalation, rat: LC50 = 51- mg/m³/2H. Oral, rat: LD50 = 2140 mg/kg.

Carcinogenicity: CAS# 7664-93-9: Not listed.

California: Not listed.

NIOSH: Not listed.

NTP: Not listed.

OSHA: Select carcinogen.

IARC: Group 1 carcinogen.

Epidemiology: Workers exposed to industrial sulfuric acid mist showed a statistical increase in laryngeal, nasal, sinus and lung cancer. These data suggests a possible relationship between carcinogenesis and inhalation of sulfuric acid mist.

Teratogenicity: No information available.
Reproductive: No information available.

Mutagenicity: No information available.
Neurotoxicity: No information available.

SECTION 12 – Ecological Information

Ecotoxicity: Sulphuric acid is harmful to aquatic life in very low concentrations. It may be dangerous if it enters water intakes. The aquatic toxicity for bluegill in fresh water was 24.5 ppm/24 hr, which was lethal.

Environmental: No information available.

Physical: No information available

Other: No information available.

SECTION 13 – Disposal Considerations

Dispose of in a manner consistent with federal, provincial/state/territorial, and local regulations.

RCRA D-Maximum Concentration of Contaminants: None of the components are on this list.

RCRA D Series – Chronic Toxicity Reference Levels: None of the components are on this list.

RCRA F Series Wastes: None of the components are on this list.

RCRA P Series Wastes: None of the components are on this list.

RCRA U Series Wastes: None of the components are on this list.

RCRA Substances Banned from Land Disposal: None of the components are on this list.

SECTION 14 – Transport Information

Proper Shipping Name: SULPHURIC ACID

Hazard Class: 8 **UN Number:** UN1830

Packing Group: II

SECTION 15 – Regulatory Information

US Federal

TSCA: CAS# 7664-93-9 is listed on the TSCA Inventory.

Health and Safety Reporting List: None of the components are on this list.

Chemical Test Rules: None of the components are on this list.

TSCA Section 12b: None of the components are on this list.

TSCA Significant New Use Rule (SNUR): None of the components are on this list.

CERCLA Reportable Quantities (RQ): CAS# 7664-93-9: final RQ = 1000 pounds (454 kg).

SARA Threshold Planning Quantities (TPQ): CAS# 7664-93-9: TPQ = 1000 pounds

SARA Hazard Categories: CAS# 7664-93-9: acute, chronic, reactive.

SARA Section 313: This material contains Sulphuric acid (CAS# 7664-93-9, 95-98%), which is subject to the reporting requirements of Section 313 of SARA Title III and 40 CFR Part 373.

US State

State Right to Know: Sulphuric acid can be found on the following state Right-to-Know lists: New Jersey, Florida, Pennsylvania, Minnesota, Massachusetts.

California Prop 65: No information available.

California No Significant Risk Level: No information available.

European/International Regulations

European Labelling in Accordance with EC Directives:

Hazard Symbols: Xi

Risk Phrases: R 36/38 irritating to eyes and skin.

Safety Phrases: S 2 Keep out of reach of children.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S30 Never add water to this product.

Clean Air Act – Hazardous Air Pollutants (HAPs): None of the components are on this list.

Clean Air Act – Class 1 Ozone Depleters: None of the components are on this list.

Clean Air Act – Class 2 Ozone Depleters: None of the components are on this list.

Clean Water Act – Hazardous Substances: CAS# 7664-93-9 is listed as a Hazardous Substance under the CWA.

Clean Water Act – Priority Pollutants: None of the components are on this list.

Clean Water Act – Toxic Pollutants: None of the components are on this list.

OSHA – Highly Hazardous: None of the components are on this list.

WGK (Water Danger/Protection): No information available.

Canadian DSL/NDL: CAS# 7664-93-9 is listed on Canada's DSL/NDL List.

Canadian WHMIS Classification: This product has a WHMIS classification of C, D1A, E.

Canada Ingredient Disclosure List: CAS# 7664-93-9 is listed on Canada's Ingredient Disclosure List.

Exposure Limits:

CAS# 7664-93-9: OEL-ARAB Republic of Egypt: TWA 1 mg/m³

OEL-AUSTRALIA: TWA 1 mg/m³

OEL-BELGIUM: TWA 1 mg/m³; STEL 3 mg/m³

OEL-CZECHOSLOVAKIA: TWA 1 mg/m³; STEL 2 mg/m³

OEL-DENMARK: TWA 1 mg/m³

OEL-FINLAND: TWA 1 mg/m³; STEL 3 mg/m³; Skin

OEL-FRANCE: TWA 1 mg/m³; STEL 3 mg/m³

OEL-GERMANY: TWA 1 mg/m³

OEL-HUNGARY: STEL 1 mg/m³

OEL-JAPAN: TWA 1 mg/m³

OEL-NETHERLANDS: TWA 1 mg/m³

OEL-THE PHILIPPINES: TWA 1 mg/m³

OEL-POLAND: TWA 1 mg/m³

OEL-RUSSIA: TWA 1 mg/m³; Skin

OEL-SWEDEN: TWA 1 mg/m³; STEL 3 mg/m³

OEL-SWITZERLAND: TWA 1 mg/m³; STEL 2 mg/m³

OEL-THAILAND: TWA 1 mg/m³

OEL-TURKEY: TWA 1 mg/m³

OEL-UNITED KINGDOM: TWA 1 mg/m³

OEL IN BULGARIA, COLOMBIA, JORDAN, KOREA check ACGIH TLV

OEL IN NEW ZEALAND, SINGAPORE, VIETNAM check acgi tlv

OES-United Kingdom: TWA 1 mg/m³ TWA

SECTION 16 – Other Information

The statements contained herein are offered for informational purposes only and are based upon technical data. Seastar Chemicals Inc believes them to be accurate but does not purport to be all-inclusive. The above-stated product is intended for use only by persons having the necessary technical skills and facilities for handling the product at their discretion and risk. Since conditions and manner of use are outside our control, we (Seastar Chemicals Inc) make no warranty of merchantability or any such warranty, express or implied with respect to information and we assume no liability resulting from the above product or its use. Users should make their own investigations to determine suitability of information and product for their particular purposes.