Section 1. Identification

Product identifier

Product Identity Oleum with less than 30% free sulfur trioxide (CHE-1040S)

Other means of identification Not Applicable

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

Industrial use. Used in the manufacture of organic sulfonates, fibers and explosives.

Restrictions on use:
Not available

Details of the supplier of the safety data sheet

Company Name

Chemtrade Logistics Inc. (Canada)
155 Gordon Baker Road Suite 300
Toronto, Ontario M2H 3N5
(416) 496-5856

Chemtrade Logistics Inc. (US)
90 East Halsey Road, Suite 200
Parsippany, NJ 07054
(800) 228- 8558

Emergency

24 hour Emergency Telephone No.

Chemtrade Emergency Contact: (866) 416-4404 (US and Canada)
CHEMTREC +1-800-424-9300
For Chemical Emergency, Spill, Leak, Fire, Exposure, or Accident, call CHEMTREC – Day or Night

Customer Service:

For SDS Info: (416) 496-5856
www.chemtradelogistics.com

Section 2. Hazard(s) identification

Exposure may aggravate pre-existing eye, skin, or respiratory conditions. May be corrosive to respiratory tract.

Classification of the substance or mixture

Metal corrosion;H290	May be corrosive to metals.
Acute toxicity(inhalation), category 1;H330	Fatal if inhaled.

Skin corrosion/irritation category 1A;H314	Causes severe skin burns and eye damage.
Serious eye damage / eye irritation, category 1;H318	Causes serious eye damage.
Specific target organ toxicity, Single exposure category 3;H335	May cause respiratory irritation.

Label elements

Danger

H290 May be corrosive to metals.
H314 Causes severe skin burns and eye damage.
H330 Fatal if inhaled.
H335 May cause respiratory irritation.

[Prevention]:
P233 Keep container tightly closed.
P234 Keep only in original packaging.
P260 Do not breathe dust, fume, mist, vapors or spray.
P264 Wash thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves, protective clothing, eye protection, face protection.
P284 In case of inadequate ventilation, wear respiratory protection.
[Response]:
P303+361+353 IF ON SKIN (or hair): Remove, take off immediately all contaminated clothing. Rinse skin with water or shower.
P304+340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER, doctor or physician.
P312 Call a POISON CENTER, doctor or physician if you feel unwell.

P301+330+331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P363 Wash contaminated clothing before reuse.
P390 Absorb spillage to prevent material damage.

[Storage]:

P403+233 Store in a well ventilated place. Keep container tightly closed.
P405 Store locked up.
P406 Store in a corrosive resistant, container with a resistant inner liner.

[Disposal]:

P501 Dispose of contents or container in accordance with local and national regulations.

Other hazards

This product contains no PBT/vPvB/vPvM chemicals.
This product contains no endocrine disrupting chemicals.
Does NOT contain component(s) that meet a 'definition' of per & poly fluoroalkyl substance (PFAS) per the US EPA PFASMASTER combined list of PFAS chemicals.

Section 3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the Hazardous Products Regulations.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Sulfuric acid **CAS Number: 7664-93-9** **Synonyms: Sulfuric acid (acid aerosols including mists, vapors, gas, fog, and other airborne forms of any particle size), Sulphuric acid**	**80 - 100**	**Skin corrosion/irritation category 1A;H314: C ≥ 15 %** **Skin corrosion/irritation category 2;H315: 5 % ≤ C < 15 %** **Serious eye damage / eye irritation, category 2;H319: 5 % ≤ C < 15 %** **Metal corrosion;H290 > 1%**	**No data available**
Sulfur trioxide **CAS Number: 7446-11-9** **Synonyms: No available information**	**10 - 30**	**Skin corrosion/irritation category 1A;H314** **Specific target organ toxicity, Single exposure category 3;H335** **Serious eye damage / eye irritation, category 1;H318** **Acute toxicity(inhalation), category 2:H330**	**No data available**

The actual concentration or concentration range is withheld as a trade secret.
*PBT/vPvB - PBT, vPvM or vPvB-substance.
The full texts of the phrases are shown in Section 16.

The specific chemical identity and/or exact percentage of composition are withheld as a trade secret within the meaning of the OSHA Hazard Communication Standard [29 CFR 1910.1200].

Section 4. First aid measures

Description of first aid measures

General	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
Inhalation	Remove to fresh air, keep patient warm and at rest. If unconscious, place in the recovery position and obtain immediate medical attention. Give nothing by mouth.
Eyes	Irrigate copiously with clean water for at least 30 minutes, holding the eyelids apart and seek medical attention. Remove contact lenses, if present and easy to do. Continue rinsing.
Skin	Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser. Drench affected area with water for at least 30 minutes. Obtain medical attention if irritation develops or persists.
Ingestion	Do NOT induce vomiting. Rinse mouth and slowly drink several glasses of water. Call a physician. Do NOT give anything by mouth to an unconscious or convulsing person.

Most important symptoms and effects, both acute and delayed

Overview	Fatal if inhaled. Corrosive to eyes, respiratory system and skin. **Acute Health Effects :** Fatal if inhaled. Corrosive to eyes, respiratory system and skin. May cause respiratory irritation. **INHALATION:** Inhalation of this material can cause serious health effects in small amounts, leading to unconsciousness and death. Corrosive to the respiratory tract. (IMMEDIATE) May cause damage to organs through prolonged or repeated exposure by inhalation. **SKIN CONTACT:** Causes severe irritation which will progress to chemical burns. (IMMEDIATE). **EYE CONTACT:** Causes permanent damage to the cornea, iris, or conjunctiva. (IMMEDIATE) **INGESTION:** May cause burns or irritation of the linings of the mouth, throat, and gastrointestinal tract. (IMMEDIATE) **Indication of Any Immediate Medical Attention and Special Treatment Needed:** If exposed or concerned, get medical advice and attention. See section 2 for further details.
Inhalation	Fatal if inhaled. May cause respiratory irritation.
Eyes	Causes serious eye damage.
Skin	Causes severe skin burns and eye damage.
Chronic effects	Prolonged inhalation of fumes or mists may cause erosion of the teeth. Repeated inhalation exposure may cause impairment of lung function and permanent lung damage. Indication of Any Immediate Medical Attention and Special Treatment Needed Symptoms May be Delayed. May cause cancer when contained in strong

inorganic acid mist. If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

Section 5. Fire-fighting measures

Extinguishing media

Suitable Extinguishing Media: Use an extinguishing agent suitable for the Use an extinguishing agent suitable for the surrounding fire. Dry chemical or carbon dioxide extinguishing methods are viable options. Water can be used on combustibles burning in the vicinity of sulfuric acid, but care must be exercised not to apply water directly to acid to avoid evolution of heat and violent spattering. Cool the acid storage tank with water if exposed to fire, but do not get water in the tank.

Unsuitable extinguishing media: Water, foam. Do not allow water or water-containing foam to contact sulfuric acid in a confined area or tank, because it might cause violent eruptions or pressure increases that could result in structural damage to the confined space or tank.

Special hazards arising from the substance or mixture

Hazardous decomposition: Thermal decomposition generates: Corrosive vapors. Sulfur oxides.

Keep container tightly closed.

Keep only in original packaging.

Do not breathe dust, fume, mist, vapors or spray.

Advice for fire-fighters

As with all fires, wear positive pressure, self-contained breathing apparatus, (SCBA) with a full-face piece and protective clothing. Persons without respiratory protection should leave area. Wear SCBA during clean up immediately after fire. No smoking.

Fire Hazard: Not considered flammable. **Hazardous Combustion Products:** Sulfur oxides.

Hazardous Decomposition Products: Thermal decomposition generates corrosive vapors, sulfur oxides. **Explosion Hazard:** Product is not explosive. Contact with metallic substances may release flammable hydrogen gas

Reactivity: This product may act as an oxidizer. May react exothermically with water releasing heat. Adding an acid to a base or base to an acid may cause a violent reaction. May be corrosive to metals.

Firefighting Instructions: Do not enter fire area without proper protective equipment, including respiratory protection. **Exercise caution when fighting any chemical fire.**

Other Information: Do not allow run-off from firefighting to enter drains or water courses.

ERG Guide No. 137

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

General Measures: Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid contact with eyes, skin and clothing. Provide

adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. See Section 8.

Use only outdoors or in a well-ventilated area. Do not breathe mist, spray, and vapours.
Do not get in eyes, on skin, or on clothing. Use appropriate personal protection equipment (PPE). Wear protective gloves, eye protection, face protection (refer to section 8 for more details).
Use good personal hygiene practices. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Promptly remove soiled clothing and wash thoroughly before reuse.

Environmental precautions

Prevent entry to sewers and public waters. Avoid release to environment.

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

Methods and material for containment and cleaning up

Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit.
Ventilate area.

Methods for Clean up: Clean up spills immediately and dispose of waste safely. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. As an immediate precautionary measure, isolate spill or leak area in all directions. Ventilate area.

Equip cleanup crew with proper protection.

Section 7. Handling and storage

Precautions for safe handling

Handle containers carefully to prevent damage and spillage.
Store locked up.

Do not add water to contents while in container because of violent reaction. Always add slowly and in small amounts. Never use hot water. Never add water to acids-always add acids to water..

See section 2 for further details. - [Prevention]:

Conditions for safe storage, including any incompatibilities

Keep container closed when not in use. Store in a dry, cool place. Keep/Store away from extremely high or low temperatures and incompatible materials. Store in original container or corrosive resistant and/or lined container.

Comply with applicable regulations.

Incompatible materials: Bases. Water. Organic materials. Combustible materials. Reducing agents. Metals.

Additional Hazards When Processed: May release corrosive, harmful vapors.

See section 2 for further details. - [Storage]:

Specific end use(s)

Industrial use. Used in the manufacture of organic sulfonates, fibers and explosives.

Restrictions on use:
Not available

Section 8. Exposure controls / personal protection

Control parameters

Exposure Limits

CAS No.	Ingredient	Source	Value
7446-11-9	Sulfur trioxide	ACGIH	No Established Limit
		OSHA	No Established Limit
		NIOSH	No Established Limit
		Alberta	No Established Limit
		British Columbia	No Established Limit
		Manitoba	No Established Limit
		New Brunswick	No Established Limit
		Newfoundland and Labrador	No Established Limit
		Nova Scotia	No Established Limit
		Northwest Territories	No Established Limit
		Nunavut	No Established Limit
		Ontario	No Established Limit
		Prince Edward Island	No Established Limit
		Quebec	No Established Limit
		Saskatchewan	No Established Limit
		Yukon	No Established Limit
7664-93-9	Sulfuric acid	ACGIH	0.2 mg/m³ (T) Thoracic Fraction
		OSHA	1 mg/m³
		NIOSH	TWA 1 mg/m³
		Alberta	1 mg/m³ TWA 3 mg/m³ STEL
		British Columbia	0.2 mg/m³ TWA (contained in strong inorganic acid mists, thoracic)
		Manitoba	0.2 mg/m³ TWA (thoracic particulate matter)
		New Brunswick	1 mg/m³ TWA 3 mg/m³ STEL
		Newfoundland and Labrador	0.2 mg/m³ TWA (thoracic particulate matter)
		Nova Scotia	0.2 mg/m³ TWA (thoracic particulate matter)
		Northwest Territories	0.2 mg/m³ TWA (thoracic fraction, strong acid mists only) 0.6 mg/m³ STEL (thoracic fraction, strong acid mists only)
		Nunavut	0.2 mg/m³ TWA (thoracic fraction) 0.6 mg/m³ STEL (thoracic fraction)
		Ontario	0.2 mg/m³ TWA (thoracic)
		Prince Edward Island	0.2 mg/m³ TWA (thoracic particulate matter)
		Quebec	1 mg/m³ TWAEV 3 mg/m³ STEV
		Saskatchewan	0.2 mg/m³ TWA (thoracic fraction) 0.6 mg/m³ STEL (thoracic fraction)

		Yukon	1 mg/m³ TWA 1 mg/m³ STEL

AEGL-1 (Nondisabling)
10 minute - 0.2 mg/m^3
30 minute - 0.2 mg/m^3
1 hour - 0.2 mg/m^3
4 hour - 0.2 mg/m^3
8 hour-0.2 mg/m^3

AEGL-2 (Disabling)
10 minute - 8.7 mg/m^3
30 minute - 8.7 mg/m^3
1 hour - 8.7 mg/m^3
4 hour - 8.7 mg/m^3
8 hour-8.7 mg/m^3

AEGL-3 (lethal)
10 minute - 270 mg/m^3
30 minute - 200 mg/m^3
1 hour - 160 mg/m^3
4 hour - 110 mg/m^3
8 hour-93 mg/m^3
For accidents with sulfur trioxide or oleum, the actual ambient exposure is to sulfuric acid. Therefore the sulfuric acid AEGLs should apply in such situations.

Exposure controls

Respiratory — If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.

Eyes — Wear chemical safety goggles and face shield. **Where higher splash potential exists** (e.g. loading, unloading, line breaking, sampling of product), wear goggles and face shield with side and chin protection: chemical and impact resistant.

Skin — Wear chemical resistant gloves: Poly vinyl chloride (PVC), nitrile, viton™ (a trademark of the Chemours company), butyl or butyl rubber. Wear chemical resistant clothing. **Where higher splash potential exists** (e.g. loading, unloading, line breaking, sampling of product), wear hard hat and chemical splash shroud, Chemical resistant jacket and pants or bib overalls: PVC, neoprene, PVC coated polyester, or polyester trilaminate gore.

Engineering Controls — **Exposure Controls Appropriate Engineering Controls:** Emergency eyewash fountains and safety showers should be available in the immediate vicinity of any

potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.

Other Work Practices Put on appropriate personal protective equipment. Chemically compatible gloves (e.g.PVC, nitrile, viton butyl or butyl rubber), Chemical resistant clothing (e.g. PVC, neoprene, PVC coated polyester, or polyester trilaminate gore), and chemical resistant safety goggles and face shield. Where there is insufficient ventilation: wear respiratory protection.

WHERE HIGHER SPLASH POTENTIAL EXISTS (e.g. loading, unloading, line breaking, sampling of product), wear hard hat and chemical splash shroud, chemical resistant jacket and pants or bib overalls: PVC, neoprene, PVC coated polyester, or polyester trilaminate gore. Follow all posted PPE requirements **AND** wear goggles and face shield with side and chin protection: chemical and impact resistant. Use only outdoors or in a well-ventilated area. Do not breathe mist, spray, and vapours. Do not get in eyes, on skin, or on clothing. Use appropriate personal protection equipment (PPE). Wear protective gloves, eye protection, face protection (refer to section 8 for more details).

Use good personal hygiene practices. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details.

Section 9. Physical and chemical properties

Information on basic physical and chemical properties

Physical State	Liquid
Color	Clear, Colorless to Amber, Oily
Odor	Sharp
Odor threshold	No available information
Melting point / freezing point	10.4 °C (50.7 °F) 10%: -2°C (28.4°F); 20%: 1°C (33.8°F); 25%: 14°C (57.2°F); 7%: 32°C (89.6°F) (50.72 °F)
Initial boiling point and boiling range	290 °C (554 °F),10%: 175°C (347°F); 20%: 140°C (284°F); 25%: 130°C (266°F); 37%: 100°C (212°F). (554 °F)
Flammability (solid, gas)	Not Applicable
Upper/lower flammability or explosive limits	Lower Explosive Limit: No available information Upper Explosive Limit: No available information
Flash Point	°F °C, Test method: (Open/Close cup)
Auto-ignition temperature	No available information

Decomposition temperature	No available information
pH	0
Viscosity (cSt)	No available information
Solubility in Water	Water: Miscible. Reacts violently with water.
Partition coefficient n-octanol/water (Log Kow)	No available information
Vapour pressure (Pa)	0.0035 mm Hg at 20 °C (68 °F): 10%: 0.4 mmHg; 20%: 1.1 mmHg; 25%: 2.9 mmHg, 37%: 47.8 mmHg
Relative Density	1.83 @ 4°C (39°F): 10%: 1.880; 20%: 1.916; 25%: 1.935; 37%: 1.976
Vapour Density	2.8 (air = 1)
Evaporation rate (Ether = 1)	0.56
Specific Gravity	1.89

Other information

No other relevant information.

Section 10. Stability and reactivity

Reactivity

This product may act as an oxidizer. May react exothermically with water releasing heat. Adding an acid to a base or base to an acid may cause a violent reaction. May be corrosive to metals.

Chemical stability

Stable under recommended handling and storage conditions (see section 7).

Possibility of hazardous reactions

Reacts with some bases.

Conditions to avoid

Direct sunlight, extremely high or low temperatures, and incompatible materials.

Incompatible materials

Bases. Water. Organic materials. Combustible materials. Reducing agents. Metals.

Hazardous decomposition products

Thermal decomposition generates: Corrosive vapors. Sulfur oxides.

Section 11. Toxicological information

Acute toxicity

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
Product Acute Toxicity Estimates	NA	NA	0	NA	NA

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
Sulfuric acid - (7664-93-9)	No data available.	No data available.	No data available.	No data available.	No data available.
Sulfur trioxide - (7446-11-9)	No data available.	No data available.	1,375.00, Rat - Category: NA	No data available.	No data available.

Carcinogen Data

CAS No.	Ingredient	Source	Value
7446-11-9	Sulfur trioxide	IARC	Group 1
		ACGIH	No Established Limit
7664-93-9	Sulfuric acid	IARC	Group 1
		ACGIH	A2 (in strong inorganic acid mists)

Classification	Category	Hazard Description
Acute toxicity (oral)	---	Not Applicable
Acute toxicity (dermal)	---	Not Applicable
Acute toxicity (inhalation)	1	Fatal if inhaled.
Skin corrosion/irritation	1A	Causes severe skin burns and eye damage.
Serious eye damage/irritation	1	Causes serious eye damage.
Respiratory sensitization	---	Not Applicable
Skin sensitization	---	Not Applicable
Germ cell mutagenicity	---	Not Applicable
Carcinogenicity	---	Not Applicable
Reproductive toxicity	---	Not Applicable
STOT-single exposure	---	Not Applicable
STOT-single exposure	3	May cause respiratory irritation.
STOT-repeated exposure	---	Not Applicable
Aspiration hazard	---	Not Applicable

Possible routes of entry:
Inhalation, ingestion, skin contact, and skin absorption.

Symptoms and effects, both acute and delayed:
Fatal if inhaled. Corrosive to eyes, respiratory system and skin.
Acute Health Effects : Fatal if inhaled. Corrosive to eyes, respiratory system and skin. May cause respiratory irritation.
INHALATION: Inhalation of this material can cause serious health effects in small amounts, leading to unconsciousness and death. Corrosive to the respiratory tract. (IMMEDIATE) May cause damage to organs through prolonged or repeated exposure by inhalation.
SKIN CONTACT: Causes severe irritation which will progress to chemical burns. (IMMEDIATE).
EYE CONTACT: Causes permanent damage to the cornea, iris, or conjunctiva. (IMMEDIATE)
INGESTION: May cause burns or irritation of the linings of the mouth, throat, and gastrointestinal tract. (IMMEDIATE)

Indication of Any Immediate Medical Attention and Special Treatment Needed: If exposed or concerned, get medical advice and attention.

Eyes	Causes serious eye damage.
Skin	Causes severe skin burns and eye damage.
Chronic effects	Prolonged inhalation of fumes or mists may cause erosion of the teeth. Repeated inhalation exposure may cause impairment of lung function and permanent lung damage. Indication of Any Immediate Medical Attention and Special Treatment Needed Symptoms May be Delayed. May cause cancer when contained in strong inorganic acid mist. If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

Section 12. Ecological information

Toxicity
No additional information provided for this product. See Section 3 for chemical specific data.
Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Sulfuric acid - (7664-93-9)	27.00, Lepomis macrochirus	100.00, Desmodesmus subspicatus	100.00, Desmodesmus subspicatus
Sulfur trioxide - (7446-11-9)	22.00, Lepomis macrochirus	101.00, Daphnia magna	101.00, Desmodesmus subspicatus

Persistence and degradability
There is no data available on the preparation itself.
Bioaccumulative potential
No available information
Mobility in soil
No available information

Results of PBT and vPvB assessment

This product contains no PBT/vPvB/vPvM chemicals.

Other adverse effects

No available information

Section 13. Disposal considerations

Waste treatment methods

Dispose of waste material in accordance with all local, regional, federal, provincial, state, territorial and international regulations.

Ecology - Waste Materials: Avoid release to the environment. This material is hazardous to the aquatic environment. Keep out of sewers and waterways.

Additional Information: Container may remain hazardous when empty. Continue to observe all precautions.

Section 14. Transport information

Classification Method: Classified as per Part 2, Sections 2.1-2.8 of the Transportation of Dangerous Goods Regulations.

DOT (Domestic Surface Transportation)	
UN number	UN1831
UN proper shipping name	UN1831,Sulfuric acid, fuming with less than 30 percent free sulfur trioxide,8,I
Transport hazard class(es)	8
Sub Class	Not Applicable
Packing group	I

TDG (Domestic Surface Transportation)	
UN number	UN1831
UN proper shipping name	Sulfuric acid, fuming with less than 30 percent free sulfur trioxide
Transport hazard class(es)	8
Sub Class	Not Applicable
Packing group	I

IMO / IMDG (Ocean Transportation)	
UN number	UN1831
UN proper shipping name	Sulfuric acid, fuming with less than 30 percent free sulfur trioxide
Transport hazard class(es)	8
Sub Class	Not Applicable
Packing group	I

ICAO/IATA	
UN number	UN1831
UN proper shipping name	Sulfuric acid, fuming with less than 30 percent free sulfur trioxide
Transport hazard class(es)	8
Sub Class	Not Applicable
Packing group	I

Environmental hazards
IMDG Marine Pollutant: No;
Special precautions for user
No available information

Section 15. Regulatory information

Regulatory Overview The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

Toxic Substance Control Act (TSCA) All components of this material are either listed or exempt from listing on the TSCA Inventory.

NFPA Ranking
Health (blue) :4
Fire (red) :0
Reactivity (yellow) :0
Special (white) :ACID

Note: Strong inorganic acid mists containing sulfuric acid are listed on the California Proposition 65 Carcinogen List. [Sulfuric acid, in and of itself, is not listed under Proposition 65. However, if one has sulfuric acid, which through its intended use generates an acid mist that in turn contains sulfuric acid that would meet the listing. The term "strong" does not refer to the concentration of the acid, but rather the strength of the acid. The basis for the listing of strong inorganic acid mists containing sulfuric acid was the formal identification by the National Toxicology Program (NTP), in its Ninth Report on Carcinogens, that this chemical mixture is "known to be a human carcinogen." (Public notice available at http://www.oehha.ca.gov/prop65/CRNR_notices/admin_listing/intent_to_list/noil19b4.html.)]

Toxic Substance Control Act (TSCA)

Sulfur trioxide (Present)

Sulfuric acid

CERCLA Chemicals and RQs (lbs):

Sulfuric acid (1,000.00)

EPCRA 302 Extremely Hazardous:

Sulfur trioxide

Sulfuric acid

EPCRA 313 Toxic Chemicals:

Sulfur trioxide

Sulfuric acid

Canadian Domestic Substance List (DSL):

Sulfur trioxide

Sulfuric acid

Canadian Non-Domestic Substance List (NDSL):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

New Jersey RTK Substances (>1%):

Sulfur trioxide

Sulfuric acid

Pennsylvania RTK Substances (>1%):

Sulfur trioxide

Sulfuric acid

Proposition 65 - Carcinogens (>0.0%):

Sulfuric acid

Proposition 65 - Developmental Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Female Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Male Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 Label Warning:

WARNING: This product can expose you to chemicals including [Sulfuric acid], which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Note: Strong inorganic acid mists containing sulfuric acid are listed on the California Proposition 65 Carcinogen List. [Sulfuric acid, in and of itself, is not listed under Proposition 65. However, if one has sulfuric acid, which through its intended use generates an acid mist that in turn contains sulfuric acid that would meet the listing. The term "strong" does not refer to the concentration of the acid, but rather the strength of the acid. The basis for the listing of strong inorganic acid mists containing sulfuric acid was the formal identification by the National Toxicology Program (NTP), in its Ninth Report on Carcinogens, that this chemical mixture is "known to be a human carcinogen." (Public notice available at http://www.oehha.ca.gov/prop65/CRNR_notices/admin_listing/intent_to_list/noil19b4.html.)]

Chemical Name (CAS Number)	US TSCA	Australia AICS	Korea ECL	EU EINECS	EU ELINCS	EU SVHC	EN NLP	Mexico INSQ
Sulfuric acid (7664-93-9)	Yes	Yes	Yes	Yes	No	No	No	Yes
Sulfur trioxide (7446-11-9)	Yes	Yes	Yes	Yes	No	No	No	Yes

Chemical Name (CAS Number)	China IECSC	Japan ENCS	Japan ISHL	Japan PDSCL	Japan PRTR 1	Japan PRTR 2	Philippines PICCS	New Zealand NZIOC
Sulfuric acid (7664-93-9)	Yes	Yes	Yes	Yes	No	No	Yes	Yes
Sulfur trioxide (7446-11-9)	Yes	Yes	No	No	No	No	Yes	Yes

Section 16. Other information

Revision Date 12/01/2025

Revision Number 5.1

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H290 May be corrosive to metals.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H330 Fatal if inhaled.

H335 May cause respiratory irritation.

Disclaimer: The information presented herein is supplied as a guide to those who handle or use this product. Safe work practices must be employed when working with any materials. It is important that the end user makes a determination regarding the adequacy of the safety procedures employed during the use of this product.

End of Document