

Safety Data Sheet acc. to OSHA HCS (HazCom 2012)

Printing date 09/05/2022

Reviewed on 09/05/2022

1 Identification

- **Product identifier**
- **Trade name: COD / CSB Mercury Free, 0-150 mg/l**
- **Catalogue number:** 420710, 2420710
- **Application of the substance / the mixture:** Reagent for water analysis
- **Manufacturer/Supplier:**
Tintometer Inc.
6456 Parkland Drive
Sarasota, FL 34243
USA
phone: (941) 756-6410
fax: (941) 727-9654
www.lovibond.us
Made in Germany
- **Emergency telephone number:** + 1 866 928 0789 (English, French, Spanish)

2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS05 Corrosion

Corrosive to Metals 1 H290 May be corrosive to metals.
Skin Corrosion 1A H314 Causes severe skin burns and eye damage.
Eye Damage 1 H318 Causes serious eye damage.



GHS09 Environment

Aquatic Acute 1 H400 Very toxic to aquatic life.
Aquatic Chronic 1 H410 Very toxic to aquatic life with long lasting effects.

- **Label elements**
- **GHS label elements** The product is classified and labeled according to the Hazard Communication Standard (HCS).
- **Hazard pictograms**



GHS05



GHS09

- **Signal word** Danger
- **Hazard-determining components of labeling:**
sulphuric acid 82 %
- **Hazard statements**
H290 May be corrosive to metals.
H314 Causes severe skin burns and eye damage.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
- **Precautionary statements**
P260 Do not breathe mist/vapours/spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301+P330+P331 If swallowed: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

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P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P308+P310 IF exposed or concerned: Immediately call a poison center/doctor.

Other hazards

Contact with skin and inhalation of aerosols/ vapours of the preparation should be avoided.

Acid burns have to treated immediately, as it may otherwise cause badly curing wounds.

* 3 Composition/information on ingredients

Chemical characterization: Mixtures

Description: sulfuric acid solution

Composition and Information on Ingredients:

The percent content of the chromium compound mentioned below refers to the amount of the chromate ions dissolved in water.

Cancer Status IARC: Strong inorganic acid mists containing sulphuric acid can cause cancer.

Percent ranges are used due to the confidential product information.

CAS: 7664-93-9 EINECS: 231-639-5 Index number: 016-020-00-8 RTECS: WS5600000	sulphuric acid ⚠ Corrosive to Metals 1, H290; Skin Corrosion 1A, H314	80–90%
CAS: 10294-26-5 EINECS: 233-653-7	disilver(1+) sulfate ⚠ Eye Damage 1, H318; ⚠ Aquatic Acute 1, H400 (M=1000); Aquatic Chronic 1, H410 (M=100)	0.25–<1%
CAS: 7778-50-9 EINECS: 231-906-6 Index number: 024-002-00-6 RTECS: HX 7680000	potassium dichromate ⚠ Oxidizing Solids 2, H272; ⚠ Acute Toxicity - Oral 3, H301; Acute Toxicity - Inhalation 2, H330; ⚠ Sensitization - Respiratory 1, H334; Germ Cell Mutagenicity 1B, H340; Carcinogenicity 1B, H350; Toxic to Reproduction 1B, H360; Specific Target Organ Toxicity - Repeated Exposure 1, H372; ⚠ Skin Corrosion 1B, H314; ⚠ Aquatic Acute 1, H400 (M=1); Aquatic Chronic 1, H410 (M=1); ⚠ Acute Toxicity - Dermal 4, H312; Sensitization - Skin 1, H317	0.025–<0.1%

Additional information: For the wording of the listed hazard phrases refer to section 16.

4 First-aid measures

Description of first aid measures

General information:

Personal protection for the First Aider.

Immediately remove any clothing soiled by the product.

After inhalation:

Supply fresh air or oxygen; call for doctor.

In case of unconsciousness remove to fresh air, apply artificial respiration, and consult a physician.

After skin contact:

Wash with polyethylene glycol 400 and then rinse with copious amounts of water.

Immediate medical treatment necessary. Failure to treat burns can prevent wounds from healing.

After eye contact:

Rinse opened eye for several minutes (at least 15 min) under running water.

Call a doctor immediately.

After swallowing:

Rinse out mouth and then drink 1-2 glasses of water.

Do not induce vomiting; immediately call for medical help.

Most important symptoms and effects, both acute and delayed

burns

resorption

after inhalation:

coughing

breathing difficulty

asthma attacks

damage to the affected mucous membranes

after swallowing:

strong caustic effect

sickness

vomiting

diarrhoea

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pain

- **Danger:**

- Danger of circulatory collapse.

- Danger of gastric perforation.

- Danger of pulmonary edema.

- **Indication of any immediate medical attention and special treatment needed:**

- If swallowed or in case of vomiting, danger of entering the lungs.

- Later observation for pneumonia and pulmonary edema.

5 Fire-fighting measures

- **Extinguishing media**

- **Suitable extinguishing agents:**

- CO₂, sand, extinguishing powder.

- Water spray

- **For safety reasons unsuitable extinguishing agents:**

- Water with full jet

- > exothermic reaction.

- **Special hazards arising from the substance or mixture**

- The product is not combustible.

- Formation of toxic gases is possible during heating or in case of fire.

- In case of fire, the following can be released:

- Sulfur oxides (SO_x)

- **Advice for firefighters**

- **Protective equipment:**

- Wear self-contained respiratory protective device.

- Wear fully protective suit.

- **Additional information**

- Collect contaminated fire fighting water separately. It must not enter the sewage system.

- Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

- Ambient fire may liberate hazardous vapours.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**

- **Advice for non-emergency personnel:**

- Wear protective equipment. Keep unprotected persons away.

- Avoid substance contact.

- Ensure adequate ventilation

- Use respiratory protective device against the effects of fume/dust/aerosol.

- **Advice for emergency responders:** Protective equipment: see section 8

- **Environmental precautions:**

- Do not allow product to reach sewage system or any water course.

- Prevent seepage into sewage system, workpits and cellars.

- **Methods and material for containment and cleaning up:**

- Ensure adequate ventilation.

- Use neutralizing agent.

- Neutralize with diluted sodium hydroxide solution.

- Absorb with liquid-binding material (sand, diatomite, universal binders).

- Dispose contaminated material as waste according to item 13.

- **Reference to other sections**

- See Section 8 for information on personal protection equipment.

- See Section 13 for disposal information.

7 Handling and storage

- **Precautions for safe handling**

- **Advice on safe handling:**

- Open and handle receptacle with care.

- Prevent formation of aerosols.

- Work only in fume cabinet.

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- **Hygiene measures:**
Do not inhale gases / fumes / aerosols.
Do not get in eyes, on skin, or on clothing.
Take off immediately all contaminated clothing.
Wash hands before breaks and at the end of work.
Do not eat, drink or smoke when using this product.
- **Conditions for safe storage, including any incompatibilities**
- **Requirements to be met by storerooms and receptacles:**
Store in a cool location.
Keep only in original container.
- **Information about storage in one common storage facility:**
Store away from metals.
Do not store together with alkalis (caustic solutions).
Store away from flammable substances.
- **Further information about storage conditions:**
Keep receptacle tightly sealed.
Protect from heat and direct sunlight.
Protect from exposure to the light.
Protect from humidity and water.
- **Recommended storage temperature:** 20°C +/- 5°C (approx. 68°F)
- **Specific end use(s)** No further relevant information available.

* 8 Exposure controls/personal protection

- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**
The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.

CAS: 7664-93-9 sulphuric acid	
PEL (USA)	Long-term value: 1 mg/m ³
REL (USA)	Long-term value: 1 mg/m ³
TLV (USA)	Long-term value: 0.2* mg/m ³ *as thoracic fraction, A2
EL (Canada)	Long-term value: 0.2 mg/m ³ thoracic, ACGIH A2; IARC 1
EV (Canada)	Long-term value: 0.2 mg/m ³
CAS: 10294-26-5 disilver(1+) sulfate	
EL (Canada)	Short-term value: 0.03 mg/m ³ Long-term value: 0.01 mg/m ³ as Ag

- **Additional information:** The lists that were valid during the creation were used as basis.
- **Engineering measures:**
Technical measures and appropriate working operations should be given priority over the use of personal protective equipment.
See item 7.
- **Personal protective equipment:**
- **Breathing equipment:** Use respiratory protective device against the effects of fume/dust/aerosol.
- **Recommended filter device for short term use:** Combination filter B-P2
- **Protection of hands:**
Acid resistant gloves
Preventive skin protection by use of skin-protecting agents is recommended.
After use of gloves apply skin-cleaning agents and skin cosmetics.
- **Material of gloves**
Butyl rubber, BR
Fluorocarbon rubber (Viton)
Nitrile rubber, NBR
Recommended thickness of the material: ≥ 0.3 mm
- **Penetration time of glove material**
Value for the permeation: Level ≤ 1 (10 min)
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:**
Tightly sealed goggles

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Face protection

Use protective goggles that have been tested and approved in accordance with government standards (like NIOSH).

· **Body protection:** Acid resistant protective clothing· **Limitation and supervision of exposure into the environment:**

Do not allow product to reach sewage system or any water course.

* 9 Physical and chemical properties

· **Information on basic physical and chemical properties**· **Appearance:**· **Form / Physical state:** Solution· **Color:** Yellow-brown· **Odor:** Recognizable· **Odor threshold:** Not determined.· **pH-value at 20°C (68°F):** 1· **Melting point/freezing point:** Strongly acidic· **Initial boiling point and boiling range:** Not determined.· **Flash point:** Not applicable.· **Flammability (solid, gas):** Not applicable.· **Ignition temperature:** Not applicable.· **Decomposition temperature:** Not determined.· **Auto-ignition temperature:** Product is not self-igniting.· **Danger of explosion:** Product does not present an explosion hazard.· **Flammability or explosive limits:**· **Lower:** Not applicable.· **Upper:** Not applicable.· **Oxidizing properties:** CAS 7664-93-9 :

Oxidizing potential

· **Vapor Pressure:** Not determined.· **Density at 20°C (68°F):** 1.76 g/cm³ (14.69 lbs/gal)· **Relative density:** Not determined.· **Vapor density:** Not determined.· **Evaporation rate:** Not determined.· **Solubility(ies)**· **Water:** Fully miscible.· **Partition coefficient (n-octanol/water):** Not applicable (mixture).· **Viscosity:**· **Kinematic:** Not determined.· **Other information**· **Solids content:** 0.25 - 1 %· **Solvent content:**· **Organic solvents:** 0 %· **Water:** < 20 %

10 Stability and reactivity

· **Reactivity** see section "Possibility of hazardous reactions"· **Chemical stability** Stable at ambient temperature (room temperature).· **Possibility of hazardous reactions**

Reacts with metals forming hydrogen (Danger of explosion in case of large amounts!)

Corrosive action on metals.

When diluting, always add acid to water, never vice versa.

Diluting or dissolving in water always causes rapid heating.

Reacts with acids, alkalis and oxidizing agents.

Reacts with reducing agents.

Reacts with peroxides.

Reacts with halogenated compounds.

Reacts with ammonia (NH₃).· **Conditions to avoid** strong heating

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- **Incompatible materials:**
 - metals
 - combustible materials
 - organic solvents
 - organic substances
- **Hazardous decomposition products:** see section 5

* 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:** Based on available data, the classification criteria are not met.

- **Acute toxicity estimate (ATE_(mix)) - Calculation method:**

Oral	GHS ATE _(mix)	2600 mg/kg (.)
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- **LD/LC50 values that are relevant for classification:**

The following statements refer to the individual components.

- **CAS: 7664-93-9 sulphuric acid**

Oral	LD50	2140 mg/kg (rat) (IUCLID)
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Inhalative	LC 50	510 mg/m ³ /2h (rat) IUCLID
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- **CAS: 10294-26-5 disilver(1+) sulfate**

Oral	LD50	>5000 mg/kg (rat) (OECD 401) (Registrant, ECHA)
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- **Primary irritant effect:**

- **on the skin:** Causes severe skin burns.
- **on the eye:** Causes serious eye damage.
Risk of blindness!

- **Information on components:**

- **CAS: 10294-26-5 disilver(1+) sulfate**

Irritation of skin	OECD 404	(rabbit: no irritation)
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Irritation of eyes	OECD 405	(rabbit: burns)
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- **Sensitization:** Based on available data, the classification criteria are not met.
- **Information on components:**
CAS 7778-50-9: Sensitizing effect by inhalation and skin contact is possible by prolonged exposure.

- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

CAS: 7664-93-9	sulphuric acid	1
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CAS: 7778-50-9	potassium dichromate	1
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- **NTP (National Toxicology Program)**

CAS: 7664-93-9	sulphuric acid	K
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CAS: 7778-50-9	potassium dichromate	K
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- **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

- **Other information:**

see section 8 / 15

Cancer Status of Sulfuric acid: The International Agency for Research on Cancer (IARC) has classified "strong inorganic acid mists containing sulfuric acid" as a known human carcinogen, (IARC category 1). This classification applies only to mists containing sulfuric acid and not to sulfuric acid or sulfuric acid solutions.

A2 (Suspected for humans) by ACGIH

- **Synergistic Products:** None

- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):** The following statements refer to the mixture:

- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.

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- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT (specific target organ toxicity) -single exposure** Based on available data, the classification criteria are not met.
- **STOT (specific target organ toxicity) -repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.
- **Additional toxicological information:**
Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach. The aerosol is corrosive to the eyes, the skin and the respiratory tract. Inhalation of aerosols may cause lung oedema.

CAS: 7664-93-9 sulphuric acid

(source: GESTIS)

Main toxic effects

Acute: Irritation up to chemical burns to the mucous membranes and skin, danger of serious damage to the eyes and lungs
Chronic: Irritation to the eyes and airways, erosion of the teeth, damage to the skin

Further Information:

Concentrated S. differs considerably from dilute Sulfuric acid with regard to chemical properties and effects.

With increased dilution Sulfuric acid acts less aggressively.

- **Other information** Other dangerous properties can not be excluded.

12 Ecological information**· Toxicity****· Aquatic toxicity:****CAS: 7664-93-9 sulphuric acid**EC50 >100 mg/l/48h (Daphnia magna) (OECD 202)
(ECHA)LC50 16–29 mg/l/96h (bluegill)
(Merck)**CAS: 10294-26-5 disilver(1+) sulfate**EC50 0.00022 mg/l/48h (Daphnia magna)
(ECHA)EC10 0.00214 mg/l (Daphnia magna) (ASTM)
(ECHA: 21d, test substance: AgNO₃)0.00017 mg/l (rainbow trout)
ECHA0.00039 mg/l (fathhead minnow) (ASTM E1241-98)
(28d, test substance: AgNO₃, result in mg/l Ag)0.00041 mg/l /24h (Pseudokirchneriella subcapitata)
ECHALC50 0.0012 mg/l/96h (fathhead minnow)
US-EPA

- **Bacterial toxicity:** sulfates toxic > 2.5 g/l

· Other information:

Toxic for fish:

sulfates > 7 g/l

· Persistence and degradability .**· Other information:**

Mixture of inorganic compounds.

Methods for the determination of biodegradability are not applicable to inorganic substances.

· Bioaccumulative potential No further relevant information available.**· Mobility in soil** No further relevant information available.**· Other adverse effects**

Harmful effect due to pH shift.

Forms corrosive mixtures with water even if diluted.

Avoid transfer into the environment.

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13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
Hand over to hazardous waste disposers.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

14 Transport information

<ul style="list-style-type: none"> · UN-Number · DOT, IMDG, IATA 	UN1830
<ul style="list-style-type: none"> · UN proper shipping name · DOT · IMDG · IATA 	Sulfuric acid SULPHURIC ACID, MARINE POLLUTANT SULPHURIC ACID
<ul style="list-style-type: none"> · Transport hazard class(es) · DOT <div style="text-align: center;">  </div>	8 Corrosive substances
<ul style="list-style-type: none"> · Class · Label 	8
<ul style="list-style-type: none"> · IMDG <div style="text-align: center;">  </div>	8 Corrosive substances
<ul style="list-style-type: none"> · Class · Label 	8
<ul style="list-style-type: none"> · IATA <div style="text-align: center;">  </div>	8 Corrosive substances
<ul style="list-style-type: none"> · Class · Label 	8
<ul style="list-style-type: none"> · Packing group · DOT, IMDG, IATA 	II
<ul style="list-style-type: none"> · Environmental hazards: · Marine pollutant: 	Product contains environmentally hazardous substances: disilver(1+) sulfate Symbol (fish and tree)
<ul style="list-style-type: none"> · Special precautions for user · Hazard identification number (Kemler code): · EMS Number: · Segregation groups · Stowage Category · Stowage Code 	Warning: Corrosive substances 80 F-A, S-B (SGG1) Acids E SW15 For metal drums, stowage category B.
<ul style="list-style-type: none"> · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code 	Not applicable.

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· Transport/Additional information:	
· DOT	
· Quantity limitations	On passenger aircraft/rail: 1 L On cargo aircraft only: 30 L
· IMDG	
· Limited quantities (LQ)	1L
· Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml

*15 Regulatory information

· Safety, health and environmental regulations/legislation specific for the substance or mixture		
· Sara		
· Section 355 (Extremely hazardous substances):		
CAS: 7664-93-9	sulphuric acid	
· Section 313 (Specific toxic chemical listings):		
CAS: 7664-93-9	sulphuric acid	
CAS: 10294-26-5	disilver(1+) sulfate	
· TSCA (Toxic Substances Control Act):		
All components have the value ACTIVE.		
· Hazardous Air Pollutants		
CAS: 7778-50-9	potassium dichromate	
· Proposition 65		
· Chemicals known to cause cancer:		
CAS: 7778-50-9	potassium dichromate	
· Chemicals known to cause reproductive toxicity for females:		
CAS: 7778-50-9	potassium dichromate	
· Chemicals known to cause reproductive toxicity for males:		
CAS: 7778-50-9	potassium dichromate	
· Chemicals known to cause developmental toxicity:		
CAS: 7778-50-9	potassium dichromate	
· New Jersey Right-to-Know List:		
CAS: 7664-93-9	sulphuric acid	
CAS: 7778-50-9	potassium dichromate	
· New Jersey Special Hazardous Substance List:		
CAS: 7664-93-9	sulphuric acid	CA, CO, R2
CAS: 7778-50-9	potassium dichromate	CA, MU
· Pennsylvania Right-to-Know List:		
CAS: 7664-93-9	sulphuric acid	
CAS: 7778-50-9	potassium dichromate	
· Pennsylvania Special Hazardous Substance List:		
CAS: 7664-93-9	sulphuric acid	E
CAS: 7778-50-9	potassium dichromate	E
· EPA (Environmental Protection Agency)		
CAS: 7778-50-9	potassium dichromate	A(inh), D(oral), K/L(inh), CBD(oral)
· NIOSH-Ca (National Institute for Occupational Safety and Health)		
CAS: 7778-50-9	potassium dichromate	
· Information about limitation of use:		
Observe national regulations where applicable:		
Employment restrictions concerning young persons must be observed.		

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· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Relevant phrases

H272 May intensify fire; oxidizer.
 H290 May be corrosive to metals.
 H301 Toxic if swallowed.
 H312 Harmful in contact with skin.
 H314 Causes severe skin burns and eye damage.
 H317 May cause an allergic skin reaction.
 H318 Causes serious eye damage.
 H330 Fatal if inhaled.
 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
 H340 May cause genetic defects.
 H350 May cause cancer.
 H360 May damage fertility or the unborn child.
 H372 Causes damage to organs through prolonged or repeated exposure.
 H400 Very toxic to aquatic life.
 H410 Very toxic to aquatic life with long lasting effects.

· **Date of preparation / last revision** 09/05/2022 / 8

· Abbreviations and acronyms:

OECD: Organisation for Economic Co-operation and Development
 STOT: specific target organ toxicity
 SE: single exposure
 RE: repeated exposure
 EC50: half maximal effective concentration
 IC50: half maximal inhibitory concentration
 NOEL or NOEC: No Observed Effect Level or Concentration
 ACGIH® - American Conference of Governmental Industrial Hygienists
 •A1 - Confirmed human carcinogen
 •A2 - Suspected human carcinogen
 •A3 - Confirmed animal carcinogen with unknown relevance to humans
 •A4 - Not classifiable as a human carcinogen
 •A5 - Not suspected as a human carcinogen
 IARC - International Agency for Research on Cancer
 •Group 1 - Carcinogenic to humans
 •Group 2A - Probably carcinogenic to humans
 •Group 2B - Possibly carcinogenic to humans
 •Group 3 - Not classifiable as to carcinogenicity to humans
 •Group 4 - Probably not carcinogenic to humans
 NTP - National Toxicology Program, U.S. Department of Health and Human Services
 •Group K - Known to be Human Carcinogens
 •Group R - Reasonably Anticipated to be Human Carcinogens
 IMDG: International Maritime Code for Dangerous Goods
 DOT: US Department of Transportation
 IATA: International Air Transport Association
 EINECS: European Inventory of Existing Commercial Chemical Substances
 ELINCS: European List of Notified Chemical Substances
 CAS: Chemical Abstracts Service (division of the American Chemical Society)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 NIOSH: National Institute for Occupational Safety
 OSHA: Occupational Safety & Health
 TLV: Threshold Limit Value
 PEL: Permissible Exposure Limit
 REL: Recommended Exposure Limit
 Oxidizing Solids 2: Oxidizing solids – Category 2
 Corrosive to Metals 1: Corrosive to metals – Category 1
 Acute Toxicity - Oral 3: Acute toxicity – Category 3
 Acute Toxicity - Dermal 4: Acute toxicity – Category 4
 Acute Toxicity - Inhalation 2: Acute toxicity – Category 2
 Skin Corrosion 1A: Skin corrosion/irritation – Category 1A
 Skin Corrosion 1B: Skin corrosion/irritation – Category 1B
 Eye Damage 1: Serious eye damage/eye irritation – Category 1
 Sensitization - Respiratory 1: Respiratory sensitisation – Category 1
 Sensitization - Skin 1: Skin sensitisation – Category 1
 Germ Cell Mutagenicity 1B: Germ cell mutagenicity – Category 1B
 Carcinogenicity 1B: Carcinogenicity – Category 1B
 Toxic to Reproduction 1B: Reproductive toxicity – Category 1B
 Specific Target Organ Toxicity - Repeated Exposure 1: Specific target organ toxicity (repeated exposure) – Category 1
 Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

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Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

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· Sources

Data arise from safety data sheets, reference works and literature.

ECHA: European Chemicals Agency <http://echa.europa.eu>

GESTIS- Stoffdatenbank (Substance Database, Germany)

IUCLID (International Uniform Chemical Information Database)

· * Data compared to the previous version altered.

— US —