SAFETY DATA SHEET

1. Identification
Product identifier Sulfuric Acid N
Product code R-0686; R-0686O; R-0686P
Recommended use Use as directed by manufacturer for purposes directly related to water testing.
Recommended restrictions None known
Manufacturer/Importer/Supplier/Distributor information
Manufacturer
Company name Taylor Technologies, Inc.
Address 31 Loveton Circle
Sparks, MD 21152
United States
Telephone (410) 472-4340 Monday–Friday, 8:00 a.m.–4:30 p.m.
Website www.taylortechnologies.com
E-mail Not available
Emergency phone number (800) 837-8548

2. Hazard(s) identification
Physical hazards Corrosive to metals Category 1
Health hazards Eye damage/eye irritation Category 1
Skin corrosion/irritation Category 1B
Specific target organ toxicity, single exposure Category 3 respiratory tract irritation
Environmental hazards Not currently regulated by OSHA; refer to section 12 of the SDS for additional information.
Label elements
Signal word Danger
Hazard statement May be corrosive to metals. Causes severe skin burns and eye damage. May cause respiratory irritation.
Precautionary statement
Prevention Keep only in original container. Do not breathe mist or vapor. Wash skin thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection.
Response Absorb spillage to prevent material damage.
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
IF ON SKIN (OR HAIR): Take off immediately all contaminated clothing. Rinse skin with water.
Wash contaminated clothing before reuse.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
Immediately call a physician or poison control center.
Storage Store locked up.
3. Composition/information on ingredients

Mixtures

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Common name and synonyms</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deionized water</td>
<td>Dihydrogen oxide</td>
<td>7732-18-5</td>
<td>95–99</td>
</tr>
<tr>
<td>Sulfuric acid</td>
<td>Hydrogen sulfate; Oil of vitriol</td>
<td>7664-93-9</td>
<td>0.1–5</td>
</tr>
</tbody>
</table>

4. First-aid measures

Inhalation
Move to fresh air. Give oxygen or artificial respiration if needed. Get medical attention immediately.

Skin contact
Immediately flush skin with running water for at least 20 minutes. Immediately take off all contaminated clothing. Call a physician or poison control center immediately. Chemical burns must be treated by a physician. Wash contaminated clothing before reuse.

Eye contact
Immediately flush eyes with plenty of water for at least 20 minutes. Remove contact lenses if present and easy to do. Continue rinsing. Call a physician or poison control center immediately.

Ingestion
Call a physician or poison control center immediately. Rinse mouth. Never give anything by mouth to a person who is unconscious or is having convulsions. Do NOT induce vomiting unless directed by physician. If vomiting occurs, keep head low so that stomach content does not get into the lungs.

Most important symptoms/effects, acute and delayed
Direct skin contact may cause corrosive skin burns, deep ulcerations, and possibly permanent scarring. Direct contact with concentrated solutions may be corrosive to the eyes and may cause severe damage, including blindness. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

Inhalation of mists can cause severe respiratory irritation. Symptoms may include coughing, choking, and wheezing. Inhalation could result in pulmonary edema (fluid accumulation). Symptoms of pulmonary edema (chest pain, shortness of breath) may be delayed.

Ingestion may produce burns to the lips, oral cavity, upper airway, esophagus, and possibly the digestive tract. Symptoms may include abdominal pain, vomiting, burns, perforations, bleeding.

Indication of immediate medical attention and special treatment needed
Provide general supportive measures and treat symptomatically.

Indication of immediate medical attention and special treatment needed
Chemical burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep person under observation. Symptoms may be delayed.

General information
Ensure medical personnel are aware of the material(s) involved and take precautions to protect themselves.

5. Firefighting measures

Suitable extinguishing media

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

Specific hazards arising from the chemical
During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters
Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Firefighting equipment/instructions
Firefighters should wear full protective gear. Evacuate the area promptly. Fight fire from upwind to avoid exposure to combustion products. Cool containers/tanks with water spray. Do not get water inside container. Move containers from fire area if it can be done without risk. Prevent fire-extinguishing water from contaminating surface water or the ground water system.

Specific methods
Use standard firefighting procedures and consider the hazards of other involved materials.

General fire hazards
Not combustible; however, the product can react with metals to form flammable and explosive hydrogen gas.

Hazardous combustion products
Sulfur oxides. Other irritating fumes and smoke.
6. Accidental release measures

Personal precautions, protective equipment, and emergency procedures
Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate protective equipment and clothing during cleanup. Do not breathe mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protective equipment, refer to section 8 of the SDS.

Methods and materials for containment and cleaning up
This product is miscible in water.
Large Spills: Dike the spilled material where this is possible. Stop leak if it can be done without risk. Absorb spillage to prevent material damage. Absorb in vermiculite, dry sand or earth, and place into containers. Prevent entry into waterways, sewer, basements, or confined areas. Following product recovery, flush area with water.
Small Spills: Absorb spillage with noncombustible, absorbent material. Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for reuse. For waste disposal, refer to section 13 of the SDS. Dilute acid with water and neutralize with dilute base. If not recoverable, dilute with water or flush to holding area and neutralize. Contaminated absorbent material may pose the same hazards as the spilled product.

In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.

Environmental precautions
Avoid discharge into drains, watercourses, or onto the ground.

7. Handling and storage

Precautions for safe handling
Do not breathe mist or vapor. Do not get in eyes, on skin, or on clothing. Do not taste or swallow. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. For personal protective equipment, refer to section 8 of the SDS. Keep away from metals and other incompatibles. Observe good industrial hygiene practices. Label containers appropriately.

Conditions for safe storage, including any incompatibilities
Store locked up. Store in corrosive-resistant container with a corrosive-resistant inner liner. Store in original tightly closed container. Keep only in the original container. Store in a cool, dry place out of direct sunlight. Store away from incompatible materials (refer to section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

| U.S. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) |
|-----------------|-----------------|--------------|
| Components                      | Type | Value | Form |
| Sulfuric acid (CAS 7664-93-9)  | PEL  | 1 mg/m³ | Not applicable |

| U.S. ACGIH Threshold Limit Values |
|-----------------|-----------------|--------------|
| Components                      | Type | Value | Form |
| Sulfuric acid (CAS 7664-93-9)  | TWA  | 0.2 mg/m³ | Thoracic fraction |

| U.S. NIOSH: Pocket Guide to Chemical Hazards |
|-----------------|-----------------|--------------|
| Components                      | Type | Value | Form |
| Sulfuric acid (CAS 7664-93-9)  | TWA  | 1 mg/m³ | Not applicable |

Biological limit values
No biological exposure limits noted for the ingredient(s)

Appropriate engineering controls
Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eyewash facilities and emergency shower must be available when handling this product.

Individual protection measures, such as personal protective equipment

Eye/face protection
Wear safety glasses with side shields (or goggles) and a face shield. Provide an emergency eyewash fountain and quick-drench shower in the immediate work area.

Skin protection

Hand protection
Wear appropriate chemical-resistant gloves. Advice should be sought from glove suppliers.

Other
Wear appropriate chemical-resistant clothing.

Respiratory protection
In case of insufficient ventilation, wear suitable respiratory equipment. Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fumes at levels exceeding the exposure limits. Advice should be sought from respiratory protection suppliers.

Material name: Sulfuric Acid N; R-0686; R-0686O; R-0686P

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Thermal hazards
When necessary, wear appropriate thermal protective clothing.

General hygiene considerations
Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking and/or smoking. Routinely wash work clothing and protective equipment to remove contamination.

9. Physical and chemical properties

Appearance

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Liquid</td>
</tr>
<tr>
<td>Form</td>
<td>Liquid</td>
</tr>
<tr>
<td>Color</td>
<td>Clear colorless or nearly colorless</td>
</tr>
<tr>
<td>Odor</td>
<td>Odorless</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>Not available</td>
</tr>
<tr>
<td>pH</td>
<td>0.6</td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>Not available</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>230°F (110°C)</td>
</tr>
<tr>
<td>Flash point</td>
<td>Not applicable (does not burn)</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

Upper/lower flammability or explosive limits

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flammability limit, lower (%)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Flammability limit, upper (%)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Explosive limit, lower (%)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Explosive limit, upper (%)</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

Vapor pressure
17 mm Hg

Vapor density
0.6

Relative density
1.03 g/cm³

Solubility(ies)

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solubility (water)</td>
<td>Soluble in all proportions</td>
</tr>
<tr>
<td>Partition coefficient (n-octanol/water)</td>
<td>Not available</td>
</tr>
</tbody>
</table>

Auto-ignition temperature
Not applicable

Decomposition temperature
Not available

Viscosity
Not available

Other information

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Explosive properties</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Percent volatile</td>
<td>100%</td>
</tr>
<tr>
<td>Specific gravity</td>
<td>1.03</td>
</tr>
</tbody>
</table>

10. Stability and reactivity

Reactivity
This product is stable and nonreactive under normal conditions of use, storage, transport.

Chemical stability
Material is stable under normal conditions. Decomposes at ~ 644°F (340°C) to form sulfur trioxide.

Possibility of hazardous reactions
No dangerous reaction known under conditions of normal use

Conditions to avoid
Contact with incompatible materials. Direct sunlight. Do not use in areas without adequate ventilation.
Incompatible materials

Hazardous decomposition products
None known. For hazardous combustion products, refer to section 5 of the SDS.

11. Toxicological information
Information on likely routes of exposure

| Ingestion | Causes digestive tract burns |
| Skin contact | Causes severe skin burns |
| Eye contact | Causes serious eye damage |

Most important symptoms/effects, acute and delayed
Direct skin contact may cause corrosive skin burns, deep ulcerations, and possibly permanent scarring. Direct contact with concentrated solutions may be corrosive to the eyes and may cause severe damage, including blindness. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

Inhalation of mists can cause severe respiratory irritation. Symptoms may include coughing, choking, and wheezing. Inhalation could result in pulmonary edema (fluid accumulation). Symptoms of pulmonary edema (chest pain, shortness of breath) may be delayed.

Ingestion may produce burns to the lips, oral cavity, upper airway, esophagus, and possibly the digestive tract. Symptoms may include abdominal pain, vomiting, burns, perforations, bleeding.

Acute toxicity
This product is not classified as an acute toxicity hazard. See below for individual ingredient acute toxicity data.

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sulfuric acid (CAS 7664-93-9)</td>
<td>Acute Dermal</td>
<td>Rabbit</td>
</tr>
<tr>
<td>LD₅₀</td>
<td>Not available</td>
<td></td>
</tr>
<tr>
<td>Inhalation LC₅₀</td>
<td>Rat</td>
<td>0.375 mg/L, 4 hours (mist)</td>
</tr>
<tr>
<td>Oral</td>
<td>Rat</td>
<td>2140 mg/kg</td>
</tr>
<tr>
<td>Deionized water (CAS 7732-18-5)</td>
<td>Acute Dermal</td>
<td>Rabbit</td>
</tr>
<tr>
<td>LD₅₀</td>
<td>Not available</td>
<td></td>
</tr>
<tr>
<td>Inhalation LC₅₀</td>
<td>Rat</td>
<td>Not available</td>
</tr>
<tr>
<td>Oral</td>
<td>Rat</td>
<td>&gt;89640 mg/kg</td>
</tr>
</tbody>
</table>

Not regulated
Reproductive toxicity
This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity, single exposure
May cause respiratory irritation

Specific target organ toxicity, repeated exposure
Not classified as a specific target organ toxicity – repeated exposure

Aspiration toxicity
Not expected to be an aspiration hazard

Chronic effects
Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.

12. Ecological information
Ecotoxicity
This product is not classified as environmentally hazardous; however, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sulfuric acid (CAS 7664-93-9)</td>
<td>Algae</td>
<td>EC₅₀ Green algae <em>(Pseudokirchneriella subcapitata)</em> &gt;100 mg/L, 72 hours</td>
</tr>
<tr>
<td></td>
<td>Crustacea</td>
<td>EC₅₀ Water flea <em>(Daphnia magna)</em> 29 mg/L, 24 hours</td>
</tr>
<tr>
<td></td>
<td>Fish</td>
<td>LC₅₀ Bluegill <em>(Lepomis macrochirus)</em> 16–28 mg/L, 96 hours</td>
</tr>
</tbody>
</table>

Persistence and degradability
Not available

Bioaccumulative potential
Not available

Mobility in soil
Not available

Other adverse effects
No other adverse environmental effects (e.g., ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations
Disposal instructions
Collect and reclaim or dispose of in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.

Local disposal regulations
Dispose of in accordance with all applicable regulations.

Hazardous waste code
The waste code should be assigned in discussion with the user, the producer, and the waste disposal company.

Waste from residues/unused products
Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (refer to Disposal instructions).

Contaminated packaging
Empty containers should be taken to an approved waste-handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transportation information

DOT
- UN number: UN2796
- UN proper shipping name: Sulphuric acid
- Transport hazard class(es): Class 8
  - Subsidiary risk: Not listed
  - Label(s): 8
- Packing group: II
- Special precautions for user: Read safety instructions, SDS, and emergency procedures before handling.
- Special provisions: A3, A7, B15, IB2, N6, N34, T8, TP2, TP12
- Packaging exceptions: 154
- Packaging, non-bulk: 202
- Packaging, bulk: 242

IATA
- UN number: UN2796
- UN proper shipping name: Sulphuric acid
- Transport hazard class(es): Class 8
Subsidiary risk: Not listed
Packing group: II
Environmental hazards: Not listed
ERG code: 8L
Special precautions for user: Read safety instructions, SDS, and emergency procedures before handling.

Other information:
- Passenger and cargo aircraft: Allowed
- Cargo aircraft only: Allowed

IMDG
- UN number: UN2796
- UN proper shipping name: Sulphuric acid
- Transport hazard class(es):
  - Class: 8
  - Subsidiary risk: Not listed
- Packing group: II
- Environmental hazards: Not listed
- Marine pollutant: Not listed
- EmS: F-A, S-B
- Special precautions for user: Read safety instructions, SDS, and emergency procedures before handling.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
- This substance/mixture is not intended to be transported in bulk.

15. Regulatory information

U.S. federal regulations
- This product is a “Hazardous Chemical” as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
- All components are on the U.S. EPA TSCA Inventory list.

  TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)
  - Not regulated

  CERCLA Hazardous Substance (40 CFR 302.4)
  - Sulfuric acid (CAS 7664-93-9)

  SARA 304 Emergency Release Notification
  - Sulfuric acid (CAS 7664-93-9) 1000 lb.

  - Not regulated

  Superfund Amendments and Reauthorization Act of 1986 (SARA)
  - Hazard categories:
    - Immediate hazard – yes
    - Delayed hazard – no
    - Fire hazard – no
    - Pressure hazard – no
    - Reactivity hazard – yes
SARA 302 Extremely Hazardous Substance

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS number</th>
<th>Reportable quantity (lb.)</th>
<th>Threshold planning quantity (lb.)</th>
<th>Threshold planning quantity lower value</th>
<th>Threshold planning quantity upper value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sulfuric acid</td>
<td>7664-93-9</td>
<td>1000</td>
<td>1000</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

SARA 311/312 Hazardous Chemical
Not regulated

SARA 313 (TRI reporting)

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS number</th>
<th>% by weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sulfuric acid</td>
<td>7664-93-9</td>
<td>0.1–5</td>
</tr>
</tbody>
</table>

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs)
Not regulated

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)
Sulfuric acid (CAS 7664-93-9)

Safe Drinking Water Act (SDWA)
Not regulated

Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) and Chemical Code Number
Sulfuric acid (CAS 7664-93-9) 6552

Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))
Sulfuric acid (CAS 7664-93-9) 20% W/V

DEA Exempt Chemical Mixtures Code Number
Sulfuric acid (CAS 7664-93-9) 6552

U.S. state regulations

California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)
Not regulated

Massachusetts Right-to-Know Act
Sulfuric acid (CAS 7664-93-9)

New Jersey Worker and Community Right-to-Know Act
Sulfuric acid (CAS 7664-93-9)

Pennsylvania Worker and Community Right-to-Know Act
Sulfuric acid (CAS 7664-93-9)

Rhode Island Right-to-Know Act
Sulfuric acid (CAS 7664-93-9)

California Proposition 65
California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

California Proposition 65 - CRT: Listed date/carcinogenic substance
Sulfuric acid (CAS 7664-93-9) This product is not an inorganic acid mist containing sulfuric acid; therefore, the Proposition 65 statement does not apply.
<table>
<thead>
<tr>
<th>Country(ies) or region</th>
<th>Inventory name</th>
<th>On inventory (yes/no)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australia</td>
<td>Australian Inventory of Chemical Substances (AICS)</td>
<td>yes</td>
</tr>
<tr>
<td>Canada</td>
<td>Domestic Substances List (DSL)</td>
<td>yes</td>
</tr>
<tr>
<td>Canada</td>
<td>Non-Domestic Substances List (NDSL)</td>
<td>no</td>
</tr>
<tr>
<td>China</td>
<td>Inventory of Existing Chemical Substances Produced or Imported in China (IECSC)</td>
<td>yes</td>
</tr>
<tr>
<td>Europe</td>
<td>European Inventory of Existing Commercial Chemical Substances (EINECS)</td>
<td>yes</td>
</tr>
<tr>
<td>Europe</td>
<td>European List of Notified Chemical Substances (ELINCS)</td>
<td>no</td>
</tr>
<tr>
<td>Japan</td>
<td>Existing and New Chemical Substances (ENCS)</td>
<td>yes</td>
</tr>
<tr>
<td>Korea</td>
<td>Existing Chemicals List (ECL)</td>
<td>yes</td>
</tr>
<tr>
<td>New Zealand</td>
<td>New Zealand Inventory of Chemicals (NZIoC)</td>
<td>yes</td>
</tr>
<tr>
<td>Philippines</td>
<td>Philippine Inventory of Chemicals and Chemical Substances (PICCS)</td>
<td>yes</td>
</tr>
<tr>
<td>United States &amp; Puerto Rico</td>
<td>Toxic Substances Control Act (TSCA)</td>
<td>yes</td>
</tr>
</tbody>
</table>

*A "yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(ies).

A "no" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(ies).

16. Other information, including date of preparation or last revision

List of abbreviations

- ACGIH: American Conference of Governmental Industrial Hygienists
- AICS: Australian Inventory of Chemical Substances
- CAA: Clean Air Act
- CAS: Chemical Abstract Services
- CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act
- CFR: Code of Federal Regulations
- CSA: Canadian Standards Association
- DEA: Drug Enforcement Agency
- DOT: Department of Transportation
- DSL: Domestic Substances List
- EC: effective concentration
- ECL: Existing Chemicals List
- EINECS: European Inventory of Existing Commercial Chemical Substances
- ELINCS: European List of Notified Chemical Substances
- ENCS: Existing and New Chemical Substances
- EPA: Environmental Protection Agency
- HAP: hazardous air pollutants
- HMIS: Hazardous Materials Identification System
- HNOC: hazards not otherwise classified
- HPA: Hazardous Products Act
- HSDB: Hazardous Substances Data Bank
- IARC: International Agency for Research on Cancer
- IATA: International Air Transport Association
- IBC Code: International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk
- ICAO: International Civil Aviation Organization
- IECSC: Inventory of Existing Chemical Substances Produced or Imported in China
- IMDG: International Maritime Dangerous Goods
- IUCLID: International Uniform Chemical Information Database
- LC: lethal concentration
- LD: lethal dose
- MARPOL: marine pollution
- MSHA: Mine Safety and Health Administration
- NDSL: Non-Domestic Substances List
- NFPA: National Fire Protection Association
- NIOSH: National Institute of Occupational Safety and Health
- NOEC: no observable effect concentration
- NTP: National Toxicology Program
- NZIoC: New Zealand Inventory of Chemicals
- OECD: Organisation for Economic Co-operation and Development
- OEL: occupational exposure limits
- OSHA: Occupational Safety and Health Administration
- PEL: permissible exposure limits
Disclaimer

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Issue date

May 2015

Last revision

May 2015