Safety Data Sheet

9 Mix metal standard solution

Version: V2.0.0.1

Report No.: BWB2266-2016-MSDS-US

Creation Date: 2025/10/09

Revision Date: -



*Prepared according to American OSHA HCS-2024 (29 CFR 1910.1200)

| 1 | Identification |
|---|----------------|
|---|----------------|

| Product identifier

| Product Name | 9 Mix metal standard solution |
|-------------------|-------------------------------|
| Cat No. | BWB2266-2016 |
| CAS No. | Not applicable |
| EC No. | Not applicable |
| Molecular Formula | Not applicable |

Recommended use of the product and restrictions on use

| Relevant identified uses | Please consult manufacturer. |
|--------------------------|------------------------------|
| Uses advised against | Please consult manufacturer. |

Details of the supplier of the Safety Data Sheet

| Name of the company | Weiyel Inc |
|------------------------|--|
| Address of the company | Hedian Light Industrial Park, Chengguan Town, Shangcheng County, Xinyang |
| | City, Henan Province, China |
| Post code | 465350 |
| Telephone number | 010-58103678 |
| Fax number | 010-84840368 |
| E-mail address | info@weiyel.com |

| Emergency phone number

| Emergency phone number | 010-58103678 |
|------------------------|--------------|

2 Hazard(s) identification

Hazard classification according to 29 CFR 1910.1200

| Skin corrosion/irritation | Category 1C |
|---------------------------------|-------------|
| Sensitization - skin | Category 1 |
| Serious eye damage/irritation | Category 1 |
| Acute Toxicity - Inhalation | Category 1 |
| Carcinogenicity | Category 1B |
| Reproductive toxicity | Category 1 |
| Reproductive Toxicity - effects | Additional |
| on or via lactation | |

| Label elements

Signal word Danger

Hazard statements

| H314 | Causes severe skin burns and eye damage |
|------|---|
| H317 | May cause an allergic skin reaction |
| H318 | Causes serious eye damage |
| H330 | Fatal if inhaled |
| H350 | May cause cancer |
| H360 | May damage fertility and the unborn child |
| H362 | May cause harm to breast-fed children |

| Precautionary statements

Prevention

| Prevention | | | |
|---|---|--|--|
| P201 | Obtain special instructions before use. | | |
| P202 | Do not handle until all safety precautions have been read and understood. | | |
| P260 | Do not breathe gas/mist/vapour/spray. | | |
| P263 | Avoid contact during pregnancy and while nursing. | | |
| P264 | Wash hands and other parts of the body (if related) thoroughly after handling. | | |
| P270 | Do not eat, drink or smoke when using this product. | | |
| P271 | Use only outdoors or with adequate ventilation. | | |
| P272 | Contaminated work clothing should not be allowed out of the workplace. | | |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection/hearing protection. | | |
| P284 | In case of inadequate ventilation wear respiratory protection. | | |
| ◆ Response | | | |
| P320 | Specific treatment is urgent (see related instructions on the label). | | |
| P321 Specific treatment (see related instructions on the label). | | | |
| P363 | Wash contaminated clothing before reuse. | | |
| P302+P352 | IF ON SKIN: Wash with plenty of water. | | |
| P304+P340 | IF INHALED: Remove person to fresh air and keep comfortable for breathing. | | |
| P362+P364 | Take off contaminated clothing and wash it before reuse. | | |
| 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 | | |
| | affected areas with water [or shower]. | | |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact | | |
| | lenses, if present and easy to do. Continue rinsing. | | |
| Storage | | | |
| | | | |

| P405 | Store locked up. |
|------------|--|
| P403+P233 | Store in a well-ventilated place. Keep container tightly closed. |
| A Discount | |

Disposal

P501 Dispose of contents/container in accordance with local/regional/national/

international regulations.

Other hazards

Not applicable.

| Hazard description

Physical and chemical hazards

No information available

Health hazards

| Inhaled | Inhalation of vapours or aerosols (mists, fumes), generated by the product during |
|--------------|--|
| | the course of normal handling, may produce severely toxic effects; these may be |
| | fatal. Corrosive product can cause irritation of the respiratory tract, with coughing, |
| | choking and mucous membrane damage. |
| Ingestion | Accidental ingestion of the product may be harmful to the health of the individual. |
| Skin Contact | The product may cause an allergic skin reaction following direct contact with the |
| | skin. The product can cause severe skin burns following direct contact with the |
| | skin. |
| Eye | The product can produce severe chemical burns to the eye following direct |
| | contact. If timely and appropriate treatment is not available may cause permanent |
| | blindness. |

Please refer to 12th chapter of SDS.

3 Composition/information on ingredients

Substance/mixture

Mixture

| Component | CAS No. | EC No. | Concentration (wt, %) |
|-------------|-----------|-----------|-----------------------|
| Copper | 7440-50-8 | 231-159-6 | 0.1 |
| Lead | 7439-92-1 | 231-100-4 | 0.1 |
| Zinc | 7440-66-6 | 231-175-3 | 0.1 |
| Cadmium | 7440-43-9 | 231-152-8 | 0.1 |
| Iron | 7439-89-6 | 231-096-4 | 0.1 |
| Manganese | 7439-96-5 | 231-105-1 | 0.1 |
| Nickel | 7440-02-0 | 231-111-4 | 0.1 |
| Aluminium | 7429-90-5 | 231-072-3 | 0.1 |
| Silver | 7440-22-4 | 231-131-3 | 0.1 |
| Nitric acid | 7697-37-2 | 231-714-2 | 10 |
| Water | 7732-18-5 | 231-791-2 | 89.1 |

4 First-aid measures

| Description of first aid measures

General advice

Immediate medical attention is required. Show this safety data sheet (SDS) to the

| | doctor in attendance. |
|----------------------------|---|
| Eye contact | Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician if feel uncomfortable. |
| Skin contact | Take off contaminated clothing and shoes immediately. Wash off with plenty of soap and water for at least 15 minutes and consult a physician if feel uncomfortable. |
| Ingestion | Never give anything by mouth to an unconscious person. Call a physician or Poison Control Center immediately. |
| Inhalation | Move victim into fresh air. If breathing is difficult, give oxygen. Do not use mouth to mouth resuscitation if victim ingested or inhaled the substance. If not breathing, give artificial respiration and consult a physician immediately. |
| Protecting of first-aiders | Ensure that medical personnel are aware of the substance involved. Take precautions to protect themselves and prevent spread of contamination. |

Most important symptoms/effects, acute and delayed

Substance accumulation, in the human body, may occur and may cause some concern following repeated or long-term occupational exposure.

Indication of any immediate medical attention and special treatment needed

- 1 Treat symptomatically.
- 2 Symptoms may be delayed.

5 Fire-fighting measures

Extinguishing media

| Suitable extinguishing media | Small fire: dry chemical, CO ₂ or water spray; Large fire: dry chemical, CO ₂ , |
|--------------------------------|---|
| | alcohol-resistant foam or water spray; Fire involving tanks, rail tank cars or |
| | highway tanks: Fight fire from maximum distance or use unmanned master |
| | stream devices or monitor nozzles. Cool containers with flooding quantities of |
| | water until well after fire is out. Do not get water inside containers. |
| Unsuitable extinguishing media | No information available. |

Specific hazards arising from the substance or mixture

- 1 Fire may produce irritating, poisonous or corrosive gases.
 - 2 Development of hazardous combustion gases or vapor possible in the event of fire.
- 3 May expansion or decompose explosively when heated or involved in fire.

Special protective equipment and precautions for fire-fighters

- As in any fire, wear self-contained breathing apparatus (MSHA/NIOSH approved or equivalent) and full protective gear.
- 2 Fight fire from a safe distance, with adequate cover.
- 3 Prevent fire extinguishing water from contaminating surface water or the ground water system.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

- 1 Fully encapsulating, vapor protective clothing should be worn for spills and leaks with no fire.
- 2 Do not touch or walk through spilled material.
- 3 Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
- 4 Use personal protective equipment, do not breathe gas/mist/vapour/spray.

Ensure adequate ventilation. Remove all sources of ignition. Take precautionary measures against static discharges.
 Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

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- **Environmental precautions**
- 1 Prevent further leakage or spillage if safe to do so.
- 2 Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up

- 1 Do not touch or cross spills.
- It is recommended that emergency personnel wear a self-contained breathing apparatus with positive pressure and wear anti-corrosion clothing.
- 3 Transfer to a tank truck or special collector with a corrosion-resistant pump.
- 4 Do not touch broken containers and spills before putting on appropriate protective clothing.
- 5 Cut off the source of the leak as much as possible.
- 6 Keep leaks in a ventilated place.
- Absorb spilled material in dry sand or inert absorbent. In case of large amount of spillage, contain a spill by bunding.
- 8 Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment.
- Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container.

7 Handling and storage

Precautions for safe handling

- 1 Handling is performed in a well ventilated place.
- 2 Wear suitable protective equipment.
- 3 Avoid contact with skin and eyes.
- 4 Keep away from heat/sparks/open flames/ hot surfaces.

Conditions for safe storage, including any incompatibilities

- 1 Keep containers tightly closed.
- 2 Keep containers in a dry, cool and well-ventilated place.
- 3 Keep away from heat/sparks/open flames/hot surfaces.
- 4 Store away from incompatible materials and foodstuff containers.

8 Exposure controls/personal protection

Control parameters

Occupational exposure limit values

| Component | Country/Region | Limit value - Eight hours | | Limit value - Short term | |
|-----------|---|---------------------------|------------------|--------------------------|------------------|
| | | ppm | mg/m³ | ppm | mg/m³ |
| Copper | Permissible exposure standards for workers in the workplace | - | 1(dust and mist) | - | 2(dust and mist) |
| | Permissible exposure | - | 0.2(fume) | - | 0.6(fume) |

Nickel

Japan -

| NICKEI | Japan - JSOH(2024–202 5) | - | 1 | - | - |
|-------------|---|---|--------------------------|---|---------------------|
| | Permissible exposure standards for workers in the | - | 1 | - | 2 |
| | workplace | | | | |
| | Australia | - | 1 | - | - |
| | Canada - Ontario | - | 1 | - | - |
| | New Zealand | - | 0.005 | - | - |
| | USA - ACGIH | - | 1.5(inhalable fraction) | - | - |
| Aluminium | Japan - JSOH(2024–202 5) | - | 0.5(respirable dust) | - | - |
| | Japan - JSOH(2024–202 5) | - | 2(total dust) | - | - |
| | Permissible exposure standards for workers in the workplace | - | 5(respirable dust) | - | 10(respirable dust) |
| | Australia | - | 5(powder, pyrophoric) | - | - |
| | Canada - Ontario | 1 | - | - | - |
| | New Zealand | - | 5(pyrophoric powder) | - | - |
| Silver | Japan - JSOH(2024–202 5) | - | 0.01 | - | - |
| | Australia | - | 0.1 | - | - |
| | Canada - Ontario | - | 0.1 | - | - |
| | European Union | - | 0.1 | - | - |
| | New Zealand | - | 0.1 | - | - |
| | USA - ACGIH | - | 0.1(dust and fume) | - | - |
| Nitric acid | Japan - JSOH(2024–202 5) | 2 | 5.2 | - | - |
| | Permissible exposure standards for workers in the workplace | 2 | 5.2 | 4 | 10.4 |
| | Australia | 2 | 5.2 | 4 | 10 |
| | Canada - Ontario | 2 | - | 4 | - |
| | European Union | - | - | 1 | 2.6 |
| | New Zealand | 2 | 5.2 | 4 | 10 |

| Engineering controls

Ensure adequate ventilation, especially in confined areas.

Ensure that eyewash stations and safety showers are close to the workstation location.

- 3 Use explosion-proof electrical/ventilating/lighting/equipment.
- 4 Set up emergency exit and necessary risk-elimination area.

| Personal protection equipment

| General requirement | | | |
|--------------------------|---|--|--|
| Eye protection | Must wear appropriate anti-corrosion goggles. | | |
| Hand protection | Must wear acid and alkali resistant chemical protective gloves. | | |
| Respiratory protection | Must wear appropriate personal dust proof gas mask. | | |
| Skin and body protection | Must wear acid and alkali resistant chemical protective clothing. | | |

9 Physical and chemical properties and safety characteristics

| Physical and chemical properties

| · · · | |
|--|--|
| Appearance (physical state, color, etc.) | Light blue transparent solution with a pungent odor of nitric acid. |
| Odor | No information available |
| Odor threshold | No information available |
| рН | < 1 (Nitric acid) |
| Melting point/freezing point(°C) | -41.6 (Nitric acid) |
| Initial boiling point and boiling | 121 (Nitric acid) |
| range(°C) | |
| Flash point(Closed cup,°C) | No information available |
| Evaporation rate | No information available |
| Flammability | No information available |
| Upper/lower explosive limits[%(v/v)] | Upper limit: No information available; Lower limit: No information available |
| Vapor pressure | 6.4kPa (20°C ,Nitric acid) |
| Vapor density(Air = 1) | 2.2 (Nitric acid) |
| Relative density(Water=1) | 1.4 (Nitric acid) |
| Solubility | 500000mg/L (20 °C,Nitric acid) |
| n-octanol/water partition | -0.21 (Nitric acid) |
| coefficient | |
| Auto-ignition temperature(°C) | No information available |
| Decomposition temperature(°C) | No information available |
| Kinematic viscosity | No information available |

10 Stability and reactivity

| Stability and reactivity

| • | | | |
|--------------------------|---|--|--|
| Reactivity | Contact with incompatible substances can cause decomposition or other chemical reactions. | | |
| | onomical reactions. | | |
| Chemical stability | Stable under proper operation and storage conditions. | | |
| Possibility of hazardous | Reacts severely with halogens, interhalogens or other strong oxidants, or causes | | |
| reactions | a fire. Ultrafine powder will self-ignite in the air at room temperature. In contact | | |

| | with active metals (alkali metals, Na, Ca etc.) causes a reaction and release hydrogen. |
|----------------------------------|--|
| Conditions to avoid | Incompatible materials, heat, flame and spark. |
| Incompatible materials | Halogen, interhalogen, strong oxidant, water and acids. Oxidants, halogen, interhalogen and mercury. Alkali, sodium, calcium, and other active metal, halogen, metal oxide, nonmetal oxide, acyl halide and metal phosphide. |
| Hazardous decomposition products | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |

11 Toxicological information

Acute toxicity

| Component | LD ₅₀ (oral) | LD ₅₀ (dermal) | LC ₅₀ (inhalation,4h) |
|-----------|-------------------------|---------------------------|----------------------------------|
| Cadmium | 2330mg/kg(Rat) | No information available | No information available |
| Iron | 30000mg/kg(Rat) | No information available | No information available |
| Manganese | 9000mg/kg(Rat) | No information available | No information available |

| Carcinogenicity

| Component | List of carcinogens by | Report on Carcinogens | OSHA Carcinogen List |
|-------------|------------------------|-----------------------|----------------------|
| | the IARC Monographs | by NTP | |
| Copper | Not Listed | Not Listed | Not Listed |
| Lead | Category 2B | Category R | Not Listed |
| Zinc | Not Listed | Not Listed | Not Listed |
| Cadmium | Category 1 | Category K | Listed |
| Iron | Not Listed | Not Listed | Not Listed |
| Manganese | Not Listed | Not Listed | Not Listed |
| Nickel | Category 2B | Category R | Not Listed |
| Aluminium | Not Listed | Not Listed | Not Listed |
| Silver | Not Listed | Not Listed | Not Listed |
| Nitric acid | Not Listed | Not Listed | Not Listed |
| Water | Not Listed | Not Listed | Not Listed |

Others

| 9 Mix metal standard solution | | | |
|-------------------------------|--|--|--|
| Skin corrosion/irritation | Causes severe skin burns and eye damage(Category 1C) | | |
| Serious eye damage/irritation | Causes serious eye damage(Category 1) | | |
| Skin sensitization | May cause an allergic skin reaction(Category 1) | | |
| Respiratory sensitization | Based on available data, the classification criteria are not met | | |
| Reproductive toxicity | May damage fertility and the unborn child(Category 1); May cause harm to breast-fed children(Additional) | | |
| STOT-repeated exposure | Based on available data, the classification criteria are not met | | |
| Aspiration hazard | Based on available data, the classification criteria are not met | | |
| Germ cell mutagenicity | Based on available data, the classification criteria are not met | | |

12 Ecological information

| Acute aquatic toxicity

| Component | Fish | Crustaceans | Algae or other aquatic |
|-----------|--|-------------------------------|---------------------------------|
| | | | plants |
| Silver | LC ₅₀ : 0.0012mg/L | EC ₅₀ : 0.0092mg/L | ErC ₅₀ : 0.00198mg/L |
| | (96h)(Fish) | (48h)(Crustaceans) | (96h)(Algae) |
| Lead | LC ₅₀ : 2.8mg/L (96h)(Fish) | No information available | No information available |
| Cadmium | LC ₅₀ : 7.8mg/L (96h)(Fish) | EC ₅₀ : 0.58mg/L | No information available |
| | | (48h)(Crustaceans) | |
| Copper | LC ₅₀ : 0.665mg/L | EC ₅₀ : 0.02mg/L | ErC ₅₀ : 7.9mg/L |
| | (96h)(Fish) | (48h)(Crustaceans) | (96h)(Algae) |
| Aluminium | LC ₅₀ : 1.55mg/L | No information available | No information available |
| | (96h)(Fish) | | |
| Iron | LC ₅₀ : 1.29mg/L | No information available | No information available |
| | (96h)(Fish) | | |
| Nickel | LC ₅₀ : 40mg/L (96h)(Fish) | EC ₅₀ : 1mg/L | No information available |
| | | (48h)(Crustaceans) | |
| Manganese | LC ₅₀ : 1800mg/L | EC ₅₀ : 40mg/L | No information available |
| | (96h)(Fish) | (48h)(Crustaceans) | |
| Zinc | LC ₅₀ : 2.01mg/L | EC ₅₀ : 1.33mg/L | No information available |
| | (96h)(Fish) | (48h)(Crustaceans) | |

| Chronic aquatic toxicity

Chronic aquatic toxicity

No information available

| Persistence and degradability

| Component | Persistence (water/soil) | Persistence (air) |
|-----------|--------------------------|-------------------|
| Nickel | Low | Low |

| Bioaccumulative potential

| Component | Bioaccumulative potential | Comments | | | | |
|-----------|---------------------------|---------------|--|--|--|--|
| Nickel | Low | Log Kow=-1.38 | | | | |

Mobility in soil

| Component | log Koc | Remark |
|-----------|---------|--------|
| Nickel | 1.155 | |

13 Disposal considerations

| Disposal considerations

| Waste chemicals | Before disposal should refer to the relevant national and local laws and |
|--------------------------|---|
| | regulation. Recommend the use of incineration disposal. |
| Contaminated packaging | Containers may still present chemical hazard when empty. Keep away from hot |
| | and ignition source of fire. Return to supplier for recycling if possible. |
| Disposal recommendations | Refer to section waste chemicals and contaminated packaging. |

14 Transport information

Label and Mark

Transporting Label



IMDG-CODE

| UN number | 3264 |
|--------------------------------|---|
| UN proper shipping name | CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. |
| Transport hazard class | 8 |
| Transport subsidiary hazard | None |
| class | |
| Packing group | ш |
| Marine pollutant (Yes or no) | No |
| | |

IATA-DGR

| UN number | 3264 |
|-----------------------------|---|
| UN proper shipping name | CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. |
| Transport hazard class | 8 |
| Transport subsidiary hazard | None |
| class | |
| Packing group | ш |

UN-ADR

| UN number | 3264 |
|-----------------------------|---|
| UN proper shipping name | CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. |
| Transport hazard class | 8 |
| Transport subsidiary hazard | None |
| class | |
| Packing group | ш |

Transport in bulk according to IMO instruments

◆ Transport in bulk according to Annex II of MARPOL and the IBC code

Not Available

◆ Transport in bulk in accordance with MARPOL Annex V and the IMSBC Code

Not Available

◆ Transport in bulk in accordance with the IGC Code

Not Available

Others

| Precautions for transport | Transport vehicles should be equipped with the appropriate variety and quantity of fire equipment and emergency equipment leakage during transport. Before |
|---------------------------|--|
| | transport, should be preceded by checking whether container integrity, sealing. The transport unit must be placarded and marked in accordance with relevant |
| | transporting requirements. |

15 Regulatory information

International chemical inventory

| Component | A | В | С | D | Е | F | G | Н | I | J | K | L | М |
|-------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Copper | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| Lead | √ | √ | √ | √ | √ | √ | V | √ | × | √ | √ | √ | √ |
| Zinc | √ | √ | √ | √ | √ | √ | √ | √ | × | √ | √ | √ | √ |
| Cadmium | √ | √ | √ | √ | √ | √ | √ |
| Iron | √ | √ | √ | √ | √ | √ | V | √ | √ | √ | √ | √ | √ |
| Manganese | √ | √ | √ | √ | √ | √ | V | √ | √ | √ | √ | √ | √ |
| Nickel | √ | √ |
| Aluminium | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| Silver | √ | √ | √ | √ | √ | √ | √ | √ | × | √ | √ | √ | √ |
| Nitric acid | √ | √ | √ | √ | √ | √ | √ | √ | V | √ | √ | √ | √ |
| Water | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |

- [A] China Inventory of Existing Chemical Substances(IECSC)
- [B] European Inventory of Existing Commercial Chemical Substances(EC inventory)
- [C] United States Toxic Substances Control Act Inventory(TSCA)
- [D] Canadian Domestic Substances List(DSL)
- [E] New Zealand Inventory of Chemicals(NZIoC)
- [F] Philippines Inventory of Chemicals and Chemical Substances(PICCS)
- 【G】 Korea Existing Chemicals Inventory(KECL)
- [H] Australian. Inventory of Industrial Chemical (AIICS)
- [1] Japan Inventory of Existing & New Chemical Substances(ENCS)
- [J] Thailand Existing Chemicals Inventory(TECI)
- [K] Mexico National Inventory of Chemical Substances (INSQ)
- [L] Russia Inventory of Existing Substances (DRAFT)
- [M] Inventory of Existing Chemical Substances in Taiwan, China (TCSI)

List of Chemical Substances under International Conventions

| Component | Α | В | С |
|-------------|---|---|---|
| Copper | × | × | × |
| Lead | × | × | × |
| Zinc | × | × | × |
| Cadmium | × | × | × |
| Iron | × | × | × |
| Manganese | × | × | × |
| Nickel | × | × | × |
| Aluminium | × | × | × |
| Silver | × | × | × |
| Nitric acid | × | × | × |
| Water | × | × | × |

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- [B] Stockholm Convention on Persistent Organic Pollutants (POPs)
- [C] Rotterdam Convention on the prior informed consent procedure for certain hazardous chemicals and pesticides in international trade

US chemical inventory

| Component | A | В | С | D | E | F | G | Н |
|-------------|---|----------|----------|----------|----------|----------|----------|----------|
| Copper | × | × | √ | √ | √ | √ | √ | × |
| Lead | √ | × | √ | √ | √ | √ | √ | × |
| Zinc | × | × | √ | √ | √ | √ | √ | × |
| Cadmium | √ | × | √ | √ | √ | √ | √ | × |
| Iron | × | × | × | × | × | × | × | × |
| Manganese | √ | × | × | √ | √ | √ | √ | × |
| Nickel | √ | √ |
| Aluminium | × | × | × | √ | √ | √ | √ | × |
| Silver | × | × | V | V | √ | √ | √ | × |
| Nitric acid | × | √ | √ | √ | √ | √ | √ | × |
| Water | × | × | × | × | × | × | × | × |

- [A] US Clean Air Act (CAA)- Section 112, Hazardous Air Pollutants
- [B] US SARA 302- Extremely Hazardous Substance List
- [C] US CERCLA- Hazardous Substances List
- [D] US Massachusetts Right-to-Know Substance List
- [E] US New Jersey Right to Know Hazardous Substance List
- [F] US Pennsylvania Right to Know Hazardous Substance List
- [G] US New York City Right-to-Know Hazardous Substance List
- [H] US California Proposition 65 List

Note:

- " $\sqrt{}$ " Indicates that the substance included in the regulations.
- "x" No data or not included in the regulations.

16 Other information

Information on revision

| Creation Date | 2025/10/09 |
|---------------------|------------|
| Revision Date | - |
| Reason for revision | - |

Reference

- [1] IPCS: The International Chemical Safety Cards (ICSC), website: http://www.ilo.org/dyn/icsc/showcard.home.
- [2] IARC, website: http://www.iarc.fr/.
- [3] OECD: The Global Portal to Information on Chemical Substances, website: https://www.echemportal.org/echemportal/.
- [4] CAMEO Chemicals, website: http://cameochemicals.noaa.gov/search/simple.
- [5] NLM: ChemIDplus, website: http://chem.sis.nlm.nih.gov/chemidplus/chemidlite.jsp.
- [6] EPA: Integrated Risk Information System, website: http://cfpub.epa.gov/iris/.
- [7] U.S. Department of Transportation: ERG, website: http://www.phmsa.dot.gov/hazmat/library/erg.
- [8] Germany GESTIS-database on hazard substance, website: http://gestis-en.itrust.de/.

Abbreviations and acronyms

CAS Chemical Abstracts Service UN The United Nations

PC-STEL Short term exposure limit OECD Organization for Economic Co-operation and Development

Disclaimer

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