# SAFETY DATA SHEET

## 1. Identification

| | |
|---|---|
| **Product identifier** | **Chromate Indicator** |
| **Product code** | R-0630 |
| **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<br>Sparks, MD 21152<br>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** This mixture does not meet the classification criteria according to OSHA HazCom 2012.

**Health hazards**

| | |
|---|---|
| Carcinogenicity | Category 1 |
| Eye damage/irritation | Category 1 |
| Germ cell mutagenicity | Category 1 |
| Reproductive toxicity | Category 2 |
| Sensitization, respiratory | Category 1 |
| Sensitization, skin | Category 1 |
| Skin corrosion/irritation | Category 1 |
| 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 cause cancer. Causes serious eye damage. May cause genetic defects. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause allergic skin reaction. May cause respiratory irritation.

**Precautionary statement**

**Prevention** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection. Wash skin thoroughly after handling. Do not eat, drink, or smoke when using this product. Suspected of damaging fertility or the unborn child. Do not breathe mist or vapor. In case of inadequate ventilattion use a NIOSH approved respirator and seek advice from a respiratory protection specialist. Contaminated work clothing must not be allowed out of the workplace.

**Response** IF EXPOSED OR CONCERNED: Get medical advice/attention.

IF SWALLOWED: Rinse mouth. Do not induce vomiting. Call a physician or poison control center if you feel unwell.

IF ON SKIN (OR HAIR): Wash with plenty of water. Take off immediately all contaminated clothing. Rinse skin with water/shower.

IF SKIN IRRITATION OR RASH OCCURS: Get medical advice/attention.

Wash contaminated clothing before reuse.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. If breathing is difficult, remove person to fresh air and keep comfortable for breathing.

IF EXPERIENCING RESPIRATORY SYMPTOMS: Call a physician or poison control center.

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. Store in a well-ventilated place. Keep container tightly closed.

**Disposal** Dispose of contents/container in accordance with local/regional/national/international regulations.

**Hazard(s) not otherwise classified** None

**Supplemental information** None

## 3. Composition/information on ingredients

**Mixtures**

| Chemical name | Common name and synonyms | CAS number | % |
|---|---|---|---|
| Deionized water | Dihydrogen oxide | 7732-18-5 | 95–99 |
| Potassium chromate | | 7789-00-6 | 0.1–5 |

## 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 severe irritation. Symptoms may include redness, edema, drying, defatting, and cracking of the skin. May cause allergic skin reaction. Symptoms may include redness and itching.

Direct contact with concentrated solutions may be harmful 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. May cause allergic respiratory reaction. Symptoms may include persistent coughing, shortness of breath, coughing up blood, and wheezing.

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.

May cause central nervous system problems. Symptoms may include pain, headache, nausea, vomiting, dizziness, drowsiness, and other central nervous system problems.

Possible birth defect hazard. May cause birth defects, based on animal data.

Possible germ cell hazard. May cause heritable genetic damage, based on animal data.

Possible cancer hazard. May cause cancer, based on animal data.

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

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

## 5. Firefighting measures

| | |
|---|---|
| **Suitable extinguishing media** | Water fog. Water spray. |
| **Unsuitable extinguishing media** | Do not use carbon dioxides or other smothering agents, as they may be ineffective in fires involving oxidizers. Do not use water jet as an extinguisher, as this will spread the fire. |
| **Specific hazards arising from the chemical** | Increases the burning rate of combustible materials. 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. Oxidizer. May intensify fire. Contact with combustible material may cause fire. |
| **Hazardous combustion products** | Carbon oxides. Potassium 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** | Keep combustibles away from spilled material.<br>Large Spills: Ventilate the area. Stop leak if it can be done without risk. 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. Do not use combustible absorbents, such as sawdust. Prevent entry into waterways, sewer, basements, or confined areas. Following product recovery, flush area with water.<br>Small Spills: Absorb spillage with noncombustible, absorbent material. Clean surface thoroughly to remove residual contamination.<br>Never return spills to original containers for reuse. For waste disposal, refer to section 13 of the SDS. Contaminated absorbent material may pose the same hazards as the spilled product.<br>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** | Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Pregnant or breastfeeding women must not handle this product.<br>Use only outdoors or in a well-ventilated area. Wear appropriate personal protective equipment. Do not breathe mist or vapor. Do not get in eyes, on skin, or on clothing. When using, do not eat, drink, or smoke. Keep away from combustible material and other incompatibles. Keep away from extreme heat and direct flame. Avoid prolonged exposure. Wash skin thoroughly after handling. For personal protective equipment, refer to section 8 of the SDS. Observe good industrial hygiene practices. Label containers appropriately. |
| **Conditions for safe storage, including any incompatibilities** | Store locked up. Store in a cool, dry place out of direct sunlight. Store in original tightly closed container. Store in a well-ventilated place. Store away from incompatible and combustible materials (refer to section 10 of the SDS). |

## 8. Exposure controls/personal protection

**Occupational exposure limits**

**U.S. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1096)**

| Components | Type | Value | Form |
|---|---|---|---|
| Potassium chromate (CAS 7789-00-6) | TWA | 0.005 mg/m$^3$ | as Cr(VI) |

**U.S. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**

| Components | Type | Value | Form |
|---|---|---|---|
| Potassium chromate (CAS 7789-00-6) | PEL | 5 mg/m$^3$ | as Cr(VI) |

**U.S. OSHA Table Z-2 (29 CFR 1910.1000)**

| Components | Type | Value | Form |
|---|---|---|---|
| Potassium chromate (CAS 7789-00-6) | Ceiling | 0.1 mg/m$^3$ | as $CrO_3$ |

**U.S. ACGIH Threshold Limit Values**

| Components | Type | Value | Form |
|---|---|---|---|
| Potassium chromate (CAS 7789-00-6) | TWA | 0.05 mg/m$^3$ | as Cr |

**Biological limit values**

**U.S. ACGIH Biological Exposure Indices**

| Components | Value | Determinant | Specimen | Sampling Time |
|---|---|---|---|---|
| Potassium chromate (CAS 7789-00-6) | 25 µg/L | Total chromium | Urine | End of shift at end of week |
| | 10 µg/L | Total chromium | Urine | During shift |

**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 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.

**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**

**Physical state** Liquid

**Form** Liquid

**Color** Light yellow

**Odor** Odorless

**Odor threshold** Not available

**pH** 9.1

**Melting point/freezing point** Not available

**Initial boiling point and boiling range** 212–215°F (100–101.67°C)

**Flash point** Not applicable (does not burn)

**Evaporation rate** Not available

**Flammability (solid, gas)** Not applicable

| | |
|---|---|
| **Upper/lower flammability or explosive limits** | |
| **Flammability limit, lower (%)** | Not applicable |
| **Flammability limit, upper (%)** | Not applicable |
| **Explosive limit, lower (%)** | Not applicable |
| **Explosive limit, upper (%)** | Not applicable |
| **Vapor pressure** | 17 mm Hg |
| **Vapor density** | 0.6 |
| **Relative density** | 1.04 g/cm$^3$ |
| **Solubility(ies)** | |
| **Solubility (water)** | Soluble in all proportions |
| **Partition coefficient (n-octanol/water)** | Not available |
| **Auto-ignition temperature** | Not applicable |
| **Decomposition temperature** | Not available |
| **Viscosity** | Not available |
| **Other information** | |
| **Explosive properties** | Not applicable |
| **Oxidizing properties** | Not applicable |
| **Percent volatile** | 95% |
| **Specific gravity** | 1.04 |

## 10. Stability and reactivity

| | |
|---|---|
| **Reactivity** | This product is stable and nonreactive under normal conditions of use, storage, and transport. |
| **Chemical stability** | Material is stable under normal conditions. |
| **Possibility of hazardous reactions** | No dangerous reaction known under conditions of normal use. |
| **Conditions to avoid** | High temperatures. Direct sources of heat. Exposure to light. Direct sunlight. Contact with incompatible materials. Do not use in areas without adequate ventilation. Keep away from combustible materials. |
| **Incompatible materials** | Combustible materials. Reducing agents. |
| **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**

| | |
|---|---|
| **Inhalation** | May cause respiratory irritation |
| **Skin contact** | Causes severe skin irritation. May cause allergic skin reaction. |
| **Eye contact** | Causes serious eye damage |
| **Ingestion** | Causes digestive tract burns |
| **Most important symptoms/effects, acute and delayed** | Direct skin contact may cause severe irritation. Symptoms may include redness, edema, drying, defatting, and cracking of the skin. May cause allergic skin reaction. Symptoms may include redness and itching.<br><br>Direct contact with concentrated solutions may be harmful to the eyes and may cause severe damage, including blindness. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.<br><br>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. May cause allergic respiratory reaction. Symptoms may include persistent coughing, shortness of breath, coughing up blood, and wheezing. |

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.

May cause central nervous system problems. Symptoms may include pain, headache, nausea, vomiting, dizziness, drowsiness, and other central nervous system problems.

Possible birth defect hazard. May cause birth defects, based on animal data.

Possible germ cell hazard. May cause heritable genetic damage, based on animal data.

Possible cancer hazard. May cause cancer, based on animal data.

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

| Components | Species | Test Results |
|---|---|---|
| Chromate indicator (CAS 7789-00-6) | | |
| **Acute** | | |
| *Dermal* | | |
| $LD_{50}$ | Rabbit | Not available |
| *Inhalation* | | |
| $LC_{50}$ | Rat | Not available |
| *Oral* | | |
| $LD_{50}$ | Mouse | 180 mg/kg |
| $LD_{LO}$ | Human | 50 mg/kg |
| Deionized water (CAS 7732-18-5) | | |
| **Acute** | | |
| *Dermal* | | |
| $LD_{50}$ | Rabbit | Not available |
| *Inhalation* | | |
| $LC_{50}$ | Rat | Not available |
| *Oral* | | |
| $LD_{50}$ | Rat | >89840 mg/kg |

**Skin corrosion/irritation** Causes severe skin burns and eye damage

**Serious eye damage/eye irritation** Causes serious eye damage

**Respiratory sensitization** May cause allergy or asthma symptoms or breathing difficulties if inhaled

**Skin sensitization** May cause an allergic skin reaction

**Germ cell mutagenicity** May cause genetic defects

**Carcinogenicity** May cause cancer

**IARC Monographs. Overall Evaluation of Carcinogenicity**

| | |
|---|---|
| Potassium chromate (CAS 7789-00-6) | 1 Carcinogenic to humans |

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1096)**

| | |
|---|---|
| Potassium chromate (CAS 7789-00-6) | Cancer |

**U.S. National Toxicology Program (NTP) Report on Carcinogens**

| | |
|---|---|
| Potassium chromate (CAS 7789-00-6) | Known to be human carcinogen |

**Reproductive toxicity** Suspected of damaging fertility or the unborn child

**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** Prolonged inhalation may be harmful.

## 12. Ecological information

**Ecotoxicity** Very toxic to aquatic life

| Components | Species | Test Results |
|---|---|---|
| Potassium chromate (CAS 7789-00-6) | | |
| **Acute** | | |
| *Crustacea* | | |
| $EC_{50}$ | Water flea *(Daphnia magna)* | 0.035 mg/L, 48 hours |
| *Fish* | | |
| $LC_{50}$ | Zebrafish *(Brachydanio rerio)* | 58.5 mg/L, 96 hours |
| **Chronic** | | |
| *Algae* | | |
| NOEC | Green algae *(Scenedesmus subspicatus)* | 0.13 mg/L, 72 hours |
| *Crustacea* | | |
| NOEC | Water flea *(Daphnia magna)* | 18 mg/L, 21 days |
| *Fish* | | |
| NOEC | Guppy *(Poecilia reticula)* | 3.5 mg/L, 28 days |

**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** UN3082
**UN proper shipping name** Environmentally hazardous substances, liquid, N.O.S. (Potassium chromate)
**Transport hazard class(es)**
**Class** 9
**Subsidiary risk** Not listed
**Label(s)** 9
**Packing group** III
**Environmental hazards**
**Marine pollutant** Yes
**Special precautions for user** Read safety instructions, SDS, and emergency procedures before handling.
**Special provisions** 8, 146, 335, IB3, T4, TP1, TP29
**Packaging exceptions** 155
**Packaging, non-bulk** 203
**Packaging, bulk** 241

**IATA**

**UN number** UN3082
**UN proper shipping name** Environmentally hazardous substances, liquid, N.O.S. (Potassium chromate)
**Transport hazard class(es)**
**Class** 9
**Subsidiary risk** Not listed
**Packing group** III
**Environmental hazards** Yes

| | |
|---|---|
| **ERG code** | 9L |
| **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** | UN3082 |
| **UN proper shipping name** | Environmentally hazardous substances, liquid, N.O.S. (Potassium chromate) |
| **Transport hazard class(es)** | |
| **Class** | 9 |
| **Subsidiary risk** | Not listed |
| **Packing group** | III |
| **Environmental hazards** | |
| **Marine pollutant** | Yes |
| **EmS** | F-A, S-F |
| **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.

**DOT; IATA; IMDG**


**Marine pollutant**

## 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)**

| | |
|---|---|
| Potassium chromate | 0.1% Annual Export Notification required |
| (CAS 7789-00-6) | |

**CERCLA Hazardous Substance (40 CFR 302.4)**

Potassium chromate (CAS 7789-00-6)

**SARA 304 Emergency Release Notification**

Not regulated

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1096)**

| | |
|---|---|
| Potassium chromate | Cancer |
| (CAS 7789-00-6) | Eye irritation |
| | Skin sensitization |

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories**

Immediate hazard – yes
Delayed hazard – yes
Fire hazard – no
Pressure hazard – no
Reactivity hazard – no

**SARA 302 Extremely Hazardous Substance**

Not regulated

**SARA 311/312 Hazardous Chemical**

Not regulated

**SARA 313 (TRI reporting)**

| Chemical name | CAS number | % by weight |
|---|---|---|
| Potassium chromate | 7789-00-6 | 0.1–5 |

**Other federal regulations**

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs)**

Potassium chromate (CAS 7789-00-6)

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Not regulated

**Safe Drinking Water Act (SDWA)**

Not regulated

**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**

Potassium chromate (CAS 7789-00-6)

**New Jersey Worker and Community Right-to-Know Act**

Potassium chromate (CAS 7789-00-6)

**Pennsylvania Worker and Community Right-to-Know Act**

Potassium chromate (CAS 7789-00-6)

**Rhode Island Right-to-Know Act**

Potassium chromate (CAS 7789-00-6)

**California Proposition 65**

**California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):** WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

**U.S. - California Proposition 65 - CRT: Listed date/Carcinogenic substance**

Potassium chromate — Listed: February 27, 1987

(CAS 7789-00-6)

**U.S. - California Proposition 65 - CRT: Listed date/Developmental toxin**

Potassium chromate — Listed: December 19, 2008

(CAS 7789-00-6)

**U.S. - California Proposition 65 - CRT: Listed date/Female reproductive toxin**

Potassium chromate — Listed: December 19, 2008

(CAS 7789-00-6)

**U.S. - California Proposition 65 - CRT: Listed date/Male reproductive toxin**

Potassium chromate — Listed: December 19, 2008

(CAS 7789-00-6)

**International inventories**

| Country(ies) or region | Inventory name | On inventory (yes/no)* |
|---|---|---|
| Australia | Australian Inventory of Chemical Substances (AICS) | yes |
| Canada | Domestic Substances List (DSL) | yes |
| Canada | Non-Domestic Substances List (NDSL) | no |
| China | Inventory of Existing Chemical Substances Produced or Imported in China (IECSC) | yes |
| Europe | European Inventory of Existing Commercial Chemical Substances (EINECS) | yes |
| Europe | European List of Notified Chemical Substances (ELINCS) | no |
| Japan | Existing and New Chemical Substances (ENCS) | yes |
| Korea | Existing Chemicals List (ECL) | yes |
| New Zealand | New Zealand Inventory of Chemicals (NZIoC) | yes |
| Philippines | Philippine Inventory of Chemicals and Chemical Substances (PICCS) | yes |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) | yes |

*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

PICCS: Philippine Inventory of Chemicals and Chemical Substances
PPE: personal protective equipment
RCRA: Resource Conservation and Recovery
Act RQ: reportable quantity
RTECS: Registry of Toxic Effects of Chemical Substances
RTK: right to know
SARA: Superfund Amendments and Reauthorization Act
SDS: Safety Data Sheet
SDWA: Safe Drinking Water Act
STEL: short-term exposure limit
TLV: threshold limit values
TSCA: Toxic Substances Control Act
TWA: time-weighted average
VOC: volatile organic compounds
WEL: workplace exposure limit

**Disclaimer**

The information in the Safety Data Sheet is offered for your consideration and guidance for safe handling, use, storage, transportation, disposal, and release of this product and is not considered a warranty or quality specification. Taylor Technologies, Inc., disclaims all expressed or implied warranties and assumes no responsibility for the accuracy of completeness of the data contained herein. The data in this SDS does not apply to use with any other product or in any other process.

 The information contained in this sheet is based on lab experience and the most current data available.

**Issue date** May 2015

**Last revision** May 2015