SAFETY DATA SHEET

M1252 - ANSI - EN

POTASSIUM CARBONATE (ANHYDROUS ALL GRADES)

SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Company Identification: Armand Products Company
469 North Harrison Street
Princeton, NJ 08543-5297

24 Hour Emergency Telephone Number: 1-800-733-3665 or 1-972-404-3228 (USA); CHEMTREC (within USA and Canada): 1-800-424-9300; CHEMTREC (outside USA and Canada): +1 703-527-3887; CHEMTREC Contract No: CCN16186

To Request an SDS: MSDS@oxy.com or 1-972-404-3245

Customer Service: 1-800-522-0540 or 1-609-683-5900

Product Identifier: POTASSIUM CARBONATE (ANHYDROUS ALL GRADES)

Trade Name: Potassium Carbonate Extra Fine; Potassium Carbonate Glass; Potassium Carbonate Dense Granular; Potassium Carbonate Fine

Synonyms: Pearlash, Potash, PotCarb

Product Use: Glass Production, Photographic, detergents / soaps, Fertilizer *, Rubber products, Pharmaceuticals, Potassium Silicates, Food processing, Gas Treatment, Agricultural Chemicals, Cement, catalysts

Uses Advised Against: None identified.

Note: *Check with national and local regulatory agencies to determine status of use in a fertilizer application.

SECTION 2. HAZARDS IDENTIFICATION

Print date: 10-Sep-2015
POTASSIUM CARBONATE (ANHYDROUS ALL GRADES)

OSHA REGULATORY STATUS: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

EMERGENCY OVERVIEW:

Color: White
Physical State: Solid
Appearance: Free-flowing, Granular powder
Odor: Odorless

Signal Word: WARNING

MAJOR HEALTH HAZARDS: CAUSES SERIOUS EYE IRRITATION. CAUSES SKIN IRRITATION. MAY CAUSE RESPIRATORY TRACT IRRITATION. HARMFUL IF INHALED OR SWALLOWED.

AQUATIC TOXICITY: HARMFUL TO AQUATIC LIFE. May increase pH of waterways and adversely affect aquatic life.

PRECAUTIONARY STATEMENTS: Avoid contact with skin and eyes. Wash skin and contaminated clothing thoroughly after handling. Wear protective gloves, protective clothing, eye, and face protection. Avoid breathing dust. Use only outdoors or in a well-ventilated area. Avoid release to the environment.

GHS CLASSIFICATION:

<table>
<thead>
<tr>
<th>GHS: CONTACT HAZARD - SKIN:</th>
<th>Category 2 - Causes skin irritation.</th>
</tr>
</thead>
<tbody>
<tr>
<td>GHS: CONTACT HAZARD - EYE:</td>
<td>Category 2A - Causes serious eye irritation</td>
</tr>
<tr>
<td>GHS: SENSITIZATION HAZARD:</td>
<td>Not classified as a dermal sensitizer according to GHS criteria. This material when applied to the skin of guinea pigs did not elicit any dermal sensitization reaction.</td>
</tr>
<tr>
<td>GHS: ACUTE TOXICITY - INHALATION:</td>
<td>Category 4 - Harmful if inhaled</td>
</tr>
<tr>
<td>GHS: ACUTE TOXICITY - ORAL:</td>
<td>Category 4 - Harmful if swallowed.</td>
</tr>
<tr>
<td>GHS: ACUTE TOXICITY - DERMAL:</td>
<td>Not classified as acutely toxic for dermal exposure.</td>
</tr>
<tr>
<td>GHS: TARGET ORGAN TOXICITY (SINGLE EXPOSURE):</td>
<td>Category 3 - May cause respiratory tract irritation</td>
</tr>
<tr>
<td>GHS: CARCINOGENICITY:</td>
<td>This product is not classified as a carcinogen by NTP, IARC or OSHA.</td>
</tr>
<tr>
<td>GHS: HAZARDOUS TO AQUATIC ENVIRONMENT - ACUTE HAZARD:</td>
<td>Category 3 - Harmful to aquatic life</td>
</tr>
</tbody>
</table>

UNKNOWN ACUTE TOXICITY: Not applicable. 100% of this product consists of ingredient(s) of known acute toxicity.

GHS SYMBOL: Exclamation mark
GHS SIGNAL WORD: **WARNING**

GHS HAZARD STATEMENTS:

GHS - Health Hazard Statement(s)
- Causes serious eye irritation
- Causes skin irritation
- Harmful if swallowed
- Harmful if inhaled
- May cause respiratory irritation

GHS - Environmental Hazard Statement(s)
- Harmful to aquatic life

GHS - Precautionary Statement(s) - Prevention
- Wear protective gloves, protective clothing, eye, and face protection
- Wash thoroughly after handling
- Avoid breathing dust
- Use only outdoors or in a well-ventilated area
- Do not eat, drink or smoke when using this product
- Avoid release to the environment

GHS - Precautionary Statement(s) - Response
- **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- If eye irritation persists: Get medical advice/attention
- Specific treatment (see First Aid information on product label and/or Section 4 of the SDS)
- **IF ON SKIN:** Wash with plenty of water
- If skin irritation occurs: Get medical advice/attention
- Take off contaminated clothing and wash it before reuse
- **IF INHALED:** Remove person to fresh air and keep comfortable for breathing
- Call a POISON CENTER or doctor/physician if you feel unwell
- **IF SWALLOWED:** Call a POISON CENTER or doctor/physician if you feel unwell
- Rinse mouth

GHS - Precautionary Statement(s) - Storage
- Store in a well-ventilated place. Keep container tightly closed
- Store locked up

GHS - Precautionary Statement(s) - Disposal
- Dispose of contents and container in accordance with applicable local, regional, national, and/or international regulations.
POTASSIUM CARBONATE (ANHYDROUS ALL GRADES)

Hazards Not Otherwise Classified (HNOC)
None Known

See Section 11: TOXICOLOGICAL INFORMATION

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms: Pearlash, Potash, PotCarb

Contains Potassium Carbonate

<table>
<thead>
<tr>
<th>Component</th>
<th>Percent [%]</th>
<th>CAS Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Potassium Carbonate</td>
<td>98.5-100</td>
<td>584-08-7</td>
</tr>
<tr>
<td>Water</td>
<td>0-1</td>
<td>7732-18-5</td>
</tr>
<tr>
<td>Impurities</td>
<td>0-0.5</td>
<td>NOT ASSIGNED</td>
</tr>
</tbody>
</table>

SECTION 4. FIRST AID MEASURES

INHALATION: If inhaled and adverse effects occur, remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

SKIN CONTACT: Immediately brush off excess chemical and flush contaminated areas with plenty of water. Remove contaminated clothing, jewelry and shoes. SPECIFIC TREATMENT: Irrigation with water. IF SKIN IRRITATION OCCURS: GET MEDICAL ADVICE/ATTENTION. Wash contaminated clothing before re-use.

EYE CONTACT: Immediately flush contaminated eyes with a directed stream of water for as long as possible. Remove contact lenses, if present and easy to do. Continue rinsing. GET MEDICAL ATTENTION IMMEDIATELY.

INGESTION: If swallowed: Rinse mouth. Do NOT induce vomiting. Give water as tolerated. Never give anything by mouth to an unconscious or convulsive person. If vomiting occurs spontaneously, keep airway clear. If you feel unwell, contact a poison center or doctor/physician.

Most Important Symptoms/Effects (Acute and Delayed):

Acute Symptoms/Effects: Listed below.
Inhalation (Breathing): Respiratory Irritation: Upper airway irritation, may cause cough, redness of mouth and upper airways.
Skin: Skin Irritation: Exposure to skin may cause redness, or irritation.
Eye: Eye Irritation: Exposure to eyes may cause severe irritation and redness to the eye lids, conjunctiva. There is potential for permanent and severe eye damage if not treated immediately.
Ingestion (Swallowing): Gastrointestinal System Effects: Slightly toxic on ingestion. May be severely irritating to gastrointestinal tract possibly causing oral, esophageal, glottis redness, irritation, ulceration, edema, and stomach and intestinal irritation and burns. Ingestion of large quantities may cause ulceration, vomiting, shock, and death.
**Delayed Symptoms/Effects:**
- Repeated or prolonged contact may result in dermatitis

**Interaction with Other Chemicals Which Enhance Toxicity:** None known.

**Medical Conditions Aggravated by Exposure:** May aggravate preexisting conditions, such as: eye disorders that decrease tear production or have reduced integrity of the eye; skin disorders that compromise the integrity of the skin.

**Protection of First-Aiders:** Avoid contact with skin and eyes. Do not breathe dust. At minimum, treating personnel should utilize PPE sufficient for prevention of bloodborne pathogen transmission.

**Notes to Physician:** Treatment is based upon symptomatic and supportive care.

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**SECTION 5. FIRE-FIGHTING MEASURES**

**Fire Hazard:** Negligible fire hazard.

**Extinguishing Media:** Use extinguishing medium as appropriate for surrounding fire.

**Fire Fighting:** Move container from fire area if it can be done without risk. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low areas.

**Hazardous Combustion Products:**
- Oxides of carbon, Potassium oxides

**Sensitivity to Mechanical Impact:** Not sensitive.

**Sensitivity to Static Discharge:** Not sensitive.

**Lower Flammability Level (air):** Not flammable

**Upper Flammability Level (air):** Not flammable

**Flash point:** Not flammable

**Auto-ignition Temperature:** No information available

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**SECTION 6. ACCIDENTAL RELEASE MEASURES**

**Personal Precautions:**
Avoid contact with skin and eyes. Avoid breathing dust. Avoid dust formation. Wash thoroughly after handling. Wear appropriate personal protective equipment recommended in Section 8, Exposure Controls / Personal Protection, of the SDS.
Methods and Materials for Containment and Cleaning Up:
Shovel dry material into suitable container.Flush spill area with water, if appropriate.

Environmental Precautions:
This material is harmful to aquatic life. Keep out of water supplies and sewers. Releases should be reported, if required, to appropriate agencies.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling:
Avoid contact with skin and eyes. Avoid creation of dust. Avoid breathing dust. When using, do not eat, drink or smoke. Wash thoroughly after handling. Do not reuse containers. Use only in well-ventilated areas.

Safe Storage Conditions:
Store and handle in accordance with all current regulations and standards. Keep container tightly closed and properly labeled. Granular material is slightly hygroscopic; ground material is very hygroscopic. Store in a cool, dry area. Keep separated from incompatible substances (see below or Section 10 of the Safety Data Sheet).

Incompatibilities/ Materials to Avoid:
Acids, Lime, Prolonged contact with aluminum, brass, bronze, copper, lead, tin, zinc or other alkali sensitive metals or alloys

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Regulatory Exposure Limit(s): Listed below for the product components that have regulatory occupational exposure limits (OEL’s) established.

<table>
<thead>
<tr>
<th>Component</th>
<th>OSHA Final PEL TWA</th>
<th>OSHA Final PEL STEL</th>
<th>OSHA Final PEL Ceiling</th>
</tr>
</thead>
<tbody>
<tr>
<td>Particles Not Otherwise Regulated (PNOR) 00-00-001</td>
<td>15 mg/m³ (Total) 5 mg/m³ (Respirable)</td>
<td>-----</td>
<td>-----</td>
</tr>
</tbody>
</table>

OEL: Occupational Exposure Limit; OSHA: United States Occupational Safety and Health Administration; PEL: Permissible Exposure Limit; TWA: Time Weighted Average; STEL: Short Term Exposure Limit

NON-REGULATORY EXPOSURE LIMIT(S): Listed below for the product components that have advisory (non-regulatory) occupational exposure limits (OEL’s) established.

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS Number</th>
<th>ACGIH TWA</th>
<th>ACGIH STEL</th>
<th>ACGIH Ceiling</th>
<th>OSHA TWA (Vacated)</th>
<th>OSHA STEL (Vacated)</th>
<th>OSHA Ceiling (Vacated)</th>
</tr>
</thead>
</table>

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<table>
<thead>
<tr>
<th>Particulates Not Otherwise Specified (PNOS)</th>
<th>Not Assigned</th>
<th>10 mg/m^3 (Inhalable)</th>
<th>3 mg/m^3 (Respirable)</th>
<th>-----</th>
<th>-----</th>
<th>-----</th>
<th>-----</th>
</tr>
</thead>
</table>

- The Non-Regulatory United States Occupational Safety and Health Administration (OSHA) limits, if shown, are the Vacated 1989 PEL’s (vacated by 58 FR 35338, June 30, 1993).

- The American Conference of Governmental Industrial Hygienists (ACGIH) is a voluntary organization of professional industrial hygiene personnel in government or educational institutions in the United States. The ACGIH develops and publishes recommended occupational exposure limits each year called Threshold Limit Values (TLVs) for hundreds of chemicals, physical agents, and biological exposure indices.

**Recommended Exposure Limits (REL’s) are non-regulatory occupational exposure limits that the manufacturer has established based on health effects data.**

<table>
<thead>
<tr>
<th>OXY REL</th>
<th>Recommended Exposure Limit - 2 mg/m^3 recommended Time Weighted Average - 8 hour (internal Occupational Exposure Limit) (Inhalable Particulate)</th>
</tr>
</thead>
</table>

**ENGINEERING CONTROLS:** Provide local exhaust ventilation where dust or mist may be generated. Ensure compliance with applicable exposure limits.

**PERSONAL PROTECTIVE EQUIPMENT:**

**Eye Protection:** Wear safety glasses with side-shields. If eye contact is likely, wear chemical resistant safety goggles. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.

**Skin and Body Protection:** Wear protective clothing to minimize skin contact. When potential for contact with dry material exists, wear disposable coveralls suitable for dust exposure, such as Tyvek®. Contaminated clothing should be removed and laundered before reuse.

**Hand Protection:** Wear appropriate chemical resistant gloves. Consult a glove supplier for assistance in selecting an appropriate chemical resistant glove.

**Protective Material Types:** Butyl rubber, Natural rubber, Neoprene, Nitrile

**Respiratory Protection:** A NIOSH approved respirator with N95 (dust, fume, mist) cartridges may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits, or when symptoms have been observed that are indicative of overexposure. When an air purifying respirator is not adequate for spills and/or emergencies of unknown concentrations, an approved self-contained breathing apparatus operated in the pressure demand mode is required. A respiratory protection program that meets 29 CFR 1910.134 must be followed whenever workplace conditions warrant use of a respirator.

**HYGIENE MEASURES:** Handle in accordance with good industrial hygiene and safety practices. Good hygiene practices include but are not limited to: wearing suitable gloves and/or eye protection; washing hands and affected skin immediately after handling, before breaks, and at the end of the workday; regularly cleaning work area and clothing; etc.
POTASSIUM CARBONATE (ANHYDROUS ALL GRADES)

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Solid
Appearance: Free-flowing, Granular powder
Color: White
Odor: Odorless
Odor Threshold [ppm]: Not applicable. No odor warning properties.
Molecular Weight: 138.21
Molecular Formula: K2CO3
Decomposition Temperature: 212 - 392 °F (100 - 200 °C)
Boiling Point/Range: Not applicable to solids
Freezing Point/Range: Not applicable to solids.
Melting Point/Range: 1636 °F (891 °C)
Vapor Pressure: Not applicable
Vapor Density (air=1): Not applicable
Relative Density/Specific Gravity (water=1): 2.428 @ 19 °C
Density: 1201 - 1330 g/L (granular); 560 - 625 g/L (ground) @ 20 °C
Bulk Density: 75-83 lb/ft3 (granular); 35-39 lb/ft3 (ground) @ 20 °C
Water Solubility: 100%
pH: moderately basic in solution
Volatility: Not applicable
Evaporation Rate (ether=1): Not applicable
Partition Coefficient (n-octanol/water): Not applicable
Flash point: Not flammable
Flammability (solid, gas): Not flammable
Lower Flammability Level (air): Not flammable
Upper Flammability Level (air): Not flammable
Auto-ignition Temperature: No information available
Viscosity: Not applicable
Hygroscopic: Yes

SECTION 10. STABILITY AND REACTIVITY

Reactivity: Not reactive under normal temperatures and pressures.
Chemical Stability: Stable at normal temperatures and pressures.
Possibility of Hazardous Reactions:
Avoid contact with lime to prevent formation of corrosive potassium hydroxide (KOH).
Conditions to Avoid:
(e.g., static discharge, shock, or vibration) - None known.
Incompatibilities/ Materials to Avoid:
Acids. Lime. Prolonged contact with aluminum, brass, bronze, copper, lead, tin, zinc or other alkali sensitive metals or alloys.
POTASSIUM CARBONATE (ANHYDROUS ALL GRADES)

Hazardous Decomposition Products: Carbon oxides, Potassium oxides

Hazardous Polymerization: Will not occur.

SECTION 11. TOXICOLOGICAL INFORMATION

TOXICITY DATA:

PRODUCT TOXICITY DATA: POTASSIUM CARBONATE (ANHYDROUS ALL GRADES)

<table>
<thead>
<tr>
<th>Comp.</th>
<th>LD50 Oral</th>
<th>LD50 Dermal</th>
<th>LC50 Inhalation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Potassium Carbonate 584-08-7</td>
<td>1,870 mg/kg (Rat)</td>
<td>&gt;2000 mg/kg (Rabbit)</td>
<td>&gt; 4.96 mg/l (rat/4.5 hour)</td>
</tr>
<tr>
<td>Water 7732-18-5</td>
<td>-----</td>
<td>-----</td>
<td>-----</td>
</tr>
</tbody>
</table>

COMPONENT TOXICITY DATA:
Note: The component toxicity data is populated by the LOLI database and may differ from the product toxicity data given.

<table>
<thead>
<tr>
<th>Component</th>
<th>LD50 Oral</th>
<th>LD50 Dermal</th>
<th>LC50 Inhalation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Potassium Carbonate 584-08-7</td>
<td>1870 mg/kg (Rat)</td>
<td>-----</td>
<td>-----</td>
</tr>
<tr>
<td>Water 7732-18-5</td>
<td>-----</td>
<td>-----</td>
<td>-----</td>
</tr>
</tbody>
</table>

POTENTIAL HEALTH EFFECTS:

Eye contact: Eye exposure may cause severe irritation and redness to the eye lids, conjunctiva. Untreated, prolonged eye contact can cause permanent and severe eye damage.

Skin contact: Exposure to skin may cause redness, irritation.

Inhalation: Inhalation of this material may cause upper airway irritation, cough, redness of mouth and upper airways.

Ingestion: Ingestion of this material may cause oral, esophageal, glottis redness, irritation, ulceration, edema, and stomach and intestinal irritation and burns. Ingesting large quantities may cause ulceration, vomiting, shock, and death.

Chronic Effects: Repeated or prolonged contact may result in dermatitis.

SIGNS AND SYMPTOMS OF EXPOSURE:
Listed below.

Inhalation (Breathing): Respiratory Irritation: Upper airway irritation, may cause cough, redness of mouth and upper airways.
**SKIN:** Skin Irritation: Exposure to skin may cause redness, or irritation.

**Eye:** Eye Irritation: Exposure to eyes may cause severe irritation and redness to the eye lids, conjunctiva. There is potential for permanent and severe eye damage if not treated immediately.

**Ingestion (Swallowing):** Gastrointestinal System Effects: Slightly toxic on ingestion. May be severely irritating to gastrointestinal tract possibly causing oral, esophageal, glottis redness, irritation, ulceration, edema, and stomach and intestinal irritation and burns. Ingestion of large quantities may cause ulceration, vomiting, shock, and death.

**ACUTE TOXICITY:**
This material when applied to the skin of guinea pigs did not elicit any dermal sensitization reaction.

**Interaction with Other Chemicals Which Enhance Toxicity:** None known.

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**GHS HEALTH HAZARDS:**
Listed below.

**GHS: ACUTE TOXICITY - ORAL:** Category 4 - Harmful if swallowed.

**GHS: ACUTE TOXICITY - DERMAL:** Not classified as acutely toxic for dermal exposure.

**GHS: ACUTE TOXICITY - INHALATION:** Category 4 - Harmful if inhaled.

**GHS: CONTACT HAZARD - EYE:** Category 2A - Causes serious eye irritation

**GHS: CONTACT HAZARD - SKIN:** Category 2 - Causes skin irritation

**Skin Absorbent / Dermal Route?** No.

**GHS: SENSITIZATION HAZARD:** Not classified as a dermal sensitizer according to GHS criteria. This material when applied to the skin of guinea pigs did not elicit any dermal sensitization reaction.

**GHS: CARCINOGENICITY:**
This product is not classified as a carcinogen by NTP, IARC or OSHA.

**SPECIFIC TARGET ORGAN TOXICITY (Single Exposure):**
Category 3 - Respiratory Tract Irritation

**MUTAGENIC DATA:**
Not classified as a mutagen per GHS criteria. Tested negative in test systems evaluated.

**DEVELOPMENTAL TOXICITY:**
Not classified as a developmental or reproductive toxin per GHS criteria. No discernable effects on maternal or fetal survival were observed in animal studies.

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**SECTION 12. ECOLOGICAL INFORMATION**

**Print date:** 10-Sep-2015 10 of 14
ECOTOXICITY DATA:

Fish Toxicity:
- LC50 Bluegill sunfish: 230 mg/L (96 hour)
- LC50 Rainbow trout: 68 mg/L (96 hour)
- LC50 Fathead minnow: 940 mg/L (24 hour)
- LC50 Fathead minnow: 820 mg/L (48 hour)
- LC50 Fathead minnow: <510 mg/L (96 hour)

Invertebrate Toxicity:
- EC50 Daphnia magna: 430 mg/L (48 hour) - hard water
- EC50 Daphnia pulex: 200 mg/L (48 hour) - soft water

FATE AND TRANSPORT:

BIODEGRADATION: This material is inorganic and not subject to biodegradation

PERSISTENCE: This material is believed not to persist in the environment

BIOACCUMULATIVE POTENTIAL: This material is believed not to bioaccumulate. Potassium carbonate is very soluble in water. Therefore the substance does not accumulate in lipophilic tissues of living organisms.

ADDITIONAL ECOLOGICAL INFORMATION: This material is harmful to aquatic life. May increase pH of waterways and adversely affect aquatic life.

SECTION 13. DISPOSAL CONSIDERATIONS

Waste from material:
Reuse or reprocess, if possible. May be subject to disposal regulations. Measure the pH of solutions to determine disposal restrictions. Dispose in accordance with all applicable regulations.

Container Management:
Dispose of container in accordance with applicable local, regional, national, and/or international regulations. Container rinsate must be disposed of in compliance with applicable regulations.

SECTION 14. TRANSPORT INFORMATION

LAND TRANSPORT

U.S. DOT 49 CFR 172.101:

Status: Not regulated.
POTASSIUM CARBONATE (ANHYDROUS ALL GRADES)

CANADIAN TRANSPORTATION OF DANGEROUS GOODS:

Status: Not regulated.

MARITIME TRANSPORT (IMO / IMDG) Not regulated

Status - IMO / IMDG: Not Regulated

SECTION 15. REGULATORY INFORMATION

U.S. REGULATIONS

OSHA REGULATORY STATUS:
This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

CERCLA SECTIONS 102a/103 HAZARDOUS SUBSTANCES (40 CFR 302.4):
Not regulated.

SARA EHS Chemical (40 CFR 355.30)
Not regulated

EPCRA SECTIONS 311/312 HAZARD Categories (40 CFR 370.10):
Acute Health Hazard

EPCRA SECTION 313 (40 CFR 372.65):
Not regulated.

DEPARTMENT OF HOMELAND SECURITY (DHS)- Chemical Facility Anti-Terrorism Standards (6 CFR 27):
No components in this material are regulated under DHS

OSHA PROCESS SAFETY (PSM) (29 CFR 1910.119):
Not regulated

FDA: This material has Generally Recognized as Safe (GRAS) status under specific FDA regulations. Additional information is available from the Code of Federal Regulations which is accessible on the FDA’s website. This product is not produced under all current Good Manufacturing Practices (cGMP) requirements as defined by the Food and Drug Administration (FDA).

NATIONAL INVENTORY STATUS

Print date: 10-Sep-2015
U.S. INVENTORY STATUS: Toxic Substance Control Act (TSCA): All components are listed or exempt.

TSCA 12(b): This product is not subject to export notification.

Canadian Chemical Inventory: All components of this product are listed on either the DSL or the NDSL.

STATE REGULATIONS

California Proposition 65:
This product and its ingredients are not listed, but it may contain impurities/trace elements known to the State of California to cause cancer or reproductive toxicity as listed under Proposition 65 State Drinking Water and Toxic Enforcement Act. For additional information, contact OxyChem Technical Services at 1-800-733-1165.

CANADIAN REGULATIONS
• This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations

WHMIS - Classifications of Substances:
• D2B - Poisonous and Infectious Material; Materials causing other toxic effects - Toxic material

SECTION 16. OTHER INFORMATION

Prepared by: OxyChem Corporate HESS - Product Stewardship
Rev. Date: 10-Sep-2015

HMIS: (SCALE 0-4) (Rated using National Paint & Coatings Association HMIS: Rating Instructions, 2nd Edition)
Health Rating: 2 Flammability Rating: 0 Reactivity Rating: 0

NFPA 704 - Hazard Identification Ratings (SCALE 0-4) : Listed below.
Health Rating: 2 Flammability: 0 Reactivity Rating: 0

Reason for Revision:
• Emergency Overview was revised: SEE SECTION 2
• Revised GHS Information: SEE SECTION 2
• Modified Composition/Information on Ingredients: SEE SECTION 3
• Updated First Aid Measures: SEE SECTION 4
• Revised Accidental Release Measures: SEE SECTION 6
• Revised Exposure Controls/Personal Protection information: SEE SECTION 8
• Updated Physical and Chemical Properties. SEE SECTION 9
• Toxicological Information has been revised: SEE SECTION 11
• Revised California Proposition 65 Statement: SEE SECTION 15

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OSHA Standard 29 CFR 1910.1200 requires that information be provided to employees regarding the hazards of chemicals by means of a hazard communication program including labeling, safety data sheets, training and access to written records. We request that you, and it is your legal duty to, make all information in this Safety Data Sheet available to your employees

End of Safety Data Sheet