

SAFETY DATA SHEET

M1252 - ANSI - EN



POTASSIUM CARBONATE (ANHYDROUS ALL GRADES)

SDS No.: M1252

SDS Revision Date: 23-May-2017

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); CANUTEC (Canada): 1-613-996-6666; 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; Potassium Carbonate Food Grade; Potassium Carbonate Extra Fine Food Grade |
| 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, Food Additive |
| 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

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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:

| | |
|---|---|
| GHS: CONTACT HAZARD - SKIN: | Category 2 - Causes skin irritation |
| GHS: CONTACT HAZARD - EYE: | Category 2A - Causes serious eye irritation |
| 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: ACUTE TOXICITY - INHALATION: | Category 4 - Harmful if inhaled |
| GHS: ACUTE TOXICITY - DERMAL: | Not classified as acutely toxic for dermal exposure |
| GHS: ACUTE TOXICITY - ORAL: | Category 4 - Harmful if swallowed |
| GHS: TARGET ORGAN TOXICITY (SINGLE EXPOSURE): | Category 3 - May cause respiratory tract irritation |
| GHS: CARCINOGENICITY: | This product is not classified as a carcinogen by NTP, IARC or OSHA |
| HAZARDOUS TO AQUATIC ENVIRONMENT - ACUTE HAZARD: | Category 3 - Harmful to aquatic life |

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

GHS SYMBOL: Exclamation mark

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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

Hazards Not Otherwise Classified (HNOC)

None Known

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See Section 11: TOXICOLOGICAL INFORMATION

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Component | Percent [%] | CAS Number |
|---------------------|-------------|------------|
| Potassium Carbonate | 98.5-100 | 584-08-7 |

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 reuse.

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:

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

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should utilize PPE sufficient for prevention of bloodborne pathogen transmission.

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

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

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.

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.

Methods and Materials for Containment and Cleaning Up:

Shovel dry material into suitable container. Flush spill area with water, if appropriate.

Additional Disaster Prevention Measures:

No data available.

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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.

| Component | OSHA Final PEL TWA | OSHA Final PEL STEL | OSHA Final PEL Ceiling |
|--|--|------------------------|------------------------|
| Particles Not Otherwise Regulated (PNOR) 00-00-001 | 15 mg/m ³ (Total) 5 mg/m ³ (Respirable) | ----- | ----- |

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 are the product components that have advisory (non-regulatory) occupational exposure limits (OEL's) established

| Component | ACGIH TWA | ACGIH STEL | ACGIH Ceiling | OSHA TWA (Vacated) | OSHA STEL (Vacated) | OSHA Ceiling (Vacated) |
|--|--|------------|---------------|-----------------------|------------------------|---------------------------|
| Particles Not Otherwise Regulated (PNOR) | 10 mg/m ³ (Inhalable) 3 mg/m ³ (Respirable) | ----- | ----- | ----- | ----- | ----- |

- 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

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manufacturer has established based on health effects data

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|---|---|
| Manufacturer [OXY] Recommended Exposure Limit (REL): | 2 mg/m ³ = recommended 8-hour Time Weighted Average (TWA) - (Manufacturer recommended Occupational Exposure Limit) (Inhalable Particulate) |
|---|---|

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.

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: | K ₂ CO ₃ |
| Decomposition Temperature: | 212 - 392 °F (100 - 200 °C) |
| Boiling Point/Range: | Not applicable to solids |

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| 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

Chemical Stability: Stable at normal temperatures and pressures.

Reactivity: Not reactive under 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.

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)

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|--|---|---|
| LD50 Oral: 1,870 mg/kg (Rat) | LD50 Dermal: >2000 mg/kg (Rabbit) | LC50 Inhalation: > 4.96 mg/l (rat/4.5 hour) |
|--|---|---|

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:

- 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.

GHS HEALTH HAZARDS:

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.

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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.

SECTION 12. ECOLOGICAL INFORMATION

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

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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.

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

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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 U.S. Food and Drug Administration (FDA) regulations. Additional information is available from the Code of Federal Regulations which is accessible on the FDA's website. Only food grade product is guaranteed to be produced under all current Good Manufacturing Practices (cGMP) requirements as defined by the FDA. Food grade product is produced in a facility that is accredited as a Safe Quality Food (SQF) Level 2 Facility, certified under the Global Food Safety Initiative (GFSI), and meets the Food Chemical Codex (FCC) requirements.

NATIONAL INVENTORY STATUS

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.

| Component | DSL | NDSL |
|---------------------------------|--------|------------|
| Potassium Carbonate 584-08-7 | Listed | Not Listed |

STATE REGULATIONS**California Proposition 65:**

This product is 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: 23-May-2017

Reason for Revision:

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- Trade name(s) for food grade product has been added: SEE SECTION 1
- Food Application use has been added to "Product Use": SEE SECTION 1
- Component information has been changed. SEE SECTION 3
- Format change Section 6
- Removed redundant component toxicity data for essentially pure product: SEE SECTION 11
- Updated FDA Statement: SEE SECTION 15
- Revised California Proposition 65 Statement: SEE SECTION 15

IMPORTANT:

The information presented herein, while not guaranteed, was prepared by technical personnel and is true and accurate to the best of our knowledge. NO WARRANTY OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE, OR WARRANTY OR GUARANTY OF ANY OTHER KIND, EXPRESSED OR IMPLIED, IS MADE REGARDING PERFORMANCE, SAFETY, SUITABILITY, STABILITY OR OTHERWISE. This information is not intended to be all-inclusive as to the manner and conditions of use, handling, storage, disposal and other factors that may involve other or additional legal, environmental, safety or performance considerations, and Occidental Chemical Corporation assumes no liability whatsoever for the use of or reliance upon this information. While our technical personnel will be happy to respond to questions, safe handling and use of the product remains the responsibility of the customer. No suggestions for use are intended as, and nothing herein shall be construed as, a recommendation to infringe any existing patents or to violate any Federal, State, local or foreign laws.

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