



SAFETY DATA SHEET

H F E €

1. Identification

| | |
|---|---|
| Product identifier | Pool Salt |
| Other means of identification | |
| SDS number | NS6 |
| Synonyms | Diamond Crystal® Premium Pool Salt. * Diamond Crystal® Splash Ready™ Pool Salt. * Diamond Crystal® Ocean Waves™ Pool Sea Salt. * Pro's Pick® Professional Grade Pool Salt. * Pro's Pick® Quick Dissolve Pool Salt. * *Pro's Pick® Instant Dissolve Pool Salt. * *Pro's Pick® Quick Dissolve Plus Pool Salt. * Sodium Chloride (Salt). |
| Recommended use | Salt may be intended for food or animal feed (agricultural) as well as several industrial applications including deicing and water conditioning. |
| Recommended restrictions | None known. |
| Manufacturer/Importer/Supplier/Distributor information | |
| Manufacturer | |
| Company name | Cargill Incorporated |
| Address | Minneapolis, MN 55440 |
| Telephone | 1-888-385-7258 |
| Website | www.cargillsalt.com |
| Emergency telephone number | CHEMTREC (800) 424-9300 |

2. Hazard(s) identification

| | |
|--|--|
| Physical hazards | Not classified. |
| Health hazards | Not classified. |
| OSHA defined hazards | Not classified. |
| Label elements | |
| Hazard symbol | None. |
| Signal word | None. |
| Hazard statement | The mixture does not meet the criteria for classification. |
| Precautionary statement | |
| Prevention | Observe good industrial hygiene practices. |
| Response | Wash hands after handling. |
| Storage | Store away from incompatible materials. |
| Disposal | Dispose of waste and residues in accordance with local authority requirements. |
| Hazard(s) not otherwise classified (HNOC) | None known. |

3. Composition/information on ingredients

Mixtures

| Chemical name | CAS number | % |
|----------------------|-------------------|----------|
| Sodium Chloride | 7647-14-5 | 100 |

Impurities

| Chemical name | CAS number | % |
|---------------------------------|-------------------|----------|
| Glycerin | 56-81-5 | 0.01 |
| Sodium Ferrocyanide Decahydrate | 13601-19-9 | 0.0008 |

GRAS Substance (Generally Recognized As Safe).

4. First-aid measures

| | |
|---|---|
| Inhalation | If dust from the material is inhaled, remove the affected person immediately to fresh air. Call a physician if symptoms develop or persist. |
| Skin contact | Wash off with soap and water. Get medical attention if irritation develops and persists. |
| Eye contact | Rinse with water. Get medical attention if irritation develops and persists. |
| Ingestion | Give one or two glasses of water if patient is alert and able to swallow. Get medical attention if symptoms occur. |
| Most important symptoms/effects, acute and delayed | Direct contact with eyes may cause temporary irritation. |
| Indication of immediate medical attention and special treatment needed | Treat symptomatically. |
| General information | Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. |

5. Fire-fighting measures

| | |
|--|---|
| Suitable extinguishing media | Water fog. Foam. Dry chemical powder. Carbon dioxide (CO ₂). |
| Unsuitable extinguishing media | Do not use water jet as an extinguisher, as this will spread the fire. |
| Specific hazards arising from the chemical | During fire, gases hazardous to health may be formed. |
| Special protective equipment and precautions for firefighters | Self-contained breathing apparatus and full protective clothing must be worn in case of fire. |
| Fire fighting equipment/instructions | Use water spray to cool unopened containers. |
| Specific methods | Use standard firefighting procedures and consider the hazards of other involved materials. |
| General fire hazards | This product is not flammable or combustible. |

6. Accidental release measures

| | |
|--|---|
| Personal precautions, protective equipment and emergency procedures | Keep unnecessary personnel away. Avoid inhalation of dust from the spilled material. Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. For personal protection, see section 8 of the SDS. |
| Methods and materials for containment and cleaning up | If sweeping of a contaminated area is necessary use a dust suppressant agent which does not react with the product. Collect dust using a vacuum cleaner equipped with HEPA filter. Minimize dust generation and accumulation. Avoid release to the environment. Following product recovery, flush area with water. For waste disposal, see section 13 of the SDS. |
| Environmental precautions | Avoid discharge into drains, water courses or onto the ground. |

7. Handling and storage

| | |
|---|--|
| Precautions for safe handling | Provide appropriate exhaust ventilation at places where dust is formed. Minimize dust generation and accumulation. Avoid breathing dust. Avoid contact with eyes. Avoid contact with water and moisture. Keep away from strong acids. Practice good housekeeping. |
| Conditions for safe storage, including any incompatibilities | Store in original tightly closed container. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS). Becomes hygroscopic at 70-75% relative humidity. Avoid humid or wet conditions as product will cake and become hard. |

8. Exposure controls/personal protection

Occupational exposure limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

| Impurities | Type | Value | Form |
|------------------------|------|----------------------|----------------------|
| Glycerin (CAS 56-81-5) | PEL | 5 mg/m ³ | Respirable fraction. |
| | | 15 mg/m ³ | Total dust. |

| | |
|---|---|
| Biological limit values | No biological exposure limits noted for the ingredient(s). |
| Appropriate engineering controls | Ventilation should be sufficient to effectively remove and prevent buildup of any dusts or fumes that may be generated during handling or thermal processing. |

Individual protection measures, such as personal protective equipment

| | |
|---------------------------------------|---|
| Eye/face protection | Unvented, tight fitting goggles should be worn in dusty areas. |
| Skin protection | |
| Hand protection | Wear appropriate chemical resistant gloves. |
| Other | Wear suitable protective clothing. |
| Respiratory protection | Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits. If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. |
| Thermal hazards | Wear appropriate thermal protective clothing, when necessary. |
| 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 contaminants. |

9. Physical and chemical properties

| | |
|---|--------------------------------|
| Appearance | White crystalline solid |
| Physical state | Solid. |
| Form | Crystalline solid. |
| Color | White to opaque |
| Odor | Halogen odor when heated |
| Odor threshold | Not available. |
| pH | Not available. |
| Melting point/freezing point | 1473.8 °F (801 °C) |
| Initial boiling point and boiling range | 2669 °F (1465 °C) (760 mmHg) |
| Flash point | Not available. |
| Evaporation rate | Not available. |
| Flammability (solid, gas) | Not available. |
| Upper/lower flammability or explosive limits | |
| Flammability limit - lower (%) | Not available. |
| Flammability limit - upper (%) | Not available. |
| Explosive limit - lower (%) | Not available. |
| Explosive limit - upper (%) | Not available. |
| Vapor pressure | 2.4 mm Hg (1376.6 °F (747 °C)) |
| Vapor density | Not available. |
| Relative density | 2.16 (H ₂ O = 1) |
| Solubility(ies) | |
| Solubility (water) | 26.4 % |
| Partition coefficient (n-octanol/water) | Not available. |
| Auto-ignition temperature | Not available. |
| Decomposition temperature | Not available. |
| Viscosity | Not available. |
| Other information | |
| Bulk density | 35 - 83 lb/ft ³ |
| Molecular formula | NaCl |
| Molecular weight | 58.44 |
| pH in aqueous solution | 6 - 10 |

10. Stability and reactivity

| | |
|---------------------------|---|
| Reactivity | The product is stable and non-reactive 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 | Contact with incompatible materials. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). |
| Incompatible materials | Avoid contact with strong acids. Becomes corrosive to metals when wet. |
| Hazardous decomposition products | May evolve chlorine gas when in contact with strong acids. |

11. Toxicological information

Information on likely routes of exposure

| | |
|---------------------|--|
| Inhalation | Inhalation of dusts may cause respiratory irritation. |
| Skin contact | Prolonged or repeated skin contact may cause irritation. |
| Eye contact | Dust in the eyes will cause irritation. |
| Ingestion | Expected to be a low ingestion hazard. |

Symptoms related to the physical, chemical and toxicological characteristics

Eye and skin contact: Exposure may cause temporary irritation, redness, or discomfort. For ingestion, consuming less than a few grams would not be harmful. The following effects were observed after ingesting an excessive quantity: nausea and vomiting, diarrhea, cramps, restlessness, irritability, dehydration, water retention, nose bleed, gastrointestinal tract damage, fever, sweating, sunken eyes, high blood pressure, muscle weakness, dry mouth and nose, shock, cerebral edema (fluid on brain), pulmonary edema (fluid in lungs), blood cell shrinkage, and brain damage (due to dehydration of brain cells). Death is generally due to cardiovascular collapse or CNS damage.

Information on toxicological effects

Acute toxicity In some cases of confirmed hypertension, ingestion may result in elevated blood pressure.

| Components | Species | Test Results |
|------------|---------|--------------|
|------------|---------|--------------|

Sodium Chloride (CAS 7647-14-5)

Acute

Oral

LD50

Rat

3000 mg/kg

Impurities

Species

Test Results

Glycerin (CAS 56-81-5)

Acute

Dermal

LD50

Guinea pig

45 ml/kg, Days

Inhalation

LC50

Rat

4655 mg.min/l, 7 Hours

Oral

LD50

Rat

27 mg/kg

Skin corrosion/irritation

Prolonged skin contact may cause temporary irritation.

Serious eye damage/eye irritation

Dust in the eyes will cause irritation.

Respiratory or skin sensitization

Respiratory sensitization Not available.

Skin sensitization This product is not expected to cause skin sensitization.

Germ cell mutagenicity

No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity

This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Reproductive toxicity

This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity - single exposure

Not classified.

Specific target organ toxicity - repeated exposure

Not classified.

Aspiration hazard Due to the physical form of the product it is not an aspiration hazard.

12. Ecological information

Ecotoxicity The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

| Impurities | Species | Test Results |
|------------------------|---|------------------------------|
| Glycerin (CAS 56-81-5) | | |
| Aquatic | | |
| Fish | LC50 Rainbow trout, donaldson trout (Oncorhynchus mykiss) | 51000 - 57000 mg/l, 96 Hours |

Persistence and degradability No data is available on the degradability of this product.

Bioaccumulative potential No data available.

Partition coefficient n-octanol / water (log Kow)

Glycerin (CAS 56-81-5) -1.76

Mobility in soil No data available.

Other adverse effects None known.

13. Disposal considerations

Disposal instructions Collect and reclaim or dispose in sealed containers at licensed waste disposal site.

Local disposal regulations Dispose in accordance with all applicable regulations.

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

Waste from residues / unused products Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: 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. Transport information

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

15. Regulatory information

US federal regulations All components are on the U.S. EPA TSCA Inventory List. This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - No
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical No

SARA 313 (TRI reporting)
Not regulated.

Other federal regulations

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

Not regulated.

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

Not regulated.

Safe Drinking Water Act (SDWA) Not regulated.

US state regulations

US. Massachusetts RTK - Substance List

Glycerin (CAS 56-81-5)

US. New Jersey Worker and Community Right-to-Know Act

Glycerin (CAS 56-81-5)

US. Pennsylvania Worker and Community Right-to-Know Law

Glycerin (CAS 56-81-5)

US. Rhode Island RTK

Not regulated.

US. California Proposition 65

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

International Inventories

| Country(s) 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 in China (IECSC) | Yes |
| Europe | European Inventory of Existing Commercial Chemical Substances (EINECS) | Yes |
| Europe | European List of Notified Chemical Substances (ELINCS) | No |
| Japan | Inventory of Existing and New Chemical Substances (ENCS) | Yes |
| Korea | Existing Chemicals List (ECL) | Yes |
| New Zealand | New Zealand Inventory | Yes |
| Philippines | Philippine Inventory of Chemicals and Chemical Substances (PICCS) | Yes |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory | Yes |

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

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(s).

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

Issue date 17-November-2014
Revision date -
Version # 01
HMIS® ratings Health: 1
Flammability: 0
Physical hazard: 0
Personal protection: A

Disclaimer

All statements, technical information and recommendations contained herein are, the best of our knowledge, reliable and accurate; however no warranty, either expressed or implied is made with respect thereto, nor will any liability be assumed for damages resultant from the use of the material described.

It is the responsibility of the user to comply with all applicable federal, state and local laws and regulations. It is also the responsibility of the user to maintain a safe workplace. The user should consider the health hazards and safety information provided herein as a guide and should take the necessary steps to instruct employees and to develop work practice procedures to ensure a safe work environment.

This information is not intended as a license to operate under, or a recommendation to practice or infringe upon any patent of this Company or others covering any process, composition of matter or use.

U.S. DEPARTMENT OF LABOR, Occupational Safety and Health Administration Form Approved OMB No. 1218-0072, may be used to comply with OSHA's Hazard Communication Standard 29 CFR 1910.1200

SECTION I

PRODUCT IDENTITY : **SALT, AQUASALT, POOL SALT**
 (As used on Label and List)
Emergency Telephone Number: (713) 877-2600
Telephone Number For Information: (713) 877-2600

SECTION II - HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

Hazardous Components (Specify Identity; Common Name(s) OSHA PEL ACGIH TLV OTHER LIMITS RECOMMENDED % (Optional)

Sodium Chloride (NaCl) is not considered a hazardous chemical as USC interprets the OSHA Hazard Communication Standard 29 CFR 1910.1200. The information on this form has been prepared with reasonable care. USC extends no warranties, makes no representations and assumes no responsibilities as to the accuracy or suitability of such information for application to purchaser's intended purposes of or consequences of its use.

SECTION III - PHYSICAL / CHEMICAL CHARACTERISTICS

| | | | |
|---------------------------------|--|---|--------|
| Boiling Point: | 1413° C | Specific Gravity (H₂O=1): | 2.165 |
| Vapor Pressure (mm Hg.): | 1 MM @ 855° | Melting Point: | 800° C |
| Vapor Density (AIR=1): | N/A | Evaporation Rate (Butyl Acetate=1): | N/A |
| Solubility in Water: | Appreciable (26.43% by weight at 20 Deg Celsius) | | |
| Appearance and Odor: | Bluish White, Crystalline, Odorless Solid | | |

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used) N/A

Flammable Limits : **LEL:** N/A **UEL:** N/A

Extinguishing Media : Material is non-flammable. Use Media appropriate for surrounding materials.

Special Fire Fighting Procedures : None

SECTION V - REACTIVITY DATA

| | | | |
|--|--|------------------------------|------|
| Stability : | Stable | Conditions to Avoid : | None |
| Incompatibility (Materials to Avoid): | Bromine Trifluoride, Lithium | | |
| Hazardous Decomposition or Byproducts : | When heated to decomposition (above 1413 degree celsius) may emit toxic fumes of Na ₂ O and Cl ₂ . | | |
| Hazardous Polymerization : | May Not Occur | Conditions to Avoid : | None |



MATERIAL SAFETY DATASHEET

SECTION VI - HEALTH HAZARD DATA

Route(s) of Entry :

Eye? Yes Inhalation? Yes Skin? Yes Ingestion? Yes

Health Hazards (Acute and Chronic) :

Carcinogenicity? No NTP? No IARC Monographs? No OSHA Regulated? No

Signs and Symptoms of Exposure : Listed Above

Medical Conditions Generally Aggravated by Exposure : No information

Emergency and First Aid Procedures : Ingestion: Drink large amounts of water; Inhalation: Remove to fresh air; Skin Contact: Wash with soap and water; Eye Contact: Flush with water for 15 minutes. Get Medical Attention.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be Taken in Case Material is Released or Spilled : No Special requirements - Check your state for reportable quantity requirements.

Waste Disposal Method : Dispose of in accordance to local state and federal regulations.

Precautions to be taken in Handling and Storing : Transport in dry equipment. Store in dry location.

Other Procedures : None.

SECTION VIII - CONTROL MEASURES

Respiratory Protection (Specify Type) : None Required - Nuisance dust mask for personal comfort.

Ventilation : Local Exhaust Special : None

Mechanical : Satisfactory Other : None

Protective Gloves : Work Gloves Eye Protection : Goggles

Other Protective Clothing or Equipment : None required

Work / Hygienic Practices : None



SAFETY DATA SHEET

Splash Pool Salt – Salt Industrial Grade

Revision Date 05/04/15

US / EN

1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Splash Pool Salt, SALT, INDUSTRIAL GRADE

Product Use Description : Industrial use
various

Company : Buckman's Inc
105 Airport Road
Pottstown PA 19464
USA

Telephone : 610-495-7495

Fax : 610-495-7229

Emergency telephone number : CHEMTREC
(24-hr):
(800) 424-9300

2. HAZARDS IDENTIFICATION

Emergency Overview

| | |
|----------------|----------------------------|
| Appearance | crystalline |
| Colour | white |
| Odour | none |
| Hazard Summary | No further data available. |
| OSHA Hazards | : NO OSHA HAZARDS |

Potential Health Effects

Inhalation : Product dust may be irritating to the respiratory system.

Skin : Product dust may be irritating to skin.

Eyes : Product dust may be irritating to eyes.

Ingestion : May be harmful if swallowed.

Aggravated Medical Condition : None known.

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Symptoms of Overexposure : irritant effects

Carcinogenicity:

IARC

: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA

: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

NTP

: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

ACGIH

: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

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3. COMPOSITION/INFORMATION ON INGREDIENTS

No ingredients are hazardous according to OSHA criteria.

Non-hazardous ingredients

| Component | CAS-No. | Weight percent |
|-----------------|-----------|----------------|
| Sodium chloride | 7647-14-5 | <=100 |

4. FIRST AID MEASURES

- General advice : No hazards which require special first aid measures.
- Inhalation : Rinse nose and mouth with water.
- Skin contact : Take off contaminated clothing and shoes immediately.
- Eye contact : Rinse with plenty of water.
Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.
- Ingestion : Clean mouth with water and drink afterwards plenty of water.
Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.

Notes to physician

- Symptoms : irritant effects
- Treatment : Treat symptomatically.

5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Specific hazards during firefighting / Specific hazards arising from the chemical : In case of fire hazardous decomposition products may be produced such as:
Chlorine
- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.
- Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

See also Section 9. Physical and chemical properties: Safety data

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions : Avoid dust formation.
- Environmental precautions : Try to prevent the material from entering drains or water courses.

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- No special environmental precautions required.
- Methods for cleaning up /
Methods for containment : Pick up and arrange disposal without creating dust.
Sweep up and shovel.
Keep in suitable, closed containers for disposal.
- Additional advice : For personal protection see section 8.
-

7. HANDLING AND STORAGE

Handling

- Advice on safe handling : For personal protection see section 8.
Avoid creating dust.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
No special handling advice required.
- Advice on protection against
fire and explosion : Provide appropriate exhaust ventilation at places where dust
is formed.
No sparking tools should be used.

Storage

- Requirements for storage
areas and containers : Keep in a dry place.
Store at room temperature in the original container.
Keep container tightly closed.
- Advice on common storage : No special restrictions on storage with other products.
- Other data : No decomposition if stored and applied as directed.
-

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Contains no substances with occupational exposure limit values.

Engineering measures

None.

Personal protective equipment

- Eye/face protection : Tightly fitting safety goggles
- Respiratory protection : No personal respiratory protective equipment normally
required.
In the case of dust or aerosol formation use respirator with an
approved filter.
- Hygiene measures : Handle in accordance with good industrial hygiene and safety
practice.
Wash hands before breaks and at the end of workday.

Environmental exposure controls

- General advice : Try to prevent the material from entering drains or water
-

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courses.

No special environmental precautions required.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

| | |
|-----------------|------------------|
| Form | : crystalline |
| Colour | : white |
| Odour | : none |
| Odour Threshold | : not applicable |

Safety data

| | |
|--|---|
| pH | : 7.5 at 18 °C |
| Melting point | : 801 °C |
| Boiling point | : 1,465 °C |
| Flash point | : not applicable |
| Evaporation rate | : not applicable |
| Flammability (solid, gas) | : Not expected to form explosive dust-air mixtures. |
| Lower explosion limit | : not applicable |
| Upper explosion limit | : not applicable |
| Vapour pressure | : not applicable |
| Relative vapour density | : not applicable |
| Density | : 2,170 kg/m ³ at 20 °C |
| Relative density | : 2.17 at 20 °C |
| Water solubility | : 310 g/l at 18 °C |
| Solubility in other solvents | : organic solvent soluble |
| Partition coefficient: n- octanol/water | : log Pow: -3.0 Method: Calculation method |
| Auto-ignition temperature | : not applicable |
| Decomposition temperature | : not applicable |
| Viscosity, kinematic | : not applicable |
| Explosive properties | : Not explosive |
| Oxidizing properties | : not applicable |

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This safety datasheet only contains information relating to safety and does not replace any product information or product specification.

10. STABILITY AND REACTIVITY

| | |
|----------------------------------|--|
| Conditions to avoid | : None known. |
| Materials to avoid | : BrF3 |
| Hazardous decomposition products | : In case of fire hazardous decomposition products may be produced such as: Chlorine Sodium oxides |
| Thermal decomposition | : not applicable |
| Reactivity | : Corrodes base metals. |
| Chemical stability | : Stable under recommended storage conditions. |
| Hazardous reactions | : No dangerous reaction known under conditions of normal use. |

11. TOXICOLOGICAL INFORMATION

PRODUCT INFORMATION:

Toxicology Assessment

Further information : No further data available.

Test result

Acute oral toxicity : LD50: 3,000 mg/kg
Species: rat

Carcinogenicity:

IARC : No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA : No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

NTP : No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

ACGIH : No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

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12. ECOLOGICAL INFORMATION

PRODUCT INFORMATION:

Ecotoxicology Assessment

Additional ecological information : None known.

Test result

Ecotoxicity effects

Toxicity to daphnia and other aquatic invertebrates : EC50: 1,000 mg/l
Exposure time: 48 h
Species: Daphnia magna (Water flea)

Elimination information (persistence and degradability)

Bioaccumulation : not applicable

Mobility : Medium: Soil
No data available

Biodegradability : Result: No data available

Further information on ecology

Biochemical Oxygen Demand (BOD) : No data available

Hazardous to the ozone layer

Regulation : 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances

Remarks : This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

13. DISPOSAL CONSIDERATIONS

Product : Do not dispose of waste into sewer.
Do not contaminate ponds, waterways or ditches with chemical or used container.
Hazardous waste

Contaminated packaging : Empty remaining contents.
Dispose of as unused product.
Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. TRANSPORT INFORMATION

International regulation

ADR

Not regulated as a dangerous good

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UNRTDG

Not regulated as a dangerous good

IATA-DGR

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

Further information for transport

Not classified as dangerous in the meaning of transport regulations.

National Regulations

49 CFR

Not regulated as a dangerous good

TDG

Not regulated as a dangerous good

NOM-002-SCT

Not regulated as a dangerous good

15. REGULATORY INFORMATION

Notification status

| | |
|--------|--|
| CH INV | : YES. The formulation contains substances listed on the Swiss Inventory |
| TSCA | : YES. All chemical substances in this product are either listed on the TSCA Inventory or in compliance with a TSCA Inventory exemption. |
| DSL | : YES. All components of this product are on the Canadian DSL. |
| AICS | : YES. On the inventory, or in compliance with the inventory |
| NZIoC | : YES. On the inventory, or in compliance with the inventory |
| ENCS | : YES. On the inventory, or in compliance with the inventory |
| ISHL | : YES. On the inventory, or in compliance with the inventory |
| KECI | : YES. On the inventory, or in compliance with the inventory |
| PICCS | : YES. On the inventory, or in compliance with the inventory |
| IECSC | : YES. On the inventory, or in compliance with the inventory |

For explanation of abbreviation see section 16.

OSHA Hazards : No OSHA Hazards

EPCRA - Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 302 : SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 : SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Clean Air Act

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This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM Intermediate or Final VOC's (40 CFR 60.489).

Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

US State Regulations

Massachusetts Right To Know

No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know

| | | |
|-----------------|-----------|------------|
| Sodium chloride | 7647-14-5 | 90 - 100 % |
|-----------------|-----------|------------|

New Jersey Right To Know

| | | |
|-----------------|-----------|------------|
| Sodium chloride | 7647-14-5 | 90 - 100 % |
|-----------------|-----------|------------|

California Prop. 65

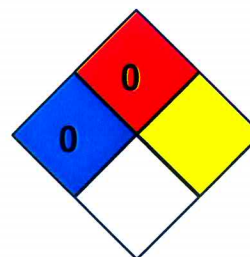
This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

16. OTHER INFORMATION

Further information

HMIS Classification : Health hazard: 1
Flammability: 0

NFPA Classification : Health hazard: 0
Fire Hazard: 0



Notification status explanation

| | |
|--------|--|
| REACH | 1907/2006 (EU) |
| CH INV | Switzerland. New notified substances and declared preparations |
| TSCA | United States TSCA Inventory |
| DSL | Canadian Domestic Substances List (DSL) |
| AICS | Australia Inventory of Chemical Substances (AICS) |
| NZIoC | New Zealand. Inventory of Chemical Substances |
| ENCS | Japan. ENCS - Existing and New Chemical Substances Inventory |

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| | |
|-------|--|
| ISHL | Japan. ISHL - Inventory of Chemical Substances (METI) |
| KECI | Korea. Korean Existing Chemicals Inventory (KECI) |
| PICCS | Philippines Inventory of Chemicals and Chemical Substances (PICCS) |
| IECSC | China. Inventory of Existing Chemical Substances in China (IECSC) |

Further information

Revision Date 07.04.2014

The information in this material safety data sheet should be provided all who will use, handle, store, transport or otherwise be exposed to this product. The user must determine the appropriate measures that need to be implemented for the use and handling of this product in the context of the user's operations and use of this product. The information contained herein supersedes all previously issued bulletins on the subject matter covered. If the date on this document is more than three years old, call to make certain that this sheet is current. No warranty is made as to the product's merchantability or fitness for any particular purpose, or that any suggested use will not infringe any patent. User must determine for himself, by preliminary tests or otherwise, the suitability of this product for his purposes, including mixing with other products. Nothing contained herein shall be construed as granting or extending any license under any patent.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.