



SAFETY DATA SHEET

Issue Date 21-Aug-2014

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Version 1

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier

Product Name CS-2032

Other means of identification

SDS Code 030321

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended Use Processing aids.

Uses advised against Consumer use

Details of the supplier of the safety data sheet

Supplier Address

Crystal Inc. - PMC
601 W 8th St
Lansdale, PA 19446
USA

Manufacturer Address

Crystal Inc. - PMC 601
W 8th St
Lansdale, PA 19446
USA

Emergency telephone number

Company Phone Number

Crystal, Inc. - PMC Customer Service: 215-368-1661

Crystal, Inc. - PMC Customer Service: 1-800-525-3842

24 Hour Emergency Phone Number CHEMTREC: 1-800-424-9300

Emergency Telephone Chemtrec [INT]: +1-703-527-3887

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.122)

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

Label elements

Emergency Overview

Hazard statements

Handle in accordance with good industrial hygiene and safety practice

The product contains no substances which at their given concentration, are considered to be hazardous to health

Appearance flakes, granules, molten,
pellets

Physical state Solid

Odor Slight

Precautionary Statements - Response

Get medical advice/attention if you feel unwell

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.

IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. Drink 1 or 2 glasses of water. Get medical advice/attention if you feel unwell.

Hazards not otherwise classified (HNOC)

Dust can form an explosive mixture with air

Other Information

May be harmful in contact with skin.

Unknown Acute Toxicity

0% of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS No | Weight-% | Trade Secret |
|---------------------------------------|------------|----------|--------------|
| Hydrotreated paraffin wax (petroleum) | 64742-51-4 | 100 | * |

* The exact percentage (concentration) of composition has been withheld as a trade secret. If CAS number is "proprietary", the specific chemical identity and percentage of composition has been withheld as a trade secret.

4. FIRST AID MEASURES**First aid measures**

| | |
|---------------------|--|
| Eye contact | Molten product can cause thermal burns. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. (Call a physician if irritation persists). |
| Skin Contact | Molten product can cause thermal burns. In case of burns, immediately cool affected skin for as long as possible with cold water. Wash off immediately with plenty of water for at least 15 minutes. (Get medical attention immediately if symptoms occur.). |
| Inhalation | Remove to fresh air. (Get medical attention immediately if symptoms occur.). |
| Ingestion | Molten product can cause thermal burns. Clean mouth with water and drink afterwards plenty of water. (Get medical attention immediately if symptoms occur.). |

Most important symptoms and effects, both acute and delayed

Symptoms No information available.

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

5. FIRE-FIGHTING MEASURES**Suitable extinguishing media**Water spray (fog), Carbon dioxide (CO₂), Foam, Dry chemical, ABC-powder

Unsuitable extinguishing media Do not use a solid water stream as it may scatter and spread fire. Do not use straight streams.

Specific hazards arising from the chemical

Avoid creating dust. Dust can form an explosive mixture with air.

Hazardous combustion products Carbon monoxide. Carbon dioxide (CO₂). Hydrocarbons.

Explosion data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Ensure adequate ventilation, especially in confined areas. Avoid creating dust. Dust can form an explosive mixture with air.

Environmental precautions

Environmental precautions See Section 12 for additional ecological information. The product is insoluble and floats on water. Prevent further leakage or spillage if safe to do so. Do not allow into any sewer, on the ground or into any body of water. Prevent product from entering drains.

Methods and material for containment and cleaning up

Methods for cleaning up Use personal protective equipment as required. Take up mechanically, placing in appropriate containers for disposal. Clean contaminated surface thoroughly. Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry. Avoid creating dust. Where possible allow molten material to solidify naturally.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Avoid creating dust. Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place.

Incompatible materials Strong oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines Exposure limits are listed below, if they exist.

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH IDLH | PMC OEL |
|-----------------|---|--|------------|---------|
| Dust DUST | TWA: 10 mg/m ³ Inhl TWA: 3 mg/m ³ Resp | TWA: 5 mg/m ³ Resp TWA: 15 mg/m ³ Total 29CFR1910.1000 | - | - |
| Wax Fume WAX | 2 mg/m ³ Inhl TLV | - | - | - |

Appropriate engineering controls

Engineering Controls Showers, Eyewash stations, Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).

Skin and body protection Heat resistant gloves are recommended when handling molten materials.

Respiratory protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

General Hygiene Considerations Avoid contact with skin, eyes or clothing. Avoid breathing (dust, vapor, mist, gas). Wash face, hands and any exposed skin thoroughly after handling. Use personal protective equipment as required.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

| | | | |
|--|--|--------------------------------------|------------------------------------|
| Physical state Appearance Color | Solid flakes, granules, molten, pellets white to light brown | Odor Odor threshold | Slight No information available |
|--|--|--------------------------------------|------------------------------------|

| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> |
|-------------------------------|---|------------------------------|
| pH | No information available | |
| Melting point/freezing point | 54-74 °C / 130-165 °F | Not Applicable |
| Boiling point / boiling range | > 370 °C / 698 °F | |
| Flash point | > 210 °C / > 410 °F | Cleveland Open Cup, ASTM D92 |
| Evaporation rate | No information available | |
| Flammability (solid, gas) | No information available | |
| Flammability Limit in Air | | |
| Upper flammability limit: | No information available | |
| Lower flammability limit: | No information available | negligible |
| Vapor pressure | No information available | |
| Vapor density | No information available | |
| Specific Gravity | No information available | |
| Water solubility | Insoluble in water | |
| Solubility in other solvents | No information available | |
| Partition coefficient | No information available | |
| Autoignition temperature | No information available | |
| Decomposition temperature | No information available | |
| Kinematic viscosity | No information available | |
| Dynamic viscosity | No information available | |
| Explosive properties | Dust can form an explosive mixture with air | |
| Oxidizing properties | No information available | |

Other Information

| | |
|--|--|
| Softening point Molecular weight VOC Content (%) Density Bulk density | No information available No information available 0 0.91g/cm ³ @ 25C No information available |
|--|--|

10. STABILITY AND REACTIVITY

Chemical stability

Stable.

Possibility of Hazardous Reactions

None under normal processing.

| | |
|---------------------------------|--|
| Hazardous polymerization | Hazardous polymerization does not occur. |
|---------------------------------|--|

Conditions to avoid

None known. Avoid creating dust. Dust can form an explosive mixture with air. Extremes of temperature and direct sunlight.

Incompatible materials

Strong oxidizing agents.

Hazardous Decomposition Products

Carbon monoxide, Carbon dioxide (CO₂), Hydrocarbons.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

| | |
|----------------------------|---|
| Product Information | Product does not present an acute toxicity hazard based on known or supplied information. |
| Inhalation | Vapors may be irritating to eyes, nose, throat, and lungs. Inhalation of dust in high concentration may cause irritation of respiratory system. |
| Eye contact | Dust contact with the eyes can lead to mechanical irritation. Molten product can cause thermal burns. |
| Skin Contact | Molten product can cause thermal burns. |
| Ingestion | No data available. |

| Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|--|---------------------|---|-----------------|
| Hydrotreated paraffin wax (petroleum) | = 10000 mg/kg (Rat) | > 3600 mg/kg (Rabbit) = 5000 mg/kg (Rat) | |

Information on toxicological effects

Symptoms No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

| | |
|---------------------------------|--|
| Sensitization | No information available. |
| Germ cell mutagenicity | No information available. |
| Carcinogenicity | This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP. |
| Reproductive toxicity | No information available. |
| STOT - single exposure | No information available. |
| STOT - repeated exposure | No information available. |
| Aspiration hazard | No information available. |

Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document .

| | |
|------------------------|-------------|
| ATEmix (oral) | 10000 mg/kg |
| ATEmix (dermal) | 3600 mg/kg |

12. ECOLOGICAL INFORMATION**Ecotoxicity**

100% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Other adverse effects

No information available

13. DISPOSAL CONSIDERATIONS**Waste treatment methods**

Disposal of wastes Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging Do not reuse container. Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION

DOT Not regulated

TDG Not regulated

IATA Not regulated.

IMDG Not regulated

15. REGULATORY INFORMATION

All of the components in the product are on the following Inventory lists

The classification and labeling information in this Safety Data Sheet should be viewed as provisional.

International Inventories

| | |
|----------------------|--------------------|
| EINECS/ELINCS | Complies or Exempt |
| TSCA | Complies |
| AICS | Complies |
| DSL/NDSL | Complies |
| ENCS | Complies |
| KECL | Complies |
| PICCS | Complies |
| IECSC | Complies |
| NZIoC | Complies |

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

NZIoC - New Zealand Inventory of Chemicals

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). Any Substance regulated Title 40 of the Code of Federal Regulations, Part 372 is listed below, if it exists.

SARA 311/312 Hazard Categories

| | |
|--|----|
| Acute health hazard | No |
| Chronic Health Hazard | No |
| Fire hazard | No |
| Sudden release of pressure hazard | No |
| Reactive Hazard | No |

CWA (Clean Water Act)

Any Substance regulated as a pollutant pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42) is listed below, if it exists.

CERCLA

Any Substance regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) is listed below, if it exists.

US State Regulations**California Proposition 65**

This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations**U.S. EPA Label Information**

EPA Pesticide Registration Number Not Applicable

| |
|------------------------------|
| 16. OTHER INFORMATION |
|------------------------------|

| | | | | |
|--------------------|------------------|----------------|--------------------|---|
| <u>NFPA</u> | Health hazards 1 | Flammability 1 | Instability 0 | Physical and Chemical Properties - |
| <u>HMIS</u> | Health hazards 1 | Flammability 1 | Physical hazards 0 | Personal protection X |

| | |
|----------------------|-------------|
| Prepared By | PMC Group |
| Issue Date | 21-Aug-2014 |
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Revision Note
(M)SDS sections updated 3

Disclaimer

The information provided in this Material 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.

End of Safety Data Sheet