



Safety Data Sheets (GHS-SDS)

Product Name: SJ5550

Revision Date: Apr 26, 2021

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Version: 4.6.0.2

Compiled in accordance with the 8th revised edition (ST/SG/AC.10/30/Rev.8 2019) of the UN GHS system..

SECTION 1: Identification

1.1 GHS Product identifier

Chemical Name POLYESTER RESIN

1.2 Other means of identification

Chemical trade name SJ5550
Molecular formula Mixture, not applicable.
Structural formula Mixture, not applicable.
Molecular weight Mixture, not applicable.
CAS number Mixture, not applicable.

1.3 Recommended use of chemical and restrictions on use

Recommended use of the product

Resin used in the production of powder coatings.

Restricted use of the product

Only for industrial, professional or research purposes, please consult the manufacturer for other information.

1.4 Supplier's details

Manufacturer Huangshan Shenjian New Materials Co.,Ltd.
Address NO.6 Zijin Road, Xunhuan Economic Park, Huizhou Area, Huangshan City,
 Anhui Province, China
Post code 2415999
Contact number +86-559-3511758
Company Fax +86-559-3512668
E-mail address of person
responsible for this SDS ASJ_SDS@ 126.com
Company Website http: //www.shen-jian.com

1.5 Emergency phone number

Emergency telephone
number +86-559-3514891

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture

| | | | | |
|--|------------|--------------------------|---------|-------------------------------------|
| | Substance | <input type="checkbox"/> | Mixture | <input checked="" type="checkbox"/> |
| GHS hazard category | | | | |
| Skin sensitization | Category 1 | | | |
| Serious eye damage/eye irritation | Category 1 | | | |
| Respiratory sensitization | Category 1 | | | |
| Specific target organ toxicity-single exposure | | | | |
| Respiratory tract irritation | Category 3 | | | |

2.2 GHS label elements

| | |
|--------------------------|--|
| Signal word | Danger. |
| Hazard statements | |
| H317 | May cause an allergic skin reaction. |
| H318 | Causes serious eye damage. |
| H334 | May cause allergy or asthma symptoms or breathing difficulties if inhaled. |
| H335 | May cause respiratory irritation. |
| Precautionary statements | |
| Prevention | |
| P261 | Avoid breathing dust/fume/gas/mist/vapours/spray. |
| P264 | Wash face, hands and any exposed skin thoroughly after handling. |
| P270 | Do not eat, drink or smoke when using this product. |
| P271 | Use only outdoors or in a well-ventilated area. |
| P280 | Wear protective gloves. |
| P284 | Wear respiratory protection. |
| Response | |
| P302+P352 | IF ON SKIN: Wash with plenty of water. |
| P304+P340 | IF INHALED: Remove person to fresh air and keep comfortable for breathing. |
| P333+P317 | If skin irritation or rash occurs: Get medical help. |
| P342+P316 | If experiencing respiratory symptoms: Get emergency medical help immediately. |
| P362+P364 | Take off contaminated clothing and wash it before reuse. |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| Storage | |
| P403+P235 | Store in a well-ventilated place. Keep cool. |
| Disposal | |
| P501 | Dispose of contents/container in accordance with local and national regulations. |

Pictograms



2.3 Other hazards which do not result in classification

Handling and/or handling of this substance may generate dust that can cause mechanical irritation of the eyes, skin, nose and throat.

SECTION 3: Composition/information on ingredients**Substances/Mixtures**

Substances



Mixtures



| Ingredient name | Identifiers | % | Classification Regulation (EC) No.1272/2008 [CLP] |
|--|---|------|--|
| Benzene-1,2,4-tricarboxylic acid 1,2-anhydride | CAS: 552-30-7 EC: 209-008-0 REACH #: 01-2119489422-34 Index : 607-097-00-4 RTECS #: DC2050000 | <2.0 | Skin Sens. 1, H317 Eye Dam. 1, H318 Resp. Sens. 1, H334 STOT SE 3, H335 |
| Benzene-1,2,4-tricarboxylic acid | CAS: 528-44-9 EC: 208-432-3 RTECS #: DC1980000 | <1.0 | Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 |

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

SECTION 4: First-aid measures**4.1 Description of necessary first-aid measures**

| | |
|--------------|--|
| Inhalation | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms. |
| Skin contact | Flush contaminated skin with plenty of water. |
| Eye contact | Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if symptoms. |
| Ingestion | Wash out mouth with water. Get medical attention if symptoms. |

4.2 Most important symptoms/effects, acute and delayed**Potential acute health effects**

| | |
|--------------|--|
| Inhalation | Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs. |
| Skin contact | No known significant effects or critical hazards. |
| Eye contact | Causes eye irritation. |
| Ingestion | No known significant effects or critical hazards. |

Over-exposure signs/symptoms

| | |
|------------|---|
| Inhalation | Adverse symptoms may include the following: respiratory tract irritation, coughing. |
| Skin | No specific data. |
| Eye | Adverse symptoms may include the following: pain or irritation, watering, redness. |

Ingestion No specific data.

4.3 Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific treatments No specific treatment.

Protection of first-aiders No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Suitable Use foam, CO₂ or dry powder fire extinguishing agent.

Not suitable Avoid using direct water to extinguish fires. Direct water may cause the splash of flammable liquids, and in severe cases, spread the fire.

5.2 Specific hazards arising from the chemical

Unusual fire/explosion hazards

No special danger.

Hazardous thermal decomposition products

In the event of a fire, harmful decomposition products may be produced, such as carbon monoxide, carbon dioxide, black smoke, aldehydes, and organic acids.

5.3 Special protective actions for fire-fighters

Firefighters should wear breathing masks ((conforming to MSHA/NIOSH requirements or equivalent)) and full protective clothing. Firefighters should put out the fire at a safe distance upwind.

Prevent firefighting water from polluting the surface and groundwater system..

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

No action shall be taken involving any personal risk or without suitable training.

Irrelevant and unprotected personnel enter. Do not touch or walk past the spilled material.

Cut off all ignition sources. No flames, smoking or flames are allowed in the hazardous area. Avoid breathing dust. Provide adequate ventilation. Wear suitable respirators when there is insufficient ventilation. Wear suitable personal protective equipment.

For emergency responders

If you need to wear special clothing to deal with spills, please refer to section 8 for information on suitable and inappropriate materials. See the information in the section "Non-emergency responders".

6.2 Environmental precautions

Avoid spreading and running away of spillage, and avoid spillage from contacting and entering the soil, rivers, sewers and sewage pipes.

May be harmful to the environment if released in large quantities.

6.3 Methods and materials for containment and cleaning up

| | |
|---------------|---|
| Small leak | Move the container away from the spill area. Use a vacuum cleaner to clean up or thoroughly clean up contaminants and place them in waste containers with designated labels. |
| Massive leaks | Move the container away from the spill area. Approach the spill from upwind. Prevent entry into sewers, waterways, basements or confined areas. Use a vacuum cleaner to clean up or thoroughly clean up contaminants and place them in waste containers with designated labels. Avoid raising dust and avoid spreading it by wind. |

Note: For personal protective equipment, see section 8; for waste disposal, see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

| | |
|---------------------|--|
| Protective measures | Put on appropriate personal protective equipment (see section 8). No ingestion. Avoid contact with eyes, skin and clothing. Avoid breathing dust. Avoid release to the environment. Prevent dust accumulation. Use only under adequate ventilation. Wear suitable respirators when there is insufficient ventilation. When transferring materials, the container and equipment should be grounded to release static electricity generated during material transportation. |
| Advice on general | Eating, drinking, and smoking should be prohibited in areas where this substance is handled, stored, and processed. Staff should wash their hands before eating, drinking and smoking. Before entering the eating area, remove contaminated clothing and protective equipment. |

7.2 Conditions for safe storage, including any incompatibilities

| | |
|-----------------------------|--|
| Conditions for safe storage | Do not store above the following temperature: 30°C (86°F (Fahrenheit)). Store in accordance with local regulations. It should be stored separately from oxidizing substances and avoid mixed storage. Avoid direct sunlight, keep away from heat and fire sources, and store in a cool, dry and ventilated place. |
| Packaging Materials | It is recommended to use the packaging materials allocated by the supplier. It is not recommended to use other containers or packaging materials to prevent pollution. |
| Remarks | Avoid raising dust. |

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure Limits:

| Ingredient name | Benzene-1,2,4-tricarboxylic acid 1,2-anhydride (CAS. 552-30-7) | | | |
|------------------|--|-------------------|--|-------------------|
| Country / Region | Occupational exposure limit (8h) | | Occupational exposure limit (short time) | |
| | ppm | mg/m ³ | ppm | mg/m ³ |

| | | | | |
|---------------------|-------|--------|---|-------|
| United States-NIOSH | 0.005 | 0.04 | — | — |
| South Korea | — | 0.0005 | — | 0.002 |
| Ireland | — | 0.0005 | — | 0.002 |
| Germany (AGS) | — | 0.04 | — | 0.04 |
| Denmark | — | 0.04 | — | 0.04 |
| Australia | 0.005 | 0.039 | — | — |

Biological limits:

No data.

Monitoring method

EN 14042 Workplace Air A guide to procedures used to assess exposure to chemical or biological agents.

8.2 Appropriate engineering controls

Use only under adequate ventilation.

If dust, smoke, gas, vapor or mist are generated during use, please use process isolation equipment, local ventilation systems or other engineering controls to ensure that the content of airborne pollutants in the working environment of workers is below the recommended or legal limit. The process control method used should also control the concentration of gas, steam or dust below the exposure limit value.

8.3 Individual protection measures, such as personal protective equipment(PPE)

Eye/face protection

Wear safety glasses with side shields.

Skin protection

It is recommended to wear dust-proof clothing.

Respiratory protection

If the result of the risk assessment shows that it is necessary, please use a suitable breathing apparatus with a particulate filter that meets the standard. The choice of respirator must be based on known or expected exposure levels, product hazards, and safe working limits of the selected respirator.

Hand protection

If the result of the risk assessment shows that it is necessary, please always wear chemical-resistant and impermeable gloves that meet the standards when you come into contact with chemical products.

Hygiene measures

After exposure to chemicals, wash hands, forearms and face thoroughly before meals, before smoking, before going to the toilet, and after work. Use appropriate techniques to remove clothing that may have been contaminated. Contaminated clothing needs to be washed before reuse. Ensure that the eyewash station and safety shower room are close to the workplace.

Remarks

All chemical protective gloves are suitable for use to avoid contact with skin.
The choice of gloves should be aimed at the physical protection of hands.

SECTION 9: Physical and chemical properties and safe characteristics

Physical State

Solid flake particles.

Colour

Pale white or light yellow.

Odour

Odourless.

Odor threshold

No data.

| | |
|--|--|
| Melting point/freezing point | No data. |
| Boiling point, initial boiling | No data. |
| Flammability (solid or gas) | Not flammable, but will burn if exposed to flame or high temperature for a long time. |
| Lower and upper explosion | No data. |
| Flash point | >350 (°C) (closed cup) |
| Auto-ignition temperature | >350(°C) |
| Decomposition temperature | >350(°C) |
| PH | Not applicable. |
| Kinematic viscosity | Not applicable. |
| Solubility (mg/L) | Partially soluble in the following materials: diethyl ether and acetone. Insoluble in the following materials: cold water, hot water, methanol and n-octanol. |
| Solubility in water (mg/L) | No data. |
| Partition coefficient n-octanol/water(log value) | No data. |
| Vapour pressure(kPa) | No data. |
| Evaporation rate | No data. |
| Relative density (water = 1) | 1.2 |
| Density (g/cm ³) | 1.2 (23°C) |
| Bulk density | 600 to 750 kg/m ³ |
| Relative vapor density (air=1) | No data. |
| Particle characteristics | No data. |

SECTION 10: Stability and reactivity

10.1 Reactivity

No specific test data related to reactivity available for this product or its ingredients.

10.2 Chemical stability

This product is stable.

It is stable under recommended storage and handling conditions (see section 7).

10.3 Possibility of hazardous reactions

Under normal storage and use, hazardous chemical reactions will not occur.

10.4 Conditions to avoid

Avoid generating dust and all sources of ignition (spark or flame) during handling.

Take precautions to prevent electrostatic discharge. To prevent fire or explosion, the container and equipment should be grounded when transferring materials to release static electricity generated during material transportation. Prevent dust accumulation.

10.5 Incompatible materials

Reactive or incompatible with the following materials: oxidizing materials.

10.6 Hazardous decomposition products

Under normal storage and use conditions, hazardous decomposition products will not be

produced.

SECTION 11: Toxicological information**11.1 Toxicological effects**

Acute toxicity

| Ingredient name | Result | Species | Dose | Exposure |
|--|--|--------------------|-------------------------|----------|
| Benzene-1,2,4-tricarboxylic acid 1,2-anhydride CAS 552-30-7 | LC ₅₀ Inhalation Dusts and mists | Rat - Male, Female | >2.33 mg/l | 4 hours |
| | LD ₅₀ Dermal | Rabbit | >2000 mg/kg | — |
| | LD ₅₀ Oral | Rat - Female | >2030 mg/kg | — |
| | LD ₅₀ Oral | Rat - Male | >3340 mg/kg | — |
| | LD ₅₀ Oral | Rat - Male, Female | >2730 mg/kg | — |
| Benzene-1,2,4-tricarboxylic acid CAS 528-44-9 | LC ₅₀ Inhalation Dusts and mists | Rat | >3750 mg/m ³ | 4 hours |
| | LD ₅₀ Dermal | Rabbit | >2000 mg/kg | — |
| | LD ₅₀ Oral | Rat - Male, Female | >2730 mg/kg | — |

Skin corrosion/irritation

| Ingredient name | Result | Species | Score | Exposure | Observation |
|--|------------------------|---------|-------|---------------|----------------|
| Benzene-1,2,4-tricarboxylic acid 1,2-anhydride CAS 552-30-7 | Skin - Oedema | Rabbit | 0.39 | 4 hours 0.5 g | 24 to 72 hours |
| | Skin - Erythema/Eschar | Rabbit | 1 | 4 hours 0.5 g | 24 to 72 hours |
| Benzene-1,2,4-tricarboxylic acid CAS 528-44-9 | Skin - Mild irritant | Rabbit | — | 4 hours 0.5 g | — |

Serious eye damage/irritation

| Ingredient name | Result | Species | Score | Exposure | Observation |
|--|------------------------------------|---------|-------|----------|-------------|
| Benzene-1,2,4-tricarboxylic acid 1,2-anhydride CAS 552-30-7 | Eyes - Cornea opacity | Rabbit | 4 | 0.1g | 24 hours |
| | Eyes - Iris lesion | Rabbit | 2 | 0.1g | 24 hours |
| | Eyes - Redness of the conjunctivae | Rabbit | 3 | 0.1g | 24 hours |
| | Eyes - Oedema of the conjunctivae | Rabbit | 4 | 0.1g | 24 hours |
| Benzene-1,2,4-tricarboxylic acid CAS 528-44-9 | Eyes - Irritant | Rabbit | — | — | — |

Respiratory or skin sensitization

| Ingredient name | Route of exposure | Species | Result |
|--|---------------------|--|------------------------------------|
| Benzene-1,2,4-tricarboxylic acid 1,2-anhydride CAS 552-30-7 | Respiratory skin | Man | Sensitising |
| | | Guinea pig | Sensitising |
| Benzene-1,2,4-tricarboxylic acid CAS 528-44-9 | Respiratory skin | Rat Mammal - species unspecified | Not sensitizing Not sensitizing |

Germ cell mutagenicity

| Ingredient name | Test | Experiment | Result |
|-----------------|--|---|----------|
| | OECD 471 Bacterial Reverse Mutation | Experiment: In vitro Subject: Bacteria | Negative |

| | | | |
|--|---|--|----------|
| Benzene-1,2,4-tricarboxylic acid 1,2-anhydride CAS 552-30-7 | | Metabolic activation: Without & with | |
| | OECD 473 In vitro Mammalian Chromosomal Aberration Test | Experiment: In vitro Subject: Mammalian-Animal Cell: Germ Metabolic activation: Without & with | Negative |
| | OECD 476 In vitro Mammalian Cell Gene Mutation Test | Experiment: In vitro Subject: Mammalian-Animal Cell: Germ Metabolic activation: Without & with | Negative |
| Benzene-1,2,4-tricarboxylic acid CAS 528-44-9 | OECD 471 Bacterial Reverse Mutation | Experiment: In vitro Subject: Bacteria Metabolic activation: Without & with | Negative |
| | OECD 476 In vitro Mammalian Cell Gene Mutation Test | Experiment: In vitro Subject: Mammalian-Animal Cell: Germ | Negative |
| | OECD 473 In vitro Mammalian Chromosomal Aberration Test | Experiment: In vitro Subject: Mammalian-Animal Cell: Germ | Negative |

Carcinogenicity

No data.

Reproductive toxicity

| Ingredient name | Maternal toxicity | Fertility | Develop mental toxin | Species | Dose | Exposure |
|--|-------------------|-----------|----------------------|--------------|---|-----------------|
| Benzene-1,2,4-tricarboxylic acid 1,2-anhydride CAS 552-30-7 | — | Negative | — | Rat | Inhalation: 500 µg/m ³ (NOAEC) | 6 hours per day |
| | — | Negative | — | Guinea pig | Inhalation: 500 µg/m ³ (NOAEC) | 6 hours per day |
| Benzene-1,2,4-tricarboxylic acid CAS 528-44-9 | — | — | Negative | Rat - Female | Inhalation: 0.5 µg/m ³ (NOEL) | 6 hours per day |

STOT-single exposure

| Ingredient name | Category | Route of exposure | Target organs |
|--|------------|-------------------|------------------------------|
| Benzene-1,2,4-tricarboxylic acid 1,2-anhydride CAS 552-30-7 | Category 3 | — | Respiratory tract irritation |
| Benzene-1,2,4-tricarboxylic acid CAS 528-44-9 | Category 3 | — | Respiratory tract irritation |

STOT-repeated exposure

No data.

Aspiration hazard

No data.

11.2 Information on likely routes of exposure

No data.

Potential acute health effects

Eye contact Causes eye irritation.

Inhalation Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs.

Skin contact No known significant effects or critical hazards.

Ingestion No known significant effects or critical hazards.

11.3 Symptoms related to the physical, chemical and toxicological characteristics

Eye contact Adverse symptoms may include the following: pain or irritation, watering, redness.

Inhalation Adverse symptoms may include the following: respiratory tract irritation, coughing.

Skin contact No specific data.

Ingestion No specific data.

11.4 Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects Not available.

Potential delayed effects Not available.

Long term exposure

Potential immediate effects Not available.

Potential delayed effects Not available.

Potential chronic health effects

| Ingredient name | Result | Species | Dose | Exposure |
|--|---|-------------------|--|----------------------------------|
| Benzene-1,2,4-tricarboxylic acid 1,2-anhydride CAS 552-30-7 | Sub-chronic NOAEL Oral | Rat - Male,Female | 10000 mg/kg/day (Highest tested dose) | — |
| | Sub-acute LOAEC Inhalation Dusts and mists | Rat - Male,Female | 0.2 mg/m ³ | 6 hours /day; 5 days per week |
| Benzene-1,2,4-tricarboxylic acid CAS 528-44-9 | Sub-acute NOEL Oral | Rat - Male,Female | 300 mg/kg/day | 4 weeks; 5 days per week |
| | Sub-acute LOAEC Inhalation Dusts and mists | Rat - Male,Female | 300 µg/m ³ (Highest tested dose) | 6 hours /day; 5 days per week |

General Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation.

Carcinogenicity No known significant effects or critical hazards.

Mutagenicity No known significant effects or critical hazards.

Reproductive toxicity No known significant effects or critical hazards.

11.5 Numerical measures of toxicity(such as acute toxicity estimates)

Acute toxicity estimate

| Ingredient name | Oral mg/kg | Dermal mg/kg | Inhalation (gases) (ppm) | Inhalatio(vapours) (mg/l) | Inhalation(dusts and mists) (mg/l) |
|--|---------------|-----------------|-------------------------------|--------------------------------|---|
| Benzene-1,2,4-tricarboxylic acid 1,2-anhydride CAS 552-30-7 | 2030 | N/A | N/A | N/A | N/A |

| | | | | | |
|--|------|-----|-----|-----|-----|
| Benzene-1,2,4-tricarboxylic acid CAS 528-44-9 | 2730 | N/A | N/A | N/A | N/A |
|--|------|-----|-----|-----|-----|

SECTION 12: Ecological information

12.1 Toxicity

| Ingredient name | Result | Species | Exposure |
|--|---|---------|----------|
| Benzene-1,2,4-tricarboxylic acid 1,2-anhydride CAS 552-30-7 | Acute EC ₅₀ > 739 mg/l Fresh water | Algae | 96 hours |
| | Acute EC ₅₀ > 792 mg/l Fresh water | Daphnia | 48 hours |
| | Acute LC ₅₀ > 957 mg/l Fresh water | Fish | 96 hours |
| Benzene-1,2,4-tricarboxylic acid CAS 528-44-9 | Acute EC ₀ > 792 mg/l Fresh water | Daphnia | 48 hours |
| | Acute LC ₀ > 1000 mg/l Fresh water | Fish | 96 hours |
| | Acute NOEC > 739 mg/l Fresh water | Algae | 96 hours |

12.2 Persistence and degradability

| Ingredient name | Test | Result | Dose | Inoculum |
|--|---|---------------|------|----------|
| Benzene-1,2,4-tricarboxylic acid 1,2-anhydride CAS 552-30-7 | OECD 301B Ready Biodegradability-CO ₂ Evolution Test | 77.4%-28 days | — | — |
| Benzene-1,2,4-tricarboxylic acid CAS 528-44-9 | OECD 301B Ready Biodegradability-CO ₂ Evolution Test | > 60%-7 days | — | — |

| Ingredient name | Aquatic half-life | Photolysis | Biodegradability |
|--|-------------------|------------|------------------|
| Benzene-1,2,4-tricarboxylic acid 1,2-anhydride CAS 552-30-7 | — | — | Readily |
| Benzene-1,2,4-tricarboxylic acid CAS 528-44-9 | — | — | Readily |

12.3 Bioaccumulative potential

| Ingredient name | LogP _{ow} | BCF | Potential |
|--|--------------------|-----|-----------|
| Benzene-1,2,4-tricarboxylic acid 1,2-anhydride CAS 552-30-7 | 0.06 | — | low |
| Benzene-1,2,4-tricarboxylic acid CAS 528-44-9 | 0.95 | 3.2 | low |

12.4 Mobility in soil

Soil/water partition coefficient (K_{oc}) No data.

12.5 Results of PBT and vPvB assessment

PBT Not applicable.

vPvB Not applicable.

12.6 Other adverse effects

No known significant effects or critical hazards.

SECTION 13: Disposal considerations

13.1 Disposal methods

Waste chemicals

The generation of waste should be avoided or reduced as much as possible. The disposal of products, solutions and by-products shall comply with environmental protection. Dispose of surplus and non-renewable products through a licensed waste disposal contractor. Waste should not be discharged into the sewer without disposal, unless it fully complies with the requirements of the competent authority in all jurisdictions. Requirements of waste disposal regulations and relevant local regulations.

Contaminated packaging

Should be recycled. Only when recycling is not feasible, should incineration or landfill be considered. Use safe methods to dispose of this product and its container. Empty containers or linings may retain some product residues. Avoid spreading and running away of spillage, and avoid spillage from contacting and entering the soil, rivers, sewers and sewage pipes.

13.2 Disposal considerations

Please refer to the "Disposal methods" section.

13.3 Other information

As far as the supplier currently knows, this product is not considered hazardous waste.

SECTION 14: Transport information

| | UN | IMDG | IATA |
|--|----------------|----------------|----------------|
| <u>UN number</u> | Not regulated. | Not regulated. | Not regulated. |
| <u>UN proper shipping name</u> | — | — | — |
| <u>Transport hazard class(es)</u> | — | — | — |
| <u>Packing group, if applicable</u> | — | — | — |
| <u>Environmental hazards</u> | No | No | No |
| <u>Additional information</u> | — | — | — |

Special precautions for user Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according to IMO instruments

Not available.

SECTION 15: Regulatory information

15.1 Inventory information

| <i>All substances of this material</i> | | | | | | | | | | | |
|--|-------|------|-------|-------|------|------|------|--------|------|------|--|
| AICS | IECSC | ENCS | NZloc | PICCS | TCSI | NCI | KECL | EINECS | TSCA | DSL | |
| List | List | List | List | List | List | List | List | List | List | List | |

| | |
|----------|--|
| 【AICS】 | Australian Inventory of Chemical Substances. |
| 【IECSC】 | The Inventory of Existing Chemical Substance in China. |
| 【ENCS】 | Japan Inventory of Existing and Notified Substances. |
| 【NZloc】 | New Zealand Inventory. |
| 【PICCS】 | Philippine Inventory of Chemicals and Chemical Substances. |
| 【TCSI】 | Taiwan Chemical Substance Inventory of china. |
| 【NCI】 | Vietnam National Chemical Inventory. |
| 【KECL】 | Korean Existing Chemicals List. |
| 【EINECS】 | European Inventory of Existing commercial Chemical Substances. |
| 【TSCA】 | Toxic Substances Control Act Inventory in U.S.A. |
| 【DSL】 | Domestic Substances List in Canada. |

15.2 International regulations

| <i>All substances of this material</i> | | | | | |
|--|-------------|-------------|-------------|-------------|--|
| A | B | C | D | E | |
| Not listed. | Not listed. | Not listed. | Not listed. | Not listed. | |

- 【A】 Chemical Weapon Convention List Schedules I, II & III Chemicals
 【B】 Montreal Protocol (Annexes A, B, C, E)
 【C】 Stockholm Convention on Persistent Organic Pollutants
 【D】 Rotterdam Convention on Prior Inform Consent (PIC)
 【E】 UNECE Aarhus Protocol on POPs and Heavy Metals

SECTION 16: Other information

16.1 Revision information

| | |
|-------------------|---|
| Reasons for Issue | Sections 1, 2, 3, 8, 9, and 15 have been revised. |
| Issue date | 05/28/2021. |
| Last issue date | 02/18/2019. |
| Version | 4.6.0.2. |

16.2 Reference

- 【1】 IPCS:The International Chemical Safety Cards (ICSC) ,website: <http://www.ilo.org/dyn/icsc/showcard.home>。
 【2】 IARC, website: <http://www.iarc.fr/>.
 【3】 OECD: The Global Portal to Information on Chemical Substances, website: <http://www.echemportal.org/echemportal/index?page>.
 【4】 CAMEO Chemicals, website: <http://cameochemicals.noaa.gov/search/simple>.
 【5】 NLM:ChemIDplus, website: <http://chem.sis.nlm.nih.gov/chemidplus/chemidlite.jsp>.
 【6】 EPA: Integrated Risk Information System, website: <http://cfpub.epa.gov/iris/>.
 【7】 U.S. Department of Transportation:ERG, website: <http://www.phmsa.dot.gov/hazmat/library/erg>.
 【8】 Germany GESTIS-database on hazard substance, website: <http://gestis-en.itrust.de/>.

16.3 Abbreviations and acronyms

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| CAS-Chemical Abstracts Service | UN-The United Nations |
| PC-STEL- Short term exposure limit | PC-TWA - Time Weighted Average |
| DNEL - Derived No Effect Leve | IARC - International Agency for Research on Cancer |
| RPE - Respiratory Protective Equipment | PNEC –Predicted No Effect Concentration |
| LC ₅₀ - Lethal Concentration 50% | LD ₅₀ - Lethal Dose 50% |
| NOEC -No Observed Effect Concentration | EC ₅₀ - Effective Concentration 50% |
| PBT - Persistent, Bioaccumulative, Toxic | POW - Partition coefficient Octanol:Water |
| BCF - Bioconcentration factor (BCF) | vPvB - very Persistent, very Bioaccumulative |
| CMR - Carcinogens, mutagens or substances toxic to reproduction | IMDG-International Maritime Dangerous Goods |
| ICAO/IATA-International Civil Aviation Organization/International Air Transportation Association | NFPA-National Fire Protection Association |
| ACGIH-American Conference of Governmental Industrial Hygienists | OECD-Organization for Economic Co-operation and Development |

Disclaimer

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