

SAFETY DATA SHEET

Interplate 855 Green Part A

Section 1. Identification

Interplate 855 Green Part A : GHS product identifier
NQA858 : Product code

| Identified uses | |
|---|--------|
| Professional application of coatings and inks | |
| Uses advised against | Reason |
| All Other Uses | |

International Paint Ltd. : **Supplier's details**
 Stoneygate Lane
 Felling
 Gateshead
 Tyne and Wear
 NE10 0JY UK
 Tel: +44 (0)191 469 6111 Fax: +44 (0)191 438 3711

+44 (0)191 469 6111 (24H) : **Emergency telephone number (with hours of operation)**
 +966 55 388 0087 : **National advisory body/ Poison Centre (For use only by licensed medical professionals.)**
 sdsfellinguk@akzonobel.com : **e-mail address of person responsible for this SDS**

Section 2. Hazards identification

FLAMMABLE LIQUIDS - Category 2 : **Classification of the substance or mixture**
 SKIN CORROSION/IRRITATION - Category 2
 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A
 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (hearing organs) - Category 1
 ACUTE AQUATIC HAZARD - Category 1
 LONG-TERM AQUATIC HAZARD - Category 1

GHS label elements



: **Hazard pictograms**

Danger : **Signal word**
 Highly flammable liquid and vapour. : **Hazard statements**
 Causes serious eye irritation.
 Causes skin irritation.
 Causes damage to organs through prolonged or repeated exposure. (hearing organs)
 Very toxic to aquatic life with long lasting effects.

Precautionary statements

Section 2. Hazards identification

| | |
|--|--|
| <p>Wear protective gloves. Wear eye or face protection. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use explosion-proof electrical, ventilating, lighting and all material-handling equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Keep container tightly closed. Avoid release to the environment. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Do not breathe gas, vapour or spray.</p> | : Prevention |
| <p>Collect spillage. Get medical attention if you feel unwell. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical attention. 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 attention.</p> | : Response |
| <p>Store in a well-ventilated place. Keep cool.</p> | : Storage |
| <p>Dispose of contents and container in accordance with all local, regional, national and international regulations.</p> | : Disposal |
| <p>Wear appropriate respirator when ventilation is inadequate.</p> | : Supplemental label elements |
| <p>None known.</p> | : Other hazards which do not result in classification |

Section 3. Composition/information on ingredients

| | |
|---------|----------------------------|
| Mixture | : Substance/mixture |
|---------|----------------------------|

| Classification | CAS number | % by weight | Ingredient name |
|--|------------|-------------|---------------------------------------|
| Aquatic Acute 1, H400 Aquatic Chronic 1, H410 | 7440-66-6 | ≥25 - ≤50 | Zinc powder - zinc dust (stabilized) |
| Flam. Liq. 3, H226 Acute Tox. 4, H312 Acute Tox. 4, H332 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335 Asp. Tox. 1, H304 | 1330-20-7 | ≥10 - <16 | xylene |
| Flam. Liq. 2, H225 Acute Tox. 5, H303 Skin Irrit. 3, H316 Eye Irrit. 2A, H319 STOT SE 3, H336 | 67-63-0 | ≤10 | Isopropyl alcohol |
| Flam. Liq. 2, H225 Acute Tox. 4, H332 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335 STOT RE 2, H373 (hearing organs) Asp. Tox. 1, H304 | 100-41-4 | <4 | ethylbenzene |
| Flam. Liq. 3, H226 STOT SE 3, H336 | 107-98-2 | ≤5 | 1-methoxy-2-propanol |
| STOT RE 1, H372 | 14808-60-7 | ≤3 | crystalline silica, respirable powder |
| Aquatic Acute 1, H400 Aquatic Chronic 1, H410 | 1314-13-2 | ≤3 | zinc oxide |

Section 3. Composition/information on ingredients

There are no 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

Description of necessary first aid measures

| | |
|---|-----------------------|
| Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention. | : Eye contact |
| Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention following exposure or if feeling unwell. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. | : Inhalation |
| Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse. | : Skin contact |
| Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention following exposure or if feeling unwell. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. | : Ingestion |

Most important symptoms/effects, acute and delayed

Potential acute health effects

| | |
|---|-----------------------|
| Causes serious eye irritation. | : Eye contact |
| No known significant effects or critical hazards. | : Inhalation |
| Causes skin irritation. | : Skin contact |
| Irritating to mouth, throat and stomach. | : Ingestion |

Over-exposure signs/symptoms

| | |
|--|-----------------------|
| Adverse symptoms may include the following: pain or irritation watering redness | : Eye contact |
| Adverse symptoms may include the following: headache drowsiness/fatigue dizziness/vertigo muscle weakness unconsciousness | : Inhalation |
| Adverse symptoms may include the following: irritation redness | : Skin contact |
| No specific data. | : Ingestion |

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

Section 4. First aid measures

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

: Notes to physician

No specific treatment.

: Specific treatments

No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

: Protection of first-aiders

See toxicological information (Section 11)

Section 5. Firefighting measures

Extinguishing media

Use dry chemical, CO₂, water spray (fog) or foam.

: Suitable extinguishing media

Do not use water jet.

: Unsuitable extinguishing media

Highly flammable liquid and vapour. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Runoff to sewer may create fire or explosion hazard. This material is very toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

: Specific hazards arising from the chemical

Decomposition products may include the following materials:

carbon dioxide
carbon monoxide
metal oxide/oxides

: Hazardous thermal decomposition products

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

: Special protective actions for fire-fighters

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

: Special protective equipment for fire-fighters

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

: For non-emergency personnel

If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

: For emergency responders

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.

: Environmental precautions

Methods and material for containment and cleaning up

Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

: Small spill

Section 6. Accidental release measures

Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

: **Large spill**

Section 7. Handling and storage

Precautions for safe handling

Put on appropriate personal protective equipment (see Section 8). Do not breathe vapour or mist. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.

: **Protective measures**

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

: **Advice on general occupational hygiene**

Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Eliminate all ignition sources. Vapours are heavier than air and may spread along floors. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

: **Conditions for safe storage, including any incompatibilities**

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

| Exposure limits | Ingredient name |
|---|---------------------------------------|
| ACGIH TLV (United States, 3/2015). STEL: 651 mg/m ³ 15 minutes. STEL: 150 ppm 15 minutes. TWA: 434 mg/m ³ 8 hours. TWA: 100 ppm 8 hours. | xylene |
| ACGIH TLV (United States, 3/2015). STEL: 400 ppm 15 minutes. TWA: 200 ppm 8 hours. | Isopropyl alcohol |
| ACGIH TLV (United States, 3/2015). TWA: 20 ppm 8 hours. | ethylbenzene |
| ACGIH TLV (United States, 3/2015). STEL: 369 mg/m ³ 15 minutes. STEL: 100 ppm 15 minutes. TWA: 184 mg/m ³ 8 hours. TWA: 50 ppm 8 hours. | 1-methoxy-2-propanol |
| ACGIH TLV (United States, 3/2015). | crystalline silica, respirable powder |

Section 8. Exposure controls/personal protection

| | |
|---|---|
| <p>TWA: 0.025 mg/m³ 8 hours. Form: Respirable fraction ACGIH TLV (United States, 3/2015). STEL: 10 mg/m³ 15 minutes. Form: Respirable fraction TWA: 2 mg/m³ 8 hours. Form: Respirable fraction</p> | <p style="text-align: center;">zinc oxide</p> |
|---|---|

Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapour or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment. **: Appropriate engineering controls**

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels. **: Environmental exposure controls**

Individual protection measures

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location. **: Hygiene measures**

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles. **: Eye/face protection**

Skin protection

Use chemical resistant gloves classified under Standard EN 374: Protective gloves against chemicals and micro-organisms. Recommended: Viton® or Nitrile gloves. When prolonged or frequently repeated contact may occur, a glove with a protection class of 6 (breakthrough time greater than 480 minutes according to EN 374) is recommended. When only brief contact is expected, a glove with a protection class of 2 or higher (breakthrough time greater than 30 minutes according to EN 374) is recommended. The user must check that the final choice of type of glove selected for handling this product is the most appropriate and takes into account the particular conditions of use, as included in the user's risk assessment. NOTICE: The selection of a specific glove for a particular application and duration of use in a workplace should also take into account all relevant workplace factors such as, but not limited to: Other chemicals which may be handled, physical requirements (cut/puncture protection, dexterity, thermal protection), potential body reactions to glove materials, as well as the instructions/specifications provided by the glove supplier. Barrier creams may help to protect the exposed areas of the skin but should not be applied once exposure has occurred. **: Hand protection**

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves. **: Body protection**

Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. **: Other skin protection**

Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. **: Respiratory protection**

Section 9. Physical and chemical properties

Appearance

| | |
|--|--|
| Liquid. | : Physical state |
| Green. | : Colour |
| Solvent. | : Odour |
| Not available. | : Odour threshold |
| Not applicable. | : pH |
| Not available. | : Melting point |
| Lowest known value: 136.16°C (277.1°F) (xylene). | : Boiling point |
| Closed cup: 15°C (59°F) | : Flash point |
| Not available. | : Evaporation rate |
| Not available. | : Flammability (solid, gas) |
| Greatest known range: Lower: 2% Upper: 12% (Isopropyl alcohol) | : Lower and upper explosive (flammable) limits |
| Not available. | : Vapour pressure |
| Not available. | : Vapour density |
| 1.94 | : Relative density |
| Insoluble in the following materials: cold water. | : Solubility |
| Not available. | : Partition coefficient: n-octanol/water |
| Not available. | : Auto-ignition temperature |
| Not available. | : Decomposition temperature |
| Kinematic (room temperature): 184.84 mm ² /s (184.84 cSt) | : Viscosity |

Section 10. Stability and reactivity

| | |
|---|--------------------------------------|
| No specific test data related to reactivity available for this product or its ingredients. | : Reactivity |
| The product is stable. | : Chemical stability |
| Under normal conditions of storage and use, hazardous reactions will not occur. | : Possibility of hazardous reactions |
| Avoid all possible sources of ignition (spark or flame). Do not pressurise, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. | : Conditions to avoid |
| Reactive or incompatible with the following materials: oxidizing materials | : Incompatible materials |
| Under normal conditions of storage and use, hazardous decomposition products should not be produced. | : Hazardous decomposition products |

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Section 11. Toxicological information

| Exposure | Dose | Species | Result | Product/ingredient name |
|----------|-------------|---------|----------------------|-------------------------|
| - | 4300 mg/kg | Rat | LD50 Oral | xylene |
| - | 12800 mg/kg | Rabbit | LD50 Dermal | Isopropyl alcohol |
| - | 5000 mg/kg | Rat | LD50 Oral | |
| 4 hours | 4000 ppm | Rabbit | LC50 Inhalation Gas. | ethylbenzene |
| - | 17800 mg/kg | Rabbit | LD50 Dermal | |
| - | 3500 mg/kg | Rat | LD50 Oral | |
| - | 13 g/kg | Rabbit | LD50 Dermal | 1-methoxy-2-propanol |
| - | 6600 mg/kg | Rat | LD50 Oral | |

Irritation/Corrosion

| Observation | Exposure | Score | Species | Result | Product/ingredient name |
|-------------|-------------------------|-------|---------|--------------------------|-------------------------|
| - | 24 hours 100 milligrams | - | Rabbit | Eyes - Moderate irritant | Isopropyl alcohol |
| - | 10 milligrams | - | Rabbit | Eyes - Moderate irritant | |
| - | 100 milligrams | - | Rabbit | Eyes - Severe irritant | |
| - | 500 milligrams | - | Rabbit | Skin - Mild irritant | |
| - | 500 milligrams | - | Rabbit | Eyes - Severe irritant | ethylbenzene |
| - | 24 hours 15 milligrams | - | Rabbit | Skin - Mild irritant | |
| - | 24 hours 500 milligrams | - | Rabbit | Eyes - Mild irritant | 1-methoxy-2-propanol |
| - | 500 milligrams | - | Rabbit | Skin - Mild irritant | |
| - | 24 hours 500 milligrams | - | Rabbit | Eyes - Mild irritant | zinc oxide |
| - | 24 hours 500 milligrams | - | Rabbit | Skin - Mild irritant | |

Sensitisation

Not available.

Mutagenicity

Not available.

Carcinogenicity

Not available.

Reproductive toxicity

Not available.

Teratogenicity

Not available.

Specific target organ toxicity (single exposure)

| Target organs | Route of exposure | Category | Name |
|------------------------------|-------------------|------------|----------------------|
| Respiratory tract irritation | Not applicable. | Category 3 | xylene |
| Narcotic effects | Not applicable. | Category 3 | Isopropyl alcohol |
| Respiratory tract irritation | Not applicable. | Category 3 | ethylbenzene |
| Narcotic effects | Not applicable. | Category 3 | 1-methoxy-2-propanol |

Specific target organ toxicity (repeated exposure)

Section 11. Toxicological information

| Target organs | Route of exposure | Category | Name |
|----------------------------------|----------------------------------|--------------------------|---|
| hearing organs Not determined | Not determined Not determined | Category 2 Category 1 | ethylbenzene crystalline silica, respirable powder |

Aspiration hazard

| Result | Name |
|--|------------------------|
| ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1 | xylene ethylbenzene |

Not available. : **Information on likely routes of exposure**

Potential acute health effects

Causes serious eye irritation. : **Eye contact**
 No known significant effects or critical hazards. : **Inhalation**
 Causes skin irritation. : **Skin contact**
 Irritating to mouth, throat and stomach. : **Ingestion**

Symptoms related to the physical, chemical and toxicological characteristics

Adverse symptoms may include the following: : **Eye contact**
 pain or irritation
 watering
 redness
 Adverse symptoms may include the following: : **Inhalation**
 headache
 drowsiness/fatigue
 dizziness/vertigo
 muscle weakness
 unconsciousness
 Adverse symptoms may include the following: : **Skin contact**
 irritation
 redness
 No specific data. : **Ingestion**

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

Short term exposure

Not available. : **Potential immediate effects**
 Not available. : **Potential delayed effects**

Long term exposure

Not available. : **Potential immediate effects**
 Not available. : **Potential delayed effects**

Potential chronic health effects

Not available.
 Causes damage to organs through prolonged or repeated exposure. : **General**
 No known significant effects or critical hazards. : **Carcinogenicity**
 No known significant effects or critical hazards. : **Mutagenicity**
 No known significant effects or critical hazards. : **Teratogenicity**
 No known significant effects or critical hazards. : **Developmental effects**
 No known significant effects or critical hazards. : **Fertility effects**

Section 11. Toxicological information

Numerical measures of toxicity

Acute toxicity estimates

| ATE value | Route |
|---------------|----------------------|
| 63613.2 mg/kg | Oral |
| 7517.8 mg/kg | Dermal |
| 60.14 mg/l | Inhalation (vapours) |

Section 12. Ecological information

Toxicity

| Exposure | Species | Result | Product/ingredient name |
|----------|--|---|--------------------------------------|
| 96 hours | Algae - Ulva pertusa | Acute EC50 0.572 mg/l Marine water | Zinc powder - zinc dust (stabilized) |
| 48 hours | Daphnia - Daphnia magna | Acute EC50 356 µg/l Fresh water | |
| 96 hours | Fish - Oncorhynchus mykiss | Acute LC50 0.24 mg/l Fresh water | xylene |
| 72 hours | Algae - Pseudokirchneriella subcapitata - Exponential growth phase | Chronic NOEC 72.9 µg/l Fresh water | |
| 3 days | Aquatic plants - Ceratophyllum demersum | Chronic NOEC 9 mg/l Fresh water | |
| 21 days | Crustaceans - Palaemon elegans | Chronic NOEC 178 µg/l Marine water | Isopropyl alcohol |
| 4 weeks | Fish - Cyprinus carpio | Chronic NOEC 2.6 µg/l Fresh water | |
| 48 hours | Crustaceans - Palaemonetes pugio | Acute LC50 8500 µg/l Marine water | ethylbenzene |
| 96 hours | Fish - Pimephales promelas | Acute LC50 13400 µg/l Fresh water | |
| 48 hours | Crustaceans - Crangon crangon | Acute LC50 1400000 to 1950000 µg/l Marine water | zinc oxide |
| 96 hours | Fish - Gambusia affinis | Acute LC50 1400000 µg/l | |
| 96 hours | Algae - Pseudokirchneriella subcapitata | Acute EC50 3.6 mg/l Fresh water | ethylbenzene |
| 48 hours | Daphnia - Daphnia magna - Neonate | Acute LC50 18.4 to 25.4 mg/l Fresh water | |
| 96 hours | Fish - Menidia menidia | Acute LC50 5.1 to 5.7 mg/l Marine water | zinc oxide |
| 72 hours | Algae - Pseudokirchneriella subcapitata - Exponential growth phase | Acute EC50 0.042 mg/l Fresh water | |
| 48 hours | Daphnia - Daphnia magna - Neonate | Acute EC50 1 mg/l Fresh water | zinc oxide |
| 72 hours | Algae - Selenastrum capricornutum | Acute IC50 0.17 mg/l | |
| 96 hours | Fish - Oncorhynchus Mykiss | Acute LC50 1.1 mg/l | zinc oxide |
| 72 hours | Algae - Pseudokirchneriella subcapitata - Exponential growth phase | Chronic NOEC 0.017 mg/l Fresh water | |

Persistence and degradability

| Biodegradability | Photolysis | Aquatic half-life | Product/ingredient name |
|------------------|------------|-------------------|-------------------------|
| Readily | - | - | ethylbenzene |
| Not readily | - | - | zinc oxide |

Bioaccumulative potential

Section 12. Ecological information

| Potential | BCF | LogP _{ow} | Product/ingredient name |
|-----------|-------------|--------------------|-------------------------|
| low | 8.1 to 25.9 | 3.12 | xylene |
| low | - | 0.05 | Isopropyl alcohol |
| low | 15 | 3.6 | ethylbenzene |
| low | - | <1 | 1-methoxy-2-propanol |
| high | 60960 | - | zinc oxide |

Mobility in soil

Not available.

: Soil/water partition coefficient (K_{oc})

No known significant effects or critical hazards.

: Other adverse effects





Section 13. Disposal considerations

The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

: Disposal methods

Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapour from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

| IATA | IMDG | UN | |
|--|--|--|----------------------------|
| UN1263 | UN1263 | UN1263 | UN number |
| PAINT | PAINT. Marine pollutant (Zinc powder - zinc dust (stabilized), zinc oxide) | PAINT | UN proper shipping name |
| 3  | 3   | 3  | Transport hazard class(es) |
| II | II | II | Packing group |
| No. | Yes. | No. | Environmental hazards |
| The environmentally hazardous substance mark may appear if required by other transportation regulations. | The marine pollutant mark is not required when transported in sizes of ≤5 L or ≤5 kg. | - | Additional information |

Not applicable.

: IMDG Code Segregation group

Section 14. Transport information

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. : **Special precautions for user**

Not available. : **Transport in bulk according to Annex II of Marpol and the IBC Code**

Section 15. Regulatory information

No known specific national and/or regional regulations applicable to this product (including its ingredients). : **Safety, health and environmental regulations specific for the product**

Section 16. Other information

Justification

| Justification | Classification |
|-----------------------|----------------------------------|
| On basis of test data | Flam. Liq. 2, H225 |
| Calculation method | Skin Irrit. 2, H315 |
| Calculation method | Eye Irrit. 2A, H319 |
| Calculation method | STOT RE 1, H372 (hearing organs) |
| Calculation method | Aquatic Acute 1, H400 |
| Calculation method | Aquatic Chronic 1, H410 |

History

05/06/2017 : **Date of printing**
 05/06/2017 : **Date of issue/Date of revision**
 08/07/2016 : **Date of previous issue**
 3 : **Version**
 ATE = Acute Toxicity Estimate : **Key to abbreviations**
 BCF = Bioconcentration Factor
 GHS = Globally Harmonized System of Classification and Labelling of Chemicals
 IATA = International Air Transport Association
 IBC = Intermediate Bulk Container
 IMDG = International Maritime Dangerous Goods
 LogPow = logarithm of the octanol/water partition coefficient
 MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
 UN = United Nations

Not available. : **References**

Indicates information that has changed from previously issued version.

Notice to reader

IMPORTANT NOTE: the information contained in this data sheet (as may be amended from time to time) is not intended to be exhaustive and is presented in good faith and believed to be correct as of the date on which it is prepared. It is the user's responsibility to verify that this data sheet is current prior to using the product to which it relates.

Persons using the information must make their own determinations as to the suitability of the relevant product for their purposes prior to use. Where those purposes are other than as specifically recommended in this safety data sheet, then the user uses the product at their own risk.

MANUFACTURER'S DISCLAIMER: the conditions, methods and factors affecting the handling, storage, application, use and disposal of the product are not under the control and knowledge of the manufacturer. Therefore the manufacturer does not assume responsibility for any adverse events which may occur in the handling, storage, application, use, misuse or disposal of the product and, so far as permitted by applicable

Section 16. Other information

law, the manufacturer expressly disclaims liability for any and all loss, damages and/or expenses arising out of or in any way connected to the storage, handling, use or disposal of the product. Safe handling, storage, use and disposal are the responsibility of the users. Users must comply with all applicable health and safety laws.

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