

AkzoNobel

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2020/878

SAFETY DATA SHEET

BERGERMASTER CRAFTSMAN NUKOTE SAND STREAM

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

GHS product identifier : ▼BERGERMASTER CRAFTSMAN NUKOTE SAND STREAM

1.2. Relevant identified uses of the substance or mixture and uses advised againstProduct use : Waterborne coating for interior and exterior use.

1.3. Details of the supplier of the safety data sheet

ICI DULUX (PTY) LTD NO. 1 PAINTS PLACE DICKENS ROAD UMBOGINTWINI

4126

SOUTH AFRICA

e-mail address of person responsible for this SDS

: ZA.Helpline@akzonobel.com

1.4 Emergency telephone number

Supplier

Telephone number: Customer Care 0860 330 111 (Available week days from 08:00 to 16:30).

Emergency details: after hours: refer to website for MSDS.

Version : 2.01

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SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition : Mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Skin Sens. 1, H317 Aquatic Chronic 3, H412

The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements

Hazard pictograms :



Signal word : Warning

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SECTION 2: Hazards identification

Hazard statements : H317 - May cause an allergic skin reaction.

H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements

General : P102 - Keep out of reach of children.

P101 - If medical advice is needed, have product container or label at hand.

Prevention : P280 - Wear protective gloves.

P273 - Avoid release to the environment.

P261 - Avoid breathing vapor.

Response : P362 + P364 - Take off contaminated clothing and wash it before reuse.

P302 + P352 - IF ON SKIN: Wash with plenty of water.

P333 + P313 - If skin irritation or rash occurs: Get medical advice or attention.

: Not applicable. Storage

Disposal : P501 - Dispose of contents and container in accordance with all local, regional,

national or international regulations.

Hazardous ingredients

Supplemental label

elements

: C(M)IT/MIT(3:1)

: Not applicable.

: Warning! Hazardous respirable droplets may be formed when sprayed. Do not

breathe spray or mist.

Annex XVII - Restrictions on the manufacture, placing on the market and

use of certain dangerous substances, mixtures and articles

Special packaging requirements

Containers to be fitted with child-resistant

fastenings

: Not applicable.

Tactile warning of danger : Not applicable.

2.3 Other hazards

Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006. Annex XIII

: This mixture does not contain any substances that are assessed to be a PBT or a

vPvB.

Other hazards which do not result in classification : None known.

SECTION 3: Composition/information on ingredients

3.2 Mixtures : Mixture

| Product/ingredient name | Identifiers | % | Classification | Specific Conc. Limits, M-factors and ATEs | Туре |
|--|--|------|-------------------------------------|---|---------|
| Solvent naphtha (petroleum), heavy arom. | EC: 265-198-5 CAS: 64742-94-5 Index: 649-424-00-3 | ≤3 | Asp. Tox. 1, H304 | - | [1] |
| Titanium dioxide | REACH #: 01-2119489379-17 EC: 236-675-5 CAS: 13463-67-7 | ≤3 | Carc. 2, H351 (inhalation) | - | [1] [*] |
| Naphthalene | EC: 202-049-5 CAS: 91-20-3 | ≤0.3 | Acute Tox. 4, H302 Carc. 2, H351 | ATE [Oral] = 500 mg/kg | [1] [2] |

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SECTION 3: Composition/information on ingredients

| | Index: 601-052-00-2 | | Aquatic Acute 1, H400 Aquatic Chronic 1, H410 | M [Acute] = 1 M [Chronic] = 1 | |
|-----------------|--|--------|--|--|---------|
| ammonia | EC: 215-647-6 CAS: 1336-21-6 | ≤0.3 | Skin Corr. 1B, H314 Eye Dam. 1, H318 STOT SE 3, H335 Aquatic Acute 1, H400 | STOT SE 3, H335: C ≥ 5% M [Acute] = 1 | [1] [2] |
| C(M)IT/MIT(3:1) | REACH #: 01-2120764691-48 CAS: 55965-84-9 Index: 613-167-00-5 | ≤0.015 | Acute Tox. 3, H301 Acute Tox. 2, H310 Acute Tox. 2, H330 Skin Corr. 1C, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 EUH071 | ATE [Oral] = 100 mg/kg ATE [Dermal] = 50 mg/kg ATE [Inhalation (dusts and mists)] = 0.05 mg/l Skin Corr. 1C, H314: $C \ge 0.6\%$ Skin Irrit. 2, H315: $0.06\% \le C < 0.6\%$ Eye Dam. 1, H318: $C \ge 0.6\%$ Eye Irrit. 2, H319: $0.06\% \le C < 0.6\%$ Skin Sens. 1, H317: $C \ge 0.0015\%$ M [Acute] = 100 M [Chronic] = 100 | [1] |
| | | | See Section 16 for the full text of the H statements declared above. | | |

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, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

<u>Type</u>

Substance classified with a health or environmental hazard

- [2] Substance with a workplace exposure limit
- [*] The classification as a carcinogen by inhalation applies only to mixtures placed on the market in powder form containing 1% or more of titanium dioxide particles with aerodynamic diameter ≤ 10 µm not bound within a matrix.

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

SECTION 4: First aid measures

4.1 Description of first aid measures

Eye contact

: 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 if irritation occurs.

Inhalation

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 if adverse health effects persist or are severe. 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.

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SECTION 4: First aid measures

Skin contact

: Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Ingestion

: Wash out mouth with water. Remove dentures if any. 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 if adverse health effects persist or are severe. 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.

Protection of first-aiders

: 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. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

4.2 Most important symptoms and effects, both acute and delayed

There are no data available on the mixture itself. The mixture has been assessed following the conventional method of the CLP Regulation (EC) No 1272/2008 and is classified for toxicological properties accordingly. See Sections 2 and 3 for details.

Exposure to component solvent vapor concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness.

Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis and absorption through the skin.

If splashed in the eyes, the liquid may cause irritation and reversible damage.

Ingestion may cause nausea, diarrhea and vomiting.

This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

Contains C(M)IT/MIT(3:1). May produce an allergic reaction.

Over-exposure signs/symptoms

Eye contact : No specific data. **Inhalation** : No specific data.

Skin contact: Adverse symptoms may include the following:

irritation redness

Ingestion: No specific data.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician : Treat symptomatically. Contact poison treatment specialist immediately if large

quantities have been ingested or inhaled.

Specific treatments: No specific treatment.

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SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing

media

: Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing

media

: None known.

5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture : In a fire or if heated, a pressure increase will occur and the container may burst. This material is harmful 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.

Hazardous combustion products

: Decomposition products may include the following materials: carbon dioxide

carbon monoxide metal oxide/oxides

5.3 Advice for firefighters

Special protective actions for fire-fighters

: 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.

Special protective equipment 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. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

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. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders: If specialized 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".

6.2 Environmental precautions

: Avoid dispersal of spilled 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.

6.3 Methods and materials for containment and cleaning up

Small spill

: Stop leak if without risk. Move containers from spill area. 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.

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SECTION 6: Accidental release measures

Large spill

: Stop leak if without risk. Move containers from spill area. Approach 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. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product.

6.4 Reference to other sections

: See Section 1 for emergency contact information. See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

The information in this section contains generic advice and guidance.

7.1 Precautions for safe handling

Protective measures

: Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. Avoid release to the environment. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Advice on general occupational hygiene

: 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 8.2 for additional information on hygiene measures.

7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. 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. 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 unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

7.3 Specific end use(s)

Recommendations : Not available.

Industrial sector specific : Not available.

solutions

SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. Information is provided based on typical anticipated uses of the product. Additional measures might be required for bulk handling or other uses that could significantly increase worker exposure or environmental releases.

8.1 Control parameters

Occupational exposure limits

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SECTION 8: Exposure controls/personal protection

| Product/ingredient name | Exposure limit values |
|-------------------------|--|
| ₩aphthalene | EU OEL (Europe, 1/2022). Notes: list of indicative |
| | occupational exposure limit values |
| | TWA: 10 ppm 8 hours. |
| | TWA: 50 mg/m³ 8 hours. |
| ammonia | EU OEL (Europe, 1/2022). [ammonia, anhydrous] Notes: list of |
| | indicative occupational exposure limit values |
| | TWA: 20 ppm 8 hours. |
| | TWA: 14 mg/m³ 8 hours. |
| | STEL: 50 ppm 15 minutes. |
| | STEL: 36 mg/m³ 15 minutes. |
| | |

procedures

Recommended monitoring: If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

DNELs/DMELs

| Product/ingredient name | Туре | Exposure | Value | Population | Effects |
|------------------------------------|--------|------------------|------------------------|--------------------|---|
| Solvent naphtha (petroleum), heavy | DNEL | Long term Oral | 0.03 mg/ | General | Systemic |
| arom. | | | kg bw/day | population | |
| | DNEL | Long term Dermal | 0.28 mg/ | General | Systemic |
| | | | kg bw/day | population | |
| | DNEL | Long term | 0.69 mg/m ³ | | Local |
| | | Inhalation | | population | |
| | DNEL | Long term | 0.69 mg/m ³ | | Systemic |
| | | Inhalation | | population | |
| | DNEL | Long term Dermal | 0.95 mg/ | Workers | Systemic |
| | DATE | | kg bw/day | \A/ I | |
| | DNEL | Long term | 2.31 mg/m ³ | Workers | Local |
| | DATE | Inhalation | 0.04 | 147 | 0 |
| | DNEL | Long term | 2.31 mg/m ³ | vvorkers | Systemic |
| | DNE | Inhalation | OF 6 mg/ | Conoral | Cyatamia |
| | DNEL | Short term Oral | 25.6 mg/ kg bw/day | General population | Systemic |
| | DNEL | Short term | 143.5 mg/ | General | Local |
| | DINEL | Inhalation | m ³ | population | Lucai |
| | DNEL | Short term | 160.23 mg/ | Workers | Local |
| | DIVLL | Inhalation | m ³ | WORKEIS | Local |
| | DNEL | Short term | 226 mg/m ³ | General | Systemic |
| | D. \L_ | Inhalation | | population | Cycleniic |
| | DNEL | Short term | 384 mg/m ³ | Workers | Systemic |
| | | Inhalation | | | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, |
| Naphthalene | DNEL | Long term Dermal | 3.57 mg/ | Workers | Systemic |
| ' | | 3 | kg bw/day | | * |
| | DNEL | Long term | 25 mg/m³ | Workers | Local |
| | | Inhalation | | | |
| | DNEL | Long term | 25 mg/m³ | Workers | Systemic |
| | | Inhalation | | | |
| C(M)IT/MIT(3:1) | DNEL | Long term | 0.02 mg/m ³ | General | Local |

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SECTION 8: Exposure controls/personal protection

| | Inhalation | | population | |
|------|-----------------|------------------------|------------|----------|
| DNEL | Long term | 0.02 mg/m ³ | Workers | Local |
| | Inhalation | | | |
| DNEL | Short term | 0.04 mg/m ³ | General | Local |
| | Inhalation | | population | |
| DNEL | Short term | 0.04 mg/m ³ | Workers | Local |
| | Inhalation | | | |
| DNEL | Long term Oral | 0.09 mg/ | General | Systemic |
| | | kg bw/day | population | - |
| DNEL | Short term Oral | 0.11 mg/ | General | Systemic |
| | | kg bw/day | population | |
| | | | | |

PNECs

No PNECs available.

8.2 Exposure controls

Appropriate engineering controls

: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Individual protection measures

Hygiene 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. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection

: 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: safety glasses with side-shields.

Skin protection

Hand protection

: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

When prolonged or frequently repeated contact may occur, a glove with a protection class of 6 (breakthrough time >480 minutes according to EN374) is recommended. Recommended gloves: Viton @ or Nitrile, thickness ≥ 0.38 mm. When only brief contact is expected, a glove with protection class of 2 or higher (breakthrough time >30 minutes according to EN374) is recommended. Recommended gloves: Nitrile, thickness ≥ 0.12 mm.

Gloves should be replaced regularly and if there is any sign of damage to the glove material.

The performance or effectiveness of the glove may be reduced by physical/chemical damage and poor maintenance.

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.

Body 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.

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SECTION 8: Exposure controls/personal protection

Other skin 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.

: Based on the hazard and potential for exposure, select a respirator that meets the **Respiratory protection**

appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important

aspects of use.

Environmental exposure

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.

SECTION 9: Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

9.1 Information on basic physical and chemical properties

Appearance

Physical state : Liquid.

Color : Various: See label.

Odor : Not available. Not available. Odor threshold Melting point/freezing point : Not available. Boiling point, initial boiling : 100°C (212°F) point, and boiling range

Flammability Lower and upper explosion

: Not available. : Not available.

limit

: Not available. Flash point

Auto-ignition temperature

| Ingredient name | °C | °F | Method |
|--|------------|-----------------|------------|
| Solvent naphtha (petroleum), heavy arom. | 220 to 250 | 428 to 482 | ASTM E 659 |
| Polypropylene glycol 2025 | 305 | 581 | EU A.15 |
| propane-1,2-diol | 371 | 699.8 | |
| Formaldehyde | 430 | 806 | |
| 1,2,4-trimethylbenzene | 500 | 932 | |
| p-toluenesulphonic acid, containing a maximum of 5 % H2SO4 | >465 | >869 | EU A.15 |
| Naphthalene | 526 to 587 | 978.8 to 1088.6 | DIN 51794 |
| m-xylene | 527 | 980.6 | |

Decomposition temperature : Not available. pН : 9 [DIN EN 1262]

Viscosity : Kinematic: 1149 mm²/s [DIN EN ISO 3219]

Solubility(ies)

| Media | Result |
|------------|--------------------------------|
| cold water | Easily soluble [OESO (TG 105)] |

Partition coefficient: n-octanol/ : Not applicable.

water

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SECTION 9: Physical and chemical properties

Vapor pressure

:

| | Vapor Pressure at 20°C | | e at 20°C | Va | por pressur | e at 50°C |
|--|------------------------|--------|-----------|-------|-------------|-----------|
| Ingredient name | mm Hg | kPa | Method | mm Hg | kPa | Method |
| a mmonia | 360.03 | 48 | | | | |
| Water | 23.8 | 3.2 | | | | |
| m-xylene | 6 | 0.8 | | | | |
| 1,2,4-trimethylbenzene | 2.25 | 0.3 | | | | |
| Formaldehyde | 1 | 0.13 | | | | |
| propane-1,2-diol | 0.15 | 0.02 | EU A.4 | | | |
| Naphthalene | 0.054 | 0.0072 | OECD 104 | | | |
| Solvent naphtha (petroleum), heavy arom. | 0.02 | 0.0027 | | | | |
| Polypropylene glycol 2025 | 0 | 0 | OECD 104 | | | |
| C(M)IT/MIT(3:1) | 0 | 0 | | | | |

Relative density : 1.393

Density : 1.393 g/cm³ [DIN EN ISO 2811-1]

Vapor density : Not available.

Particle characteristics

Median particle size : Not applicable.

Percentage of particles with aerodynamic diameter ≤ 10

μm

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 : The product is stable.

10.3 Possibility of hazardous reactions

: Under normal conditions of storage and use, hazardous reactions will not occur.

10.4 Conditions to avoid : No specific data.

10.5 Incompatible materials : No specific data.

10.6 Hazardous decomposition products

 Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

| Product/ingredient name | Result | Species | Dose | Exposure |
|--|-----------|---------|---------|----------|
| Solvent naphtha (petroleum), heavy arom. | LDLo Oral | Rat | 5 mL/kg | - |

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SECTION 11: Toxicological information

Conclusion/Summary

: Not available.

Acute toxicity estimates

| Product/ingredient name | Oral (mg/ kg) | Dermal (mg/kg) | Inhalation (gases) (ppm) | Inhalation (vapors) (mg/l) | Inhalation (dusts and mists) (mg/l) |
|-------------------------|------------------|-------------------|--------------------------------|----------------------------------|--|
| Naphthalene | 500 | N/A | N/A | N/A | N/A |
| C(M)IT/MIT(3:1) | 100 | 50 | N/A | N/A | 0.05 |

Irritation/Corrosion

| Product/ingredient name | Result | Species | Score | Exposure | Observation |
|------------------------------|------------------------|---------|-------|--------------|-------------|
| Solvent naphtha (petroleum), | Skin - Mild irritant | Rabbit | - | 24 hours 500 | - |
| heavy arom. | | | | uL | |
| Titanium dioxide | Skin - Mild irritant | Human | - | 72 hours 300 | - |
| | | | | ug I | |
| Naphthalene | Skin - Mild irritant | Rabbit | - | 495 mg | - |
| | Skin - Severe irritant | Rabbit | - | 24 hours | - |
| | | | | 0.05 MI | |
| ammonia | Eyes - Severe irritant | Rabbit | - | 0.5 minutes | - |
| | | | | 1 mg | |
| | Eyes - Severe irritant | Rabbit | - | 250 ug | - |
| C(M)IT/MIT(3:1) | Skin - Severe irritant | Human | - | 0.01 % | - |

Conclusion/Summary

: Not available.

Sensitization

Conclusion/Summary: Not available.

Mutagenicity

Conclusion/Summary: Not available.

Carcinogenicity

Conclusion/Summary: Not available.

Reproductive toxicity

Conclusion/Summary: Not available.

Teratogenicity

Conclusion/Summary: Not available. **Specific target organ toxicity (single exposure)**

| Product/ingredient name | Category | Route of exposure | Target organs |
|-------------------------|------------|-------------------|------------------------------|
| a mmonia | Category 3 | - | Respiratory tract irritation |

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

| Product/ingredient name | Result |
|--|--------------------------------|
| Solvent naphtha (petroleum), heavy arom. | ASPIRATION HAZARD - Category 1 |

Information on the likely routes of exposure

: Not available.

Potential acute health effects

Eye contact: No known significant effects or critical hazards.

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SECTION 11: Toxicological information

Inhalation : No known significant effects or critical hazards.

Skin contact: May cause an allergic skin reaction.

Ingestion: No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : No specific data.

Inhalation : No specific data.

Skin contact: Adverse symptoms may include the following:

irritation redness

Ingestion: No specific data.

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

Short term exposure

Potential immediate :

: Not available.

effects

Potential delayed effects : Not available.

Long term exposure

Potential immediate : Not available.

effects

Potential delayed effects : Not available.

Potential chronic health effects

Not available.

Conclusion/Summary: Not available.

General: Once sensitized, a severe allergic reaction may occur when subsequently exposed

to very low levels.

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.

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties

Not available.

11.2.2 Other information

Not available.

SECTION 12: Ecological information

12.1 Toxicity

There are no data available on the mixture itself.

Do not allow to enter drains or watercourses.

The mixture has been assessed following the summation method of the CLP Regulation (EC) No 1272/2008 and is classified for eco-toxicological properties accordingly. See Sections 2 and 3 for details.

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SECTION 12: Ecological information

| Product/ingredient name | Result | Species | Exposure |
|-------------------------|------------------------------------|---|----------|
| N aphthalene | Acute EC50 1.6 ppm Fresh water | Daphnia - Daphnia magna | 48 hours |
| | Acute LC50 2800 µg/l Marine water | Crustaceans - Elasmopus pectenicrus - Adult | 48 hours |
| | Acute LC50 0.51 mg/l Fresh water | Fish - Melanotaenia fluviatilis - LARVAE | 96 hours |
| | Acute LC50 553 μg/l Fresh water | Fish - Melanotaenia fluviatilis - LARVAE | 96 hours |
| | Acute LC50 470 μg/l Fresh water | Fish - Melanotaenia fluviatilis - LARVAE | 96 hours |
| | Chronic NOEC 0.5 mg/l Marine water | Crustaceans - Uca pugnax - Adult | 3 weeks |
| | Chronic NOEC 1.5 mg/l Fresh water | Fish - Oreochromis mossambicus | 60 days |
| ammonia | Acute LC50 37 ppm Fresh water | Fish - Gambusia affinis - Adult | 96 hours |

Conclusion/Summary: Not available.

12.2 Persistence and degradability

Conclusion/Summary: Not available.

12.3 Bioaccumulative potential

| Product/ingredient name | LogP _{ow} | BCF | Potential |
|------------------------------|--------------------|-------------|-----------|
| Solvent naphtha (petroleum), | 2.8 to 6.5 | 99 to 5780 | high |
| heavy arom. | | | |
| Naphthalene | 3.4 | 36.5 to 168 | low |

12.4 Mobility in soil

Soil/water partition

: Not available.

coefficient (Koc)

Mobility : Not available.

12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

12.6 Endocrine disrupting properties

Not available.

12.7 Other adverse effects

No known significant effects or critical hazards.

SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

13.1 Waste treatment methods

Product

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SECTION 13: Disposal considerations

Methods of disposal

The generation of waste should be avoided or minimized 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. 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.

Hazardous waste

: The classification of the product may meet the criteria for a hazardous waste.

Disposal considerations

: Do not allow to enter drains or watercourses.

Dispose of according to all federal, state and local applicable regulations.

If this product is mixed with other wastes, the original waste product code may no

longer apply and the appropriate code should be assigned. For further information, contact your local waste authority.

European waste catalogue (EWC)

The European Waste Catalogue classification of this product, when disposed of as waste, is:

| Waste code | Waste designation |
|---|-------------------|
| EWC 08 01 12 waste paint and varnish other than those mentioned in 08 01 11 | |

Packaging

Methods of disposal

: The generation of waste should be avoided or minimized wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

Disposal considerations

: Using information provided in this safety data sheet, advice should be obtained from the relevant waste authority on the classification of empty containers.

Empty containers must be scrapped or reconditioned.

Dispose of containers contaminated by the product in accordance with local or

national legal provisions.

Special precautions

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. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

| | ADR/RID | IMDG |
|----------------------------------|----------------|----------------|
| 14.1 UN number | Not regulated. | Not regulated. |
| 14.2 UN proper shipping name | - | - |
| 14.3 Transport hazard class(es) | - | - |
| 14.4 Packing group | - | - |
| 14.5 Environmental hazards | No. | No. |

Additional information

IMDG : <u>Emergency schedules</u> Not applicable.

14.6 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.

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SECTION 14: Transport information

14.7 Transport in bulk according to IMO instruments

: Not available.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV - List of substances subject to authorization

Annex XIV

None of the components are listed.

Substances of very high concern

None of the components are listed.

Annex XVII - Restrictions : Not applicable. on the manufacture, placing on the market

and use of certain dangerous substances,

mixtures and articles

Other EU regulations

VOC : The provisions of Directive 2004/42/EC on VOC apply to this product. Refer to the

product label and/or technical data sheet for further information.

VOC for Ready-for-Use

Mixture

: Not available.

: Not listed

: Not listed

Industrial emissions

(integrated pollution prevention and control) -

Air

Industrial emissions

(integrated pollution prevention and control) -

Water

Ozone depleting substances (1005/2009/EU)

Not listed.

Prior Informed Consent (PIC) (649/2012/EU)

Not listed.

Persistent Organic Pollutants

| Annex | Ingredient name | Status |
|-----------|-----------------|--------|
| Annex III | Naphthalene | Listed |

Seveso Directive

This product is not controlled under the Seveso Directive.

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol

Not listed.

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SECTION 15: Regulatory information

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

| Ingredient name | List name | Status |
|-----------------|----------------|--------|
| Naphthalene | POPs - Annex 3 | Listed |

15.2 Chemical Safety

Assessment

: No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

Indicates information that has changed from previously issued version.

Abbreviations and

acronyms

: ATE = Acute Toxicity Estimate

CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No.

1272/2008]

DMEL = Derived Minimal Effect Level
DNEL = Derived No Effect Level

EUH statement = CLP-specific Hazard statement

N/A = Not available

PBT = Persistent, Bioaccumulative and Toxic PNEC = Predicted No Effect Concentration RRN = REACH Registration Number

SGG = Segregation Group

vPvB = Very Persistent and Very Bioaccumulative

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

| Classification | Justification |
|-------------------------|--------------------|
| Skin Sens. 1, H317 | Calculation method |
| Aquatic Chronic 3, H412 | Calculation method |

Full text of abbreviated H statements

| ⊮ 301 | Toxic if swallowed. |
|--------------|---|
| H302 | Harmful if swallowed. |
| H304 | May be fatal if swallowed and enters airways. |
| H310 | Fatal in contact with skin. |
| H314 | Causes severe skin burns and eye damage. |
| H317 | May cause an allergic skin reaction. |
| H318 | Causes serious eye damage. |
| H330 | Fatal if inhaled. |
| H335 | May cause respiratory irritation. |
| H351 | Suspected of causing cancer. |
| H400 | Very toxic to aquatic life. |
| H410 | Very toxic to aquatic life with long lasting effects. |
| H412 | Harmful to aquatic life with long lasting effects. |
| EUH071 | Corrosive to the respiratory tract. |

Full text of classifications [CLP/GHS]

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SECTION 16: Other information

Acute Tox. 2
Acute Tox. 3
Acute Tox. 4
Acute Tox. 4
Acute Tox. 4
Aquatic Acute 1

ACUTE TOXICITY - Category 2
ACUTE TOXICITY - Category 3
ACUTE TOXICITY - Category 4
AQUATIC HAZARD (ACUTE) -

Aquatic Acute 1

Aquatic Chronic 1

Aquatic Chronic 3

Asp. Tox. 1

AQUATIC HAZARD (ACUTE) - Category 1

AQUATIC HAZARD (LONG-TERM) - Category 1

AQUATIC HAZARD (LONG-TERM) - Category 3

ASPIRATION HAZARD - Category 1

Asp. Tox. 1

Carc. 2

Eve Dam. 1

ASPIRATION HAZARD - Category 1

CARCINOGENICITY - Category 2

SERIOUS EYE DAMAGE/ EYE IRR

SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1

SKIN CORROSION/IRRITATION - Category 1B SKIN CORROSION/IRRITATION - Category 1C

SKIN SENSITIZATION - Category 1
SKIN SENSITIZATION - Category 1A

SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) -

Category 3

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revision

Skin Corr. 1B

Skin Corr. 1C

Skin Sens. 1

Skin Sens. 1A STOT SE 3

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Notice to reader

IMPORTANT NOTE The information in this data sheet is not intended to be exhaustive and is based on the present state of our knowledge and on current laws: any person using the product for any purpose other than that specifically recommended in the technical data sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so at his own risk. It is always the responsibility of the user to take all necessary steps to fulfill the demands set out in the local rules and legislation. Always read the Material Safety Data Sheet and the Technical Data Sheet for this product if available. All advice we give or any statement made about the product by us (whether in this data sheet or otherwise) is correct to the best of our knowledge but we have no control over the quality or the condition of the substrate or the many factors affecting the use and application of the product. Therefore, unless we specifically agree in writing otherwise, we do not accept any liability whatsoever for the performance of the product or for any loss or damage arising out of the use of the product. All products supplied and technical advice given are subject to our standard terms and conditions of sale. You should request a copy of this document and review it carefully. The information contained in this data sheet is subject to modification from time to time in the light of experience and our policy of continuous development. It is the user's responsibility to verify that this data sheet is current prior to using the product.

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