

PRODUCT SAFETY DATA SHEET

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01. IDENTIFICATION OF SUBSTANCE / PREPARATIONS:

Product name: Stone Chip - Aerosols
Description: For professional use only
Supplier: MB Products (UK) Ltd, t/a MB Coatings
Unit 230 Ampress Business Park
Lymington
Hants SO41 8JW
Tel: 01590 677676 Fax: 01590 678578. Web: www.mbcoatings.co.uk

02. COMPOSITION / INFORMATION ON INGREDIENTS:

| Description | CAS no. | EINECS no. | % (age Range) | Symbol | Classification |
|---|------------|------------|---------------|--------------|---|
| n-Butyl Acetate | 123-86-4 | 204-658-1 | ≤12 | | R10/66/67 H226/336 |
| Ethyl acetate | 141-78-6 | 205-500-4 | 5-10 | Xi, F | R36, 11, 66-67 H225,319, 336 |
| Distillates (petroleum) C6-rich Low boiling point naphtha-unspecified | 93165-19-6 | 296-903-4 | 2,5-5 | Xn, Xi, F, N | R20-48-62-65, 38,11 H304 |
| Butane | 106-97-8 | 203-448-7 | 5-10 | F+ | R12, H220,280 |
| Propane | 74-98-6 | 200-827-9 | 12,5-20 | F+ | R12, H220, 280 |
| Solvent naphtha (petroleum) light arom | 64742-95-6 | 265-199-0 | 2,5,5 | Xn, Xi, N | R65, 37,51/53, 10-667-67 H226, 304, 411,355+336 |
| Colophony | 8050-09-7 | 232-475-7 | 2,5-5 | Xi | R43, H317 |
| Butanone | 78-93-3 | 201-159-0 | 5-10 | Xi, F | R36, 11, 66-67, H225, 319, 336 |
| Isobutane | 75-28-5 | 200-857-2 | 5-10 | F+ | R12, H220,280 |
| Xylene | 1330-20-7 | 215-535-7 | 1-2,5 | Xn, Xi | R20/21, 38, 10. H226, 312, 332, 315 |

The texts of the R & H phases are listed in chapter 16.

03. Hazards Identification:



Xn- Harmful

Flammable

Risk Warnings

- Flammable.
- May cause sensitization by skin contact.
- Vapors may cause narcosis, with continued exposure above the WEL, possible long term effects

04. First Aid Measures:

General

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

Inhalation

Remove patient to fresh air and seek medical assistance. If breathing is irregular or stopped, administer artificial respiration. Give nothing by mouth. If unconscious place in recovery position.

Skin Contact

Remove contaminated clothing. Wash skin with soap and water, rinse abundantly. Do NOT use solvents or thinners.

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Eye Contact

Contact lenses should be removed. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart and seek medical advice.

Ingestion

Do NOT induce vomiting. Keep the patient warm and at rest and call a doctor immediately.

05. Fire-Fighting Measures:

Suitable Extinguishing Media

CO2 Foam, chemical powder or sand for flammable liquids. Water may **NOT BE** used to extinguish fire but it should be used to cool the containers exposed to flames and prevent fires and explosions. For leakage and spillage that have not could fire nebulized water may be used to disperse flammable vapors. Do not allow run-off from firefighting to enter drains or watercourses.

Unsuitable Extinguishing Method

Water Jet

Special Hazards due to the Substance, its Decomposition Products or Gases products by Fire:

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

Special Protective Equipment

Appropriate breathing apparatus, helmet with face shield, protection for neck may be required.

Addition information

Cool closed containers in the vicinity of the source of fire.

06. Accidental Release Measures:

Person Protective Measures

Refer to protective measures listed in sections 5. Exclude sources of ignition and ventilate the area. Avoid breathing vapors.

Measures to Protect the Environment

Do not allow to enter drains or watercourses. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes the Environment Agency.

Cleaning Measures

Contain and collect spillage with non-combustible absorbent materials e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents.

07. Handling and Storage:

Handling

Instructions for Safe Handling

Prevent the creation of flammable or explosive concentrations of vapor in air and avoid concentration higher than the occupational exposure limits. Avoid skin and eye contact. Avoid inhalation of vapor. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the Health and Safety at work laws. Isolate from sources of heat, sparks and open flame. Do not use any sparking tools. Product may charge electrostatically always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear anti-static clothing and footwear.

Information on Fire and Explosion Protection

Solvent vapors are heavier than air and spread along floors. Vapor forms explosive mixtures with air. Keep container dry and tightly closed in a cool well-ventilated place.

Storage

Requirements for Storage Areas and Containers

Electrical equipment must be explosion-proof to the appropriate standard. Floors must be conducting type and impermeable to the materials being stored. Keep container tightly closed. Never use pressure to empty; container is not a pressure vessel. Close containers carefully once opened and store upright in order to prevent any leakage. No smoking. Prevent unauthorized access. The store room should be marked

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"Flashpoint below 20°C" in accordance with "The Highly Flammable Liquids & Liquefied Petroleum Gases Regulations 1972 S.I. No 917 (1972) Sections 5 and 6.

Additional Information on Storage Conditions

Always keep in containers of the same material as the original one. Observe label precautions. Store in a well-ventilated place away from sources of heat and direct sunlight. Keep away from sources of ignition.

Specific use(s)

Detailed information can be gained from the relevant technical data sheets.

08. Exposure Controls / Personal Protection

Engineering Measures

Provide adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the work place below the occupational exposure limits, appropriate certified respirators must be worn.

General Protection:

All ppe including rpe, used to control exposure to hazardous substances must be selected to meet the requirements of the COSHH regulations

Exposure

No Data

Personal Protection

Respiratory Protection

When workers are facing concentrations above the occupational exposure limited they must use appropriate certified respirators, goggles and overalls.

Hand Protection

Wear protective gloves.

Any chemical protection glove certified according to EN 374 is suitable: e.g. nitrile gloves. Material thickness: 1.25 mm. The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream).

Eye Protection

Required when there is a risk of eye contact. Use tight-fitting protective goggles

Skin Protection

Cotton or cotton/ synthetic overalls or coveralls are normally suitable, but grossly contaminated clothing must be removed and the skin washed with soap and water or a proprietary skin cleaner.

Environmental exposure controls

See section 7 and 12

09 Physical and Chemicals Properties

| | | |
|--------------------------------|---|---|
| Physical state | : | Gray, Black, White highly viscous aerosol |
| Odour | : | Characteristic smell |
| Boiling Point | : | No data |
| Melting Point | : | No data |
| Flammable | : | Extremely flammable |
| Specific gravity | : | no data |
| Flash Point | : | 365°C (689°F) |
| Vapour Pressure | : | 3500 hPa (2625 mmHg) |
| Explosive properties: limits | : | Lower: 1,2 vol % Upper: 10,9 vol% |
| Solubility in Organic Solvents | : | well soluble |
| Solubility in water | : | In water: insoluble |

10. Stability and Reactivity

Stable under recommended storage and handling conditions (see section 7)

Conditions to be avoided

Substances to be avoided

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermic reactions

Hazardous Decomposition Products

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When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide, carbon dioxide, smoke, oxides of nitrogen, Hydrogen cyanide, amines and alcohols.

11. Toxicological Information

Exposure to organic solvent vapor concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as irritation of the mucous membrane and respiratory system serious depression of the renal and central nervous system, symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological Information

General

There are no test results available for this product. The product should not be allowed to enter drains or watercourses. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes the Environment Agency. The Air Pollution Control requirements of regulations made under the Environmental Protection Act may apply to the use of this product.

13. Disposal Considerations

Do not dispose of waste other than hazardous. Do not discharge into drains, soil or water depth & surface. Dispose used packaging delivery to authorized company who has the appropriate permission for waste management especially for hazardous waste. Observe all warnings even if the container is emptied. Contaminate waste packaging should be treated as hazardous waste. DO not attempt to clean the packaging. Acid or basic products must always be neutralized before undergoing any treating including biological treatment whenever feasible. If the waste is solid it can be disposed of in a landfill.

Dirty Containers

Recommendation

Containers which are not properly emptied must be disposed pursuant to Directive 91/689/EEC.

14. Transport Information

Transport by Road or Rail - UN 1950, Aerosols, flammable, Class 2.1, Packing Group II

Sea Transport - UN 1950, Aerosols, flammable, Class 2.1, Packing Group II Main Risk: Flammability, Marine Pollutant: Yes

Air Transport - IATA / UN 1950, Aerosols, flammable, Class 2.1, Packing Group II Main Risk: Flammability, Sub Risk: Narcosis

International Road/Rail - UN 1263, Paint / Paint Related Material, Class 3, Packing Group III. Item No: Main Risk: Flammability,

15. Regulatory Information

Classification



Xn-Harmful

Danger labeling under regulations 67/548/EEC and 1999/45/EC and following amendments and adjustments. Workers exposed to this chemical agent must not undergo health checks, providing that available risk-assessment data prove that the risks related to the worker's health and safety are modest and that the 98/24EC regulation is respected.

16. Other Information

Restricted to professional users.

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Full text of risk warnings for components listed in section 2

- R10/11/12** : Extremely Flammable.
- R20/37** : Harmful by inhalation, Irritating to respiratory system
- R48** : Danger of serious damage to health by prolonged exposure.
- R36-38/43** : Irritates eyes, skin and respiratory system. May cause sensitization by skin contact.
- R51/53** : Harmful to aquatic organisms, may cause long term effect in the aquatic Environment.
- R62/65-67** : Possible risk of impaired fertility. Harmful, may cause lung damage if swallowed. Repeated exposure may cause Skin dryness or cracking. Vapors may cause drowsiness and dizziness.

H Phrases

- H220/222** : Extremely flammable gas aerosol. Pressurised container: May burst if heater
- H225/226/229** : Highly flammable liquid and vapor.
- H280** : Contains gas under pressure; may explode if heated.
- H304** : May be fatal if swallowed and enters airways.
- H315/317** : Causes skin irritation. May cause an allergic skin reaction.
- H319** : Causes serious eye irritation.
- H332/336** : Harmful if inhaled. Vapors may cause drowsiness and dizziness
- H400/410/412** : Very toxic to aquatic life with long lasting effects.

P Phrases

- P261** : Do not breathe Vapor or Spray.
- P271** : Use only outdoors or in well-ventilated area
- P280** : Wear protective gloves/protective clothing/eye protection/face protection
- P302+P352** : IF on Skin: Wash with plenty of soap and water.
- P304+P340** : IF Inhaled: Remove victim to fresh air & keep at rest in a position comfortable for breathing.
- P333+P313** : If skin irritation or rash occurred: GET medical advice/attention
- P410+P412** : Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F
- P501** : Dispose of contents/container according to the local regulations/

Safety Phrases

- S1/3** : Keep locked up and out of reach of children.
- S36** : Wear suitable clothing.
- S51** : Use only in well ventilated areas.
- S61** : Avoid release to the environment. Refer to special instructions / Safety Data Sheet
- EUH 066** : Repeated exposure may cause skin dryness or cracking.
- EUH 204** : Contains isocyanates, may produce an allergic reaction

For use in industrial installations only.

The information of this Safety Data Sheet is based on the present state of our knowledge and on current EU and national laws. The product is not to be used for other purposes than those specified under section 1 without first obtaining written handling instruction. It is always the responsibility of the user to take all necessary steps in order to fulfill the demands laid down in the local rules and legislation. The information in this SDS is meant as a description of the safety requirements of our product: it is not to be considered as a guarantee of the products` properties