

SAFETY DATA SHEET

MUSK KETONE SUPER (<0.1% MUSK XYLOL)

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

PRODUCT NAME MUSK KETONE SUPER (<0.1% MUSK XYLOL)

PRODUCT NO. MK 0.1MX

EMERGENCY INFORMATION OUT OF OFFICE HOURS, PLEASE CONTACT CARECHEM 24: +44 (0)1270 502891 OR +44 (0)1865 407333

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Techincal department
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2 HAZARDS IDENTIFICATION

HAZARD ID Limited evidence of a carcinogenic effect. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

CLASSIFICATION Carc 3;R40. N;R50/53.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name 4-TERT-BUTYL-2,6-DIMETHYL-3,5-DINITROACETOPHEONE

EC No. 201-328-9

CAS-No. 81-14-1

Content 60-100%

Classification Carc 3;R40. N;R50/53.

RISK PHRASES R40, R50/53

Name MUSK XYLENE

EC No. 201-329-4

CAS-No. 81-15-2

Content 0.09%

Classification E;R2 Carc. Cat. 3;R40 N;R50/53

RISK PHRASES R2, R40, R50/53

EC No. 201-328-9

CAS-No. 81-14-1

COMPOSITION COMMENTS The concentration of Musk Xylene is <0.1%

4 FIRST-AID MEASURES

INHALATION Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

INGESTION Immediately rinse mouth and provide fresh air. Get medical attention if any discomfort continues.

SKIN CONTACT Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.

EYE CONTACT Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA Water. Foam, carbon dioxide or dry powder.

SPECIAL FIRE FIGHTING PROCEDURES Use supplied air respirator if product is involved in a fire.

SPECIFIC HAZARDS Oxides of: Carbon. Nitrogen.

6 ACCIDENTAL RELEASE MEASURES

SPILL CLEAN UP METHODS Avoid generation and spreading of dust. Shovel into dry containers. Cover and move the containers. Flush the area with water.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS Avoid spilling, skin and eye contact.

STORAGE PRECAUTIONS Store in tightly closed original container in a dry, cool and well-ventilated place.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

INGREDIENT COMMENTS No exposure limits noted for ingredient(s).

PROTECTIVE EQUIPMENT



ENGINEERING MEASURES Provide adequate general and local exhaust ventilation.

RESPIRATORY EQUIPMENT Wear suitable respiratory protection.

HAND PROTECTION Use protective gloves. Obtain the appropriate professional advice taking into account of the conditions under which the glove is used.

EYE PROTECTION Wear approved safety goggles.

HYGIENE MEASURES Wash at the end of each work shift and before eating, smoking and using the toilet.

9 PHYSICAL AND CHEMICAL PROPERTIES

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| APPEARANCE | Crystals or crystalline |
| COLOUR | White to Yellow |
| SOLUBILITY | Insoluble in water Slightly soluble in: Ethanol. |
| MELTING POINT (°C) | 134 |
| PARTITION COEFFICIENT (N-Octanol/Water) | LOG KOW: 4.3 |

10 STABILITY AND REACTIVITY

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| STABILITY | Stable under normal temperature conditions. |
| HAZARDOUS POLYMERISATION | Will not polymerise. |
| MATERIALS TO AVOID | Strong acids. Strong bases. |
| HAZARDOUS DECOMPOSITION PRODUCTS | Toxic gases/vapours/fumes of: Carbon monoxide (CO). Carbon dioxide (CO ₂). Nitrogen Oxides |

11 TOXICOLOGICAL INFORMATION

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| TOXIC DOSE 1 - LD 50 | >10000 mg/kg (oral rat) |
| TOXIC DOSE 2 - LD 50 | >10000 mg/kg (skn-rbt) |
| INHALATION | May be harmful if inhaled. May cause irritation to the respiratory system. |
| INGESTION | May be harmful if swallowed. |
| SKIN CONTACT | Powder may irritate skin. May be harmful if absorbed through the skin. |
| EYE CONTACT | May cause eye irritation. |
| HEALTH WARNINGS | Known or suspected carcinogen for humans. |

12 ECOLOGICAL INFORMATION

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| ECOTOXICITY | No data on possible environmental effects have been found. |
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13 DISPOSAL CONSIDERATIONS

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| DISPOSAL METHODS | Dispose of waste and residues in accordance with local authority requirements. |
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14 TRANSPORT INFORMATION

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| GENERAL | LQ NUMBER: 27 EXCEPTED QUANTITY: E1 |
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TRANSPORT LABELS



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| UK ROAD CLASS | 9 |
| PROPER SHIPPING NAME | ENVIRONMENTAL HAZARDOUS SUSTANCE, SOLID, N.O.S (MUSK KETONE) |
| UN NO. ROAD | 3077 |
| UK ROAD PACK GR. | III |
| ADR CLASS NO. | 9 |

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|-------------------------|---|
| ADR CLASS | Class 9: Miscellaneous dangerous substances and articles. |
| ADR PACK GROUP | III |
| TUNNEL RESTRICTION CODE | (E) |
| HAZARD NO. (ADR) | 90 Environmentally hazardous substance; miscellaneous dangerous substances. |
| HAZCHEM CODE | M7 |
| RID CLASS NO. | 9 |
| RID PACK GROUP | III |
| UN NO. SEA | 3077 |
| IMDG CLASS | 9 |
| IMDG PACK GR. | III |
| UN NO. AIR | 3077 |
| AIR CLASS | 9 |
| AIR PACK GR. | III |

15 REGULATORY INFORMATION

Harmful



Dangerous for the environment

RISK PHRASES

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| R40 | Limited evidence of a carcinogenic effect. |
| R50/53 | Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |

SAFETY PHRASES

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| S36/37 | Wear suitable protective clothing and gloves. |
| S57 | Use appropriate containment to avoid environmental contamination. |
| S60 | This material and its container must be disposed of as hazardous waste. |
| S61 | Avoid release to the environment. Refer to special instructions/safety data sheets. |

16 OTHER INFORMATION

GENERAL INFORMATION Only trained personnel should use this material. DISCLAIMER: This safety data sheet relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.

INFORMATION SOURCES Material Safety Data Sheet, Misc. manufacturers.

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| REVISION COMMENTS | Revision due to amendment of contents in section: 1, 16. |
| REVISION DATE | 04-09 |
| REV. NO./REPL. SDS GENERATED | 002 |
| SDS NO. | 11113 |
| DATE | 04-09 |

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| RISK PHRASES IN FULL | Risk of explosion by shock, friction, fire or other sources of ignition. Limited evidence of a carcinogenic effect. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
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