

SAFETY DATA SHEET

MENTHONE-1,2-GLYCEROL KETAL

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

PRODUCT NAME MENTHONE-1, 2-GLYCEROL KETAL

PRODUCT NO. MGK

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

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2 HAZARDS IDENTIFICATION

HAZARD ID Irritating to skin. Risk of serious damage to eyes. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

CLASSIFICATION Xi;R38, R41. R52/53.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name 2-HYDROXYMETHYL-9-METHY

L-6-(1-METHYLETHYL)

EC No. 408-200-3
-1,4-DIOXASPIRO[4.5]DECANE

CAS-No. 63187-91-7

Content 60-100%

Classification Xi;R38,R41 R52/53

RISK PHRASES R38, R41, R52/53

EC No. 408-200-3

CAS-No. 63187-91-7

4 FIRST-AID MEASURES

INHALATION Move the exposed person to fresh air at once. Consult a physician for specific advice.

INGESTION Immediately rinse mouth and provide fresh air. Get medical attention.

SKIN CONTACT Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if irritation persists after washing.

EYE CONTACT Immediately flush with plenty of water or eyewash solution for up to 10 minutes. Contact physician if irritation persists.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA Extinguish with foam, carbon dioxide or dry powder.

SPECIAL FIRE FIGHTING PROCEDURES Water spray should be used to cool containers.

PROTECTIVE MEASURES IN FIRE Self contained breathing apparatus and full protective clothing must be worn in case of fire.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS Wear protective clothing as described in Section 8 of this safety data sheet.

ENVIRONMENTAL PRECAUTIONS Do not discharge into drains, water courses or onto the ground.

SPILL CLEAN UP METHODS Cover with inert, non-combustible, inorganic absorbent material Sweep up and removed to an approved disposal container. Ventilate area and wash spill site after material pickup is complete. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. For waste disposal, see section 13.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS Observe good industrial hygiene practices.

STORAGE PRECAUTIONS Store in tightly closed original container in a dry, cool and well-ventilated place. Protect from light, including direct sunrays. Protect from air. Keep away from heat, sparks and open flame.

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 No specific recommendation made, but protection must be used when the general level exceeds 10 mg/m³.

HAND PROTECTION Use protective gloves.

EYE PROTECTION Wear approved safety goggles.

OTHER PROTECTION Provide eyewash station and safety shower.

HYGIENE MEASURES Wash promptly if skin becomes wet or contaminated.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE Mobile Solid or liquid (may vary).

COLOUR Colourless to pale yellow Yellow white

ODOUR Floral-like. Sweet

BOILING POINT (°C) 258-260

MELTING POINT (°C) 20-24

FLASH POINT (°C) 141 Not noted.

10 STABILITY AND REACTIVITY

STABILITY Stable under normal temperature conditions and recommended use.

MATERIALS TO AVOID Strong acids. Strong oxidising substances. Strong alkalis.

HAZARDOUS Carbon monoxide (CO). Unidentified

DECOMPOSITION organic compounds may be formed during

PRODUCTS combustion

11 TOXICOLOGICAL INFORMATION

TOXIC DOSE 1 - LD 50 1200 mg/kg (oral rat)

TOXIC DOSE 2 - LD 50 3000 mg/kg (skn-rbt)

TOXICOLOGICAL INFORMATION To the best of our knowledge, the chemical/physical/toxicological properties have not been thoroughly investigated.

GENERAL INFORMATION SKIN IRRITATION: RABBIT/24H: MODERATELY IRRITATING

INHALATION May be harmful if inhaled.

INGESTION Harmful if swallowed.

SKIN CONTACT Irritating to skin. May cause sensitisation by skin contact.

EYE CONTACT May cause eye irritation.

12 ECOLOGICAL INFORMATION

ECOTOXICITY No data on possible environmental effects have been found.

13 DISPOSAL CONSIDERATIONS

DISPOSAL METHODS Dispose of waste and residues in accordance with local authority requirements.

14 TRANSPORT INFORMATION

TRANSPORT LABELS

ADR CLASS Not classified for transportation.

15 REGULATORY INFORMATION



Irritant

RISK PHRASES

R38 Irritating to skin.

R41 Risk of serious damage to eyes.

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

SAFETY PHRASES

S24/25 Avoid contact with skin and eyes.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S37/39 Wear suitable gloves and eye/face protection.

S60 This material and its container must be disposed of as hazardous waste.

16 OTHER INFORMATION

GENERAL INFORMATION 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.

REVISION COMMENTS This is first issue.

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SDS NO. 11189

DATE 05-09

RISK PHRASES IN FULL Irritating to skin.
Risk of serious damage to eyes.
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

