

MATERIAL SAFETY DATA BULLETIN

GLIS: 403035

Revision Date: 22/12/98

TRN:670455-60

MOBILCUT 232

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: MOBILCUT 232

SUPPLIER: Mobil Oil Company Limited,
Witan Gate House,
500-600 Witan Gate,
Central Milton Keynes MK9 1ES

Health Emergency and
Customer Service Telephone: 01908-853000

Contact: Mr F. Wells

2. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAMES AND SYNONYMS: SEVERE TREAT MIN. OILS & ADDITIVES

INGREDIENTS CONSIDERED HAZARDOUS TO HEALTH:

Substance Name	Wt%	EU Classification
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ALKANOLAMINE ESTERS AND REACTION PRODUCTS	15-25	Xi;R36/38
DIETHANOLAMIDE ESTERS OF RAPESEED OIL (68187-80-4)	5-15	Xi;R36/38
METHYLENE OXAZOLIDINE BIOCIDES (66204-44-2)	1-5	Xn;R22 Xi;R36/37/38

Notes: EC Symbol(s); Xi Irritant, Xn Harmful

See Section 15 for European Label Information.

3. HAZARDS IDENTIFICATION

EFFECTS OF OVEREXPOSURE: Strong eye irritation. Skin irritation.
EFFECTS OF OVEREXPOSURE TO DILUTE PRODUCT: No significant
effects expected when used as recommended under normal
conditions.

4. FIRST AID MEASURES

EYE CONTACT: Flush thoroughly with water for at least 15 minutes. Get
immediate medical assistance. If medical assistance is not
immediately available, flush an additional 15 minutes. Instill
local anaesthetic eyedrops to facilitate irrigation, if
available.

SKIN CONTACT: Wash contact areas with soap and water. Remove

contaminated clothing. Launder contaminated clothing before re-use.

INHALATION: Remove from further exposure. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance. If breathing has stopped, assist ventilation with bag-valve-mask device or use mouth-to-mouth resuscitation.

INGESTION: Not expected to be a problem. However, if greater than 1/2 litre (pint) ingested, seek medical attention.

5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: Carbon dioxide, foam, dry chemical and water fog.

SPECIAL FIRE FIGHTING PROCEDURES: Water or foam may cause frothing.

Use water to keep fire exposed containers cool. Water spray may be used to flush spills away from exposures. Prevent runoff from fire control or dilution from entering waterways or drinking water supply.

SPECIAL PROTECTIVE EQUIPMENT: For fires in enclosed areas, firefighters MUST use self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None. Flash Point C(F): > 100(212) (IP 34 / ASTM D-93). Flammable limits - LEL NE, UEL NE.

NFPA HAZARD ID: Health: 1, Flammability: 1, Reactivity: 0

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide. Nitrogen oxides. Elemental oxides.

6. ACCIDENTAL RELEASE MEASURES

NOTIFICATION PROCEDURES: Report spills as required to appropriate authorities such as the local Environmental Health Officer or Fire Brigade. If spills are likely to enter any drain, waterway or groundwater, contact the Area Water Authority. In case of accident or road spill, contact the Police and Fire Brigade and, if appropriate, the Area Water Authority.

PROCEDURES IF MATERIAL IS RELEASED OR SPILLED: Contain and adsorb on fire retardant treated sawdust, diatomaceous earth, etc. Shovel up and dispose of at an appropriate licensed waste disposal site in accordance with current applicable laws and regulations and product characteristics at time of disposal. Personnel performing clean up must use protective equipment.

ENVIRONMENTAL PRECAUTIONS: Prevent spills from entering storm sewers or drains and contact with soil.

PERSONAL PRECAUTIONS: See Section 8

7. HANDLING AND STORAGE

HANDLING: Avoid inhalation of vapours or mists. Avoid contact with eyes. Avoid contact with skin. Do not add other materials to this product or its emulsions unless recommended by the supplier - doing so may adversely effect the health and safety characteristics.

STORAGE: Keep from freezing. Store above 4 deg C.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION: Adequate ventilation MUST be provided to ensure personal exposure to mineral oil mist does not exceed 5mg/m³, 8-hour TWA.

RESPIRATORY PROTECTION: Approved respiratory protective equipment MUST be used when vapour or mist concentrations exceed recommended exposure standards.

EYE PROTECTION: Chemical type goggles MUST be worn.

SKIN PROTECTION: Impervious gloves MUST be worn.

DILUTE PRODUCT HANDLING: Normal industrial eye protection practices should be employed. If prolonged or repeated skin contact is likely, impervious gloves should be worn. Good personal hygiene practices should always be followed.

EXPOSURE LIMITS: This product does not contain any components which have recognized exposure limits. However, a product exposure limit of 5.00 mg/m³ is suggested for oil mist.

9. PHYSICAL AND CHEMICAL PROPERTIES

Typical physical properties are given below. Consult Product Data Sheet for specific details.

PHYSICAL STATE: Liquid

COLOUR: Amber

ODOUR: Mild

ODOUR THRESHOLD-ppm: NE

pH: 9.7

BOILING POINT C(F): > 100(212)

MELTING POINT C(F): NE

FLASH POINT C(F): > 100(212) (IP 34 / ASTM D-93)

FLAMMABILITY: NE

AUTO FLAMMABILITY: > 150(302)

EXPLOSIVE PROPERTIES: NA

OXIDIZING PROPERTIES: NA

VAPOUR PRESSURE-mmHg 20 C: NE

VAPOUR DENSITY: NA

EVAPORATION RATE: NE

RELATIVE DENSITY, 15/4 C: 0.97

SOLUBILITY IN WATER: Emulsifies

PARTITION COEFFICIENT: NE

VISCOSITY AT 40 C, cSt: NE

VISCOSITY AT 100 C, cSt: NE

POUR POINT C(F): < 0(32)

FREEZING POINT C(F): NE

NA=NOT APPLICABLE NE=NOT ESTABLISHED D=DECOMPOSES

FOR FURTHER TECHNICAL INFORMATION, CONTACT YOUR MARKETING REPRESENTATIVE

10. STABILITY AND REACTIVITY

STABILITY (THERMAL, LIGHT, ETC.): Stable.

CONDITIONS TO AVOID: Heat or freezing temperatures. Do not heat above 60 C (140 F) in the presence of aluminum to avoid possible release of hydrogen gas.

INCOMPATIBILITY (MATERIALS TO AVOID): Strong acids and oxidisers.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide. Nitrogen oxides. Elemental oxides.

HAZARDOUS POLYMERISATION: Will not occur.

11. TOXICOLOGICAL DATA

---ACUTE TOXICOLOGY---

ORAL TOXICITY: Practically non-toxic (LD50: greater than 2000 mg/kg). ---Based on testing of similar products and/or the components.

DERMAL TOXICITY: Practically non-toxic (LD50: greater than 2000 mg/kg). ---Based on testing of similar products and/or the components.

INHALATION TOXICITY: Not established

EYE IRRITATION: Strong irritant. (Draize score: greater than 35 but

55 or less). ---Based on testing of similar products and/or the components.

SKIN IRRITATION: Irritant. (Primary Irritation Index: 3 or greater but less than 5). ---Based on testing of similar products and/or the components.

---CHRONIC TOXICOLOGY (SUMMARY)---

The base oils in this product are severely solvent refined and/or severely hydrotreated. Chronic skin painting studies of severely treated oils showed no evidence of carcinogenic effects.

---OTHER TOXICOLOGY DATA---

Dilute material expected to be non-irritating to eyes and skin. Nitrites or nitrite-containing materials should not be added to this product due to the risk of forming nitrosamines, some of which have been shown to be carcinogenic in animals.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL FATE AND EFFECTS: Not established.

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Product is suitable for burning in an enclosed, controlled burner for fuel value or disposal by supervised incineration. Such burning may be limited by the controlling authority. In addition, the product is suitable for processing by an approved recycling facility or can be disposed of at any licensed waste disposal site. Use of these methods is subject to user compliance with applicable laws and regulations and consideration of product characteristics at time of disposal.

14. TRANSPORT INFORMATION

USA DOT: NOT REGULATED BY USA DOT.

RID/ADR: NOT REGULATED BY RID/ADR.

IMO: NOT REGULATED BY IMO.

IATA: NOT REGULATED BY IATA.

15. REGULATORY INFORMATION

EU Labelling:

Symbol: Xi Irritant.

Risk Phrase(s): R36/38.
Irritating to eyes and skin.

Safety Phrase(s): S25-26.
Avoid contact with eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Contains: Alkanolamine Esters and Reaction Products.

THE FOLLOWING PRODUCT INGREDIENTS ARE CITED ON THE LISTS BELOW:

CHEMICAL NAME	CAS NUMBER	LIST CITATIONS
*** NO REPORTABLE INGREDIENTS ***		

--- REGULATORY LISTS SEARCHED ---
 1=IARC 1 6=NO ALLERGI 11=DE TERAT B 16=DE CARC B 21=CH CARC
 2=IARC 2A 7=SE ALLERGY 12=DE TERAT C 17=AT TERAT A
 3=IARC 2B 8=SE CARC 13=DE TERAT D 18=AT TERAT B
 4=NTP CARC 9=DK CARC 14=DE CARC A1 19=AT TERAT C
 5=NTP SUS 10=DE TERAT A 15=DE CARC A2 20=AT TERAT D

CARC=CARCINOGEN; SUS=SUSPECTED CARCINOGEN; TERAT=TERATOGENIC

AT = Austria DE = Germany NO = Norway
 CH = Switzerland DK = Denmark SE = Sweden

16. OTHER INFORMATION

USE: Metal process oil

NOTE: This product should not be used for any other purpose without expert advice.

COSHH Regulations: Product reviewed and considered to be potentially hazardous to health. The Regulations must be followed and measures to control exposure may be necessary.

NOTE: PRODUCT IS NOT FORMULATED TO CONTAIN PCBS.

Any sections of this Material Safety Data Bulletin which are printed in bold text highlights recent significant changes which have been made to the advice or information given.

For Internal Use Only: MHC: 1* 1* NE 3* 2*, MPPEC: D, TRN:

670455-60, GLIS: 403035

EHS Approval Date: 24SEP1997

It is believed that all the information given in this bulletin (which supersedes all previous issues) is accurate at the time of printing. Such information is offered in good faith but without guarantee and without any representation that the product concerned is suitable for any use or application. Without limitation of the foregoing, nothing herein shall be construed as a recommendation for uses which infringe valid patents or as extending any licence under valid patents.

We pursue a policy of constant research and development aimed at product improvement and, therefore, we reserve the right to change the formulation, specification and characteristics of products without notice. User should verify current specifications with us and ascertain that products are suitable for intended uses and applications.

Where the information provided herein discloses a potential hazard or hazardous ingredient, adequate warning must be provided to employees and users and appropriate precautions taken, including the practice of good industrial hygiene.

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Environmental, Health and Safety Department, Paulsboro. NJ. USA.

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