

**MR MUSCLE Kitchen Cleaner****Date Issued: 05Mar2002****CLASSIFICATION: Not Classified.**

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**1 - PRODUCT IDENTIFICATION**

BRAND NAME..... MR MUSCLE Kitchen Cleaner  
USE OF THE PREPARATION. Hard Surface Cleaner  
REVISION..... 6  
DATE ISSUED..... 05Mar2002  
SUPERSEDES DATE..... 14Apr1998  
CHANGES SINCE LAST..... Bar (I) in the left margin denotes a revision from previous  
REVISION MSDS. 3 Hazards identification. 6 Accidental release measures. 8  
Exposure controls/personal protection. 9 Physical and chemical  
properties. 11 Toxicological information. 12 Ecological  
information. 15 Regulatory information.

**2 - COMPOSITION/INFORMATION ON INGREDIENTS**

INGREDIENT	WEIGHT%	SYMBOL	R-PHRASES
ETHYLENE GLYCOL MONOBUTYL ETHER..... (CAS# 111-76-2)	1-5	Xn	R20 R21 R22 R37
EDTA (CAS# 64-02-8).....	1-5	Xi	R36 R38
ETHYL ALCOHOL (CAS# 64-17-5).....	1-5	F	R11
FRAGRANCE.....	<0.5	N Xi	R43 R51 R53

(R20) Harmful by inhalation.  
(R21) Harmful in contact with skin.  
(R22) Harmful if swallowed.  
(R37) Irritating to respiratory system.  
(R36) Irritating to eyes.  
(R38) Irritating to skin.  
(R11) Highly Flammable.  
(R43) May cause sensitisation by skin contact.  
(R51) Toxic to aquatic organisms.  
(R53) May cause long term adverse effects in the aquatic  
environment.

**3 - HAZARDS IDENTIFICATION (Also See Section 11 & 12)**

HAZARDS TO HUMAN HEALTH Not classified as dangerous according to Dangerous Preparations  
Directive (99/45/EC) & amendments.

**SIGNS & SYMPTOMS:**

INHALATION..... Excessive exposure to spray mist, fog, or vapour may cause  
respiratory irritation.  
SKIN..... Prolonged contact may cause irritation.  
EYE..... Direct contact by spray mist may cause irritation.  
INGESTION..... May cause abdominal discomfort.  
PHYSICO-CHEMICAL..... None.

**HAZARDS**

ENVIRONMENTAL HAZARDS.. This preparation is Not Classified as Environmentally Hazardous  
according to Directive 1999/45/EC, as amended.

**4 - FIRST AID MEASURES**

INHALATION..... Remove patient to fresh air.

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**4 - FIRST AID MEASURES (continued)**

SKIN..... Wash affected area with plenty of water.  
EYES..... If substance has got into eyes, immediately wash out with plenty of water for several minutes. Seek medical advice.  
INGESTION..... Rinse mouth with water (do not swallow). When in doubt or symptoms persist, seek medical attention.

**5 - FIRE-FIGHTING MEASURES**

EXTINGUISHER..... In case of fire use water, alcohol resistant foam, carbon dioxide or dry agent.  
SPECIAL PROCEDURES..... No special requirements.  
SPECIAL HAZARDS..... None identified.

**6 - ACCIDENTAL RELEASE MEASURES**

SPILL CONTROL..... Absorb spillage in inert material and shovel up. Flush spill area with copious amounts of water.  
PERSONAL PRECAUTIONS... Wash thoroughly after dealing with spillage.  
ENVIRONMENTAL..... Use appropriate containment to avoid environmental contamination.  
PROTECTION

**7 - HANDLING AND STORAGE**

HANDLING..... Ensure adequate ventilation. Do not breathe spray/mists. Wash thoroughly after use.  
STORAGE..... Keep from freezing. Keep out of reach of children.  
MATERIALS TO AVOID..... See MATERIALS TO AVOID under heading STABILITY.

**8 - EXPOSURE CONTROLS/SPECIAL PROTECTION**

EXPOSURE CONTROL..... General room ventilation is usually adequate. May be necessary to control air contaminants to concentrations below listed occupational exposure limits with local exhaust ventilation.  
EXPOSURE LIMITS.....

INGREDIENT	8 Hour TWA	15 Minute TWA
ETHYLENE GLYCOL MONOBUTYL ETHER (CAS# 111-76-2)	25 ppm 123 mg/m <sup>3</sup> . OES UK HSE EH40 (Sk)	Not determined
ETHYL ALCOHOL (CAS# 64-17-5)	1920 mg/m <sup>3</sup> . 1000 ppm OES UK HSE EH40	Not determined

**PROTECTIVE EQUIPMENT:**

RESPIRATORY..... No special requirements.  
HANDS/SKIN..... No special requirements.  
EYES..... No special requirements.  
GENERAL..... No special requirements.

**9 - PHYSICAL AND CHEMICAL PROPERTIES**

COLOUR..... clear

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**----- 9 - PHYSICAL AND CHEMICAL PROPERTIES (continued) -----**

PHYSICAL STATE.....	liquid
ODOUR.....	Characteristic odour.
pH.....	12-13
FLASH POINT.....	60°C
FLAMMABILITY.....	Does not support combustion
EXPLOSIVE LIMITS %VOL..	3.3-19 (Ethanol)
RELATIVE DENSITY.....	1.001-1.002 @ 20°C (D20/4)
SOLUBILITY IN WATER....	Completely soluble in water
VISCOSITY.....	Not determined.

**----- 10 - STABILITY AND REACTIVITY -----**

STABILITY.....	Product is stable and unreactive under normal household conditions of use.
MATERIALS TO AVOID.....	Reacts with acid. Reacts with aluminium and copper.
HAZARDOUS DECOMPOSITION PRODUCTS	None identified.

**----- 11 - TOXICOLOGY INFORMATION (Also See Section 3) -----**

ESTIMATED LD50 (Oral)...	>2 g/kg
INHALATION.....	Excessive exposure to spray mist, fog, or vapour may cause respiratory irritation.
SKIN.....	May cause irritation.
EYES.....	May cause irritation.
INGESTION.....	May cause abdominal discomfort.

**----- 12 - ECOLOGICAL INFORMATION -----**

ENVIRONMENTAL.....	This preparation is Not Classified as Environmentally Hazardous according to Directive 1999/45/EC, as amended.
CLASSIFICATION SUMMARY.....	On the basis of available information this preparation is not expected to produce any significant adverse environmental effects, when used as directed.

**----- 13 - DISPOSAL CONSIDERATIONS -----**

MATERIAL DISPOSAL.....	Disposal should be in accordance with local, state or national legislation.
CONTAINER DISPOSAL.....	Disposal should be in accordance with local, state or national legislation.

**----- 14 - TRANSPORT INFORMATION -----**

ROAD/RAIL (ADR/RID):

ADR/RID PROPER SHIPPING NAME:

CLASS..... Not classified as hazardous for road transport.

SEA (IMDG):

IMDG PROPER SHIPPING NAME:

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CLASS..... Not classified as hazardous for marine transport.  
MARINE POLLUTANT..... No.

AIR (ICAO/IATA):

ICAO CLASS..... Not determined.

**----- 15 - REGULATORY INFORMATION -----**

CLASSIFICATION..... Not Classified.  
S PHRASES..... (S2) Keep out of reach of children. (S26) In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
ADDITIONAL LABELLING... Do not breathe spray/mists. As with any household cleaner, avoid prolonged contact with this product. Wash and dry hands after use.  
EINECS/TSCA STATUS..... All components are included in these inventories.

**----- 16 - OTHER INFORMATION -----**

DETERGENT/CLEANER..... Disinfectants. (0.2-5%) Non-ionic surfactants. (0.2-5%) EDTA.  
LABELLING  
(89/542/EEC)

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