

MR MUSCLE Oven Cleaner**Date Issued: 23May2000****CLASSIFICATION: Irritant. Extremely Flammable.**

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1 - PRODUCT IDENTIFICATION

BRAND NAME..... MR MUSCLE Oven Cleaner
 PACK CODE..... 160320
 REVISION..... 3
 DATE ISSUED..... 23May2000
 SUPERSEDES DATE..... New.
 CHANGES SINCE LAST..... Bar (I) in the left margin denotes a revision from previous
 REVISION MSDS. 2 Composition/information on ingredients. 5 Fire-fighting
 measures. 9 Physical and chemical properties. 15 Regulatory
 information. 16 Other information.

2 - COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT	WEIGHT%	SYMBOL	R-PHRASES
BUTANE/PROPANE.....	5-10	F+	R12
SODIUM ORTHOSILICATE (CAS# 1344-09-8).....	5-10	C	R34
PRIMARY ALCOHOL ETHER SULPHATE..... (CAS# 96130-61-9)	1-5	Xi	R36 R38
POTASSIUM ALKYL ETHER SULPHATE.....	1-5	Xi	R36
N-METHYL-2-PYRROLIDONE (CAS# 872-50-4).....	<1.0	Xi	R36 R38

(R12) Extremely Flammable.
 (R34) Causes burns.
 (R36) Irritating to eyes.
 (R38) Irritating to skin.

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

HAZARDS TO HUMAN HEALTH Risk of serious damage to eyes. Irritating to skin.
 SIGNS & SYMPTOMS:
 INHALATION..... Spray mist, fog, or vapour may cause severe respiratory
 irritation. Intentional misuse by deliberately concentrating and
 inhaling contents can be harmful or fatal.
 SKIN..... Causes severe irritation.
 EYE..... Direct contact can cause severe irritation and possible
 irreversible damage.
 INGESTION..... May cause severe irritation.
 PHYSICO-CHEMICAL..... Extremely Flammable.
 HAZARDS
 ENVIRONMENTAL HAZARDS.. On the basis of available information this preparation is not
 expected to produce any significant adverse environmental
 effects, when used as directed.

4 - FIRST AID MEASURES

INHALATION..... Remove patient to fresh air. Seek medical attention if
 irritation persists.

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

SKIN..... After contact with skin, wash immediately with plenty of water. Seek medical attention if irritation persists.

EYES..... If substance has got into eyes, immediately wash out with plenty of water for at least 20 minutes. Seek immediate medical attention.

INGESTION..... If swallowed seek medical advice immediately and show this container or label.

----- **5 - FIRE-FIGHTING MEASURES** -----

EXTINGUISHER..... In case of fire use foam, carbon dioxide or dry agent.

SPECIAL PROCEDURES..... If possible, fight fire from protected position. In case of fire and/or explosion do not breathe fumes.

█ SPECIAL HAZARDS..... Oxides of sulphur and carbon may be formed.

----- **6 - ACCIDENTAL RELEASE MEASURES** -----

SPILL CONTROL..... No special requirements.

PERSONAL PRECAUTIONS... Wear protective clothing as per section 8. Ventilate area. Wash thoroughly after dealing with spillage.

ENVIRONMENTAL..... No special requirements.

PROTECTION

----- **7 - HANDLING AND STORAGE** -----

HANDLING..... Use only in well ventilated areas. Keep away from heat and sources of ignition. Do not breathe spray/mists. Wash thoroughly after use.

STORAGE..... Keep out of reach of children. Keep away from heat and sources of ignition. Keep container in a well ventilated place.

CONDITIONS TO AVOID.... Keep away from heat.

MATERIALS TO AVOID..... Keep away from acid.

----- **8 - EXPOSURE CONTROLS/SPECIAL PROTECTION** -----

EXPOSURE CONTROL..... Use only in well ventilated areas.

EXPOSURE LIMITS.....

INGREDIENT	8 Hour TWA	15 Minute TWA
N-METHYL-2-PYRROLIDONE (CAS# 872-50-4)	412 mg/m3. 100 OES UK HSE EH40	Not determined

PROTECTIVE EQUIPMENT:

RESPIRATORY..... No special requirements.

HANDS/SKIN..... Wear rubber gloves.

EYES..... Safety glasses.

GENERAL..... Contaminated clothing should be laundered before reuse.

----- **9 - PHYSICAL AND CHEMICAL PROPERTIES** -----

COLOUR..... Not applicable,

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

PHYSICAL STATE..... Aerosol.
ODOUR..... Characteristic odour.
pH..... 13-14
FLASH POINT..... Not applicable.
EXPLOSIVE LIMITS %VOL.. 1.9-8.4 (Butane)
VISCOSITY..... Not applicable.

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

STABILITY..... Stable.
MATERIALS TO AVOID..... Reacts with acid.
HAZARDOUS DECOMPOSITION PRODUCTS
None identified.

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

ESTIMATED LD50 (Oral).. >2 ml/kg (intermediate).
INHALATION..... Spray mist, fog, or vapour may cause severe respiratory irritation. Intentional misuse by deliberately concentrating and inhaling contents can be harmful or fatal.
SKIN..... Severely irritating to skin.
EYES..... Risk of serious damage to eyes. Possible risk of irreversible effects.
INGESTION..... May cause severe irritation.

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

PERSISTENCE & DEGRADABILITY..... No experimental data available.
FISH TOXICITY (LC50)... No experimental data available.

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

MATERIAL DISPOSAL..... Disposal should be in accordance with local, state or national legislation.
CONTAINER DISPOSAL..... Dispose of empty aerosol containers with routine waste.

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

ROAD/RAIL (ADR/RID):

ADR/RID PROPER SHIPPING NAME:

UN #..... 1950
CLASS..... 2
ITEM NO..... 5°A
ENTRY DESCRIPTION.. Aerosols.
DEROGATION..... Limited quantities derogation may be applicable to this product, please check transport documents.

SEA (IMDG):

IMDG PROPER SHIPPING NAME:

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----- 14 - TRANSPORT INFORMATION (continued) -----

UN #.....	UN1950
CLASS.....	2
ENTRY DESCRIPTION..	AEROSOLS.
EmS.....	2-13
MARINE POLLUTANT.....	No.
DEROGATION.....	Limited quantities derogation may be applicable to this product, please check transport documents.

AIR (ICAO/IATA):

ICAO CLASS..... Not determined.

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

CLASSIFICATION.....	Irritant. Extremely Flammable.
R PHRASES.....	(R41) Risk of serious damage to eyes. (R38) Irritating to skin. (R12) Extremely Flammable.
S PHRASES.....	(S2) Keep out of reach of children. (S24/25) Avoid contact with skin and eyes. (S26A) In case of contact with eyes, rinse immediately with plenty of water for at least 20 minutes and seek medical advice. (S28) After contact with skin, wash immediately with plenty of water. (S46) If swallowed seek medical advice immediately and show this container or label. (S16) Keep away from sources of ignition - No Smoking.
ADDITIONAL LABELLING...	Use only as directed. Wear suitable gloves and eye/face protection. Do not breathe spray/mists. Use only in well ventilated areas. Pressurized container; protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Do not spray on or near naked flame or any incandescent material. Keep away from sources of ignition - No Smoking.
EINECS/TSCA STATUS.....	All components are included in these inventories.

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

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

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