



SAFETY DATA SHEET

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

Identification of the substance or preparation:

Name: M2 HELMET INTERIOR CLEAN
Product code: 35775

Company/undertaking identification:

Registered company name: MOTUL.
Address: Chemin du Corps de Garde. 77360. VAIRES SUR MARNE. FRANCE.
Telephone: 33.1.64.72.86.00. Fax: 33.1.64.72.86.25.
Email: motul_hse@motul.fr

Emergency telephone: +44 (0) 1235 239 670.

Association/Organisation: .

Use of the substance/preparation:

Disinfecting interior helmet cleaner

2 - HAZARDS IDENTIFICATION

This product is classified: Flammable.

This preparation is not classified as hazardous to health by directive 1999/45/EC.

Other data:

This product is for use as a biocide.

3 - COMPOSITION/INFORMATION ON INGREDIENTS

Full text of risk phrases appearing in section 3: see section 16.

Hazardous substances present on their own:

(present in the preparation at a sufficient concentration to give it the toxicological characteristics it would have in a 100% pure state)

This preparation contains no hazardous substance in this category.

Other substances representing a hazard:

No known substance in this category present.

Substances present at a concentration below the minimum danger threshold:

INDEX	CAS	EC	Name	Symb.	R:	%
603-064-00-3	107-98-2	203-539-1	MONOPROPYLENE GLYCOL METHYL ETHER		10 67	2.5 <= x % < 10
603-117-00-0	67-63-0	200-661-7	PROPAN-2-OL	Xi F	11 36 67	2.5 <= x % < 10
	CONFIDENTIEL	CONFIDENTIEL	ALIPHATIC C12 18 ALCOHOL	Xi	38	1 <= x % < 2.5

Other substances with occupational exposure limits:

INDEX	CAS	EC	Name	Symb.	R:	%
	34590-94-8	252-104-2	(2-METHOXYMETHYLETHOXY)PR OPANOL			2.5 <= x % < 10
603-002-00-5	64-17-5	200-578-6	ETHANOL	F	11	2.5 <= x % < 10

4 - FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing in an unconscious person.

In the event of exposure by inhalation:

If a large quantity is inhaled, move the patient into the fresh air and keep him/her warm and still.

Apply resuscitation techniques. Prolonged clinical monitoring may be necessary.

In the event of splashes or contact with eyes:

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Wash thoroughly with soft, clean water for 15 minutes holding the eyelids open.
Refer the patient to an ophthalmologist, in particular if there is any redness, pain or visual impairment.

In the event of splashes or contact with skin:

Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner.
DO NOT use solvents or thinners.

In the event of swallowing:

In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.
If swallowed accidentally, call a doctor to assess the need for monitoring and subsequent treatment in hospital. Show him the label.

5 - FIRE-FIGHTING MEASURES

Chemical powders, carbon dioxide and other extinguishing gas are suitable for small fires.

Suitable extinguishing media:

Special foams for polar liquids (known as alcohol resistant), powders, carbon dioxide.

Extinguishing media which must not be used for safety reasons:

Sometimes, and due to the presence of organic material, a fire may produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

Prevent the effluent of fire-fighting measures from entering drains or waterways.

Special protective equipment for fire-fighters:

Fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.

Due to the toxicity of the gas emitted on thermal decomposition of the products, fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.

6 - ACCIDENTAL RELEASE MEASURES**Personal precautions:**

On account of the organic solvents contained in the preparation, eliminate sources of ignition and ventilate the premises.

Avoid inhaling the vapors.

Consult the safety measures listed under headings 7 and 8.

Depending on the risk of exposure, wear gloves, goggles and protective clothing.

Spilled product may make surfaces slippery.

Environmental precautions:

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

Use drums to dispose of waste recovered in accordance with applicable regulations (see heading 13).

If the product contaminates waterways, rivers or drains, alert the relevant authorities in accordance with statutory procedures

Methods for cleaning up:

Clean preferably with a detergent, do not use solvents.

7 - HANDLING AND STORAGE

The regulations relating to storage premises apply to workshops where the product is handled.

Handling:

Handle in well-ventilated areas.

The vapors are denser than air. They can spread along the ground and form explosive mixtures with air

Prevent the formation of flammable or explosive concentrations in air and avoid vapor concentrations higher than the occupational exposure limits.

Avoid contact with eyes.

Keep away from sources of ignition

Take precautionary measures against static discharges.

Follow standard health and safety rules on account of flammability.

Do not breathe vapours

No smoking.

Fire prevention:

Prevent the accumulation of electrostatic charges with connections to earth

The preparation may become electrostatically charged; always place on the ground during transfer. Wear antistatic shoes and clothes and make floors of conductive materials.

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Use the product in premises where there are no naked flames or other sources of ignition and have protected electrical equipment
 Keep packages tightly closed and away from sources of heat, sparks and naked flames.
 Do not use tools which may produce sparks. Do not smoke.
 Prevent access by unauthorised personnel.
 Vapours may be harmful in case of combustion.

Recommended equipment and procedures:

For personal safety, see §8.

Observe precautions stated on label and also industrial safety regulations

Avoid inhaling solvent vapors and spray-gun aerosols

Packages which have been opened must be reclosed carefully and stored in an upright position

Avoid inhaling vapors.

Where the personnel must carry out work in a booth, whether for spraying or otherwise, the ventilation may be inadequate to control particles and solvent vapors in every case.

It is therefore recommended that personnel wear masks with a compressed air supply during spraying operations until the concentration of particles and solvent vapors has fallen below the exposure limits.

Keep in original container. Do not pierce or burn, even after usage.

Prohibited equipment and procedures:

Smoking, eating and drinking are prohibited in premises where the preparation is used

Never open the packages under pressure

Storage:

Keep the container tightly closed in a dry place.

Keep away from all sources of ignition - do not smoke.

Keep well away from all sources of ignition, heat and direct sunlight

The floor must be impermeable and form a collecting basin so that, in the event of an accidental spillage, the liquid cannot spread beyond this area.

Keep container in a well-ventilated place.

Keep out of the reach of children.

Keep from freezing.

8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Use personal protection equipment as per Directive 89/686/EEC.

Technical measures:

Ensure adequate ventilation, if possible with extractor fans at work posts and appropriate general extraction.

If this ventilation is insufficient to maintain the concentration of solvent vapors below the exposure limits, wear breathing apparatus

Exposure limit values per INRS ED 984:

France	VME-ppm:	VME-mg/m3:	VLE-ppm:	VLE-mg/m3:	Notes:	TMP N°:
67-63-0	-	-	400	980	-	84
107-98-2	50	188	100	375	*	84
64-17-5	1000	1900	5000	9500	-	84
34590-94-8	50	308	-	-	*	84

Exposure limit values per 2006/15/CE, 2000/39/EC and 98/24/EC:

EC	VME-mg/m3:	VME-ppm:	VLE-mg/m3:	VLE-ppm:	Notes:
107-98-2	375	100	568	150	Peau
34590-94-8	308	50	-	-	Peau

Exposure limit values (2003-2006):

Germany/AGW	AGW:	AGW:	Faktor:	Bemerkungen:	
67-63-0	200 ml/m3	500 mg/m3	2(II)	DFG, Y	
107-98-2	100 ml/m3	370 mg/m3	2(I)	DFG, Y	
64-17-5	500 ml/m3	960 mg/m3	2(II)	DFG, Y	
34590-94-8	50 ml/m3	310 mg/m3	1(I)	DFG, EU	
UK/WELs	TWA:	STEL:	Ceiling:	Definition:	Criterion:
67-63-0	400 ppm	500 ppm	-	-	-
107-98-2	100 ppm	150 ppm	-	-	-
64-17-5	1000 ppm	-	-	-	-
34590-94-8	50 ppm	-	-	-	-
UK/OES	TWA:	STEL:	Ceiling:	Definition:	Criterion:
67-63-0	400 ppm	500 ppm	-	-	-
107-98-2	100 ppm	150 ppm	-	-	-

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64-17-5	1000 ppm	-	-	-	-
34590-94-8	50 ppm	-	-	-	-
ACGIH/TLV	TWA:	STEL:	Ceiling:	Definition:	Criterion:
67-63-0	200 ppm	400 ppm	-	-	-
107-98-2	100 ppm	150 ppm	-	-	-
64-17-5	1000 ppm	-	-	-	-
34590-94-8	100 ppm	150 ppm	-	-	-

Respiratory protection:

Where workers encounter concentrations higher than the exposure limits, they must wear suitable, approved masks.

Anti-gas filters :

Hand protection:

Protective creams may be used for exposed skin, but they should not be applied after contact with the product.

In the event of prolonged or repeated contact with the hands, use appropriate gloves.

Type of gloves recommended :

- Butyl rubber
- Neoprene

Eye and face protection:

Use eye protectors designed to protect against liquid splashes

Skin protection:

For further information, see § 11 of S.D.S. - Toxicological information.

Face shield, boots, fluid-impermeable clothing, safety shoes, if needed.

9 - PHYSICAL AND CHEMICAL PROPERTIES**General information:**

Physical state:	fluid liquid
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Important health, safety and environmental information:

pH of the substance or preparation:	neutral.
When a pH measure is possible, it has a value of:	not stated.
Boiling point/boiling range:	80 °C.
Flash point interval:	23°C <= Flash point <= 55°C
Vapour pressure:	Below 110 kPa (1.10 bar).
Density:	< 1
Water solubility:	Dilutable.

Other information:

Self-ignition temperature:	250 °C.
Decomposition point/decomposition range :	250 °C.

10 - STABILITY AND REACTIVITY

When exposed to high temperatures, the preparation may release dangerous decomposition products such as carbon monoxide and dioxide, smoke and nitrogen oxide

Conditions to avoid:

Keep away from heat and from sources of ignition
Take precautionary measures against static discharges.
The frost

Materials to avoid:

Strong oxidants

Hazardous decomposition products:

Toxic by-products such as carbon monoxide

11 - TOXICOLOGICAL INFORMATION

No data is available regarding the preparation itself.

Splashes in the eyes may cause irritation and reversible damage

In the event of exposure by inhalation:

Inhalation of fumes can cause irritation of the respiratory system of very sensitive individuals.

In the event of swallowing:

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Can cause digestive system upsets, such as diarrhoea and nausea.

In the event of splashes or contact with skin:

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non allergic contact dermatitis and absorption through the skin.

In the event of splashes or contact with eyes:

Irritation of the eyes

Other data:

CAS 64-17-5 : IARC Group 1: The agent is carcinogenic to humans.

CAS 67-63-0 : IARC Group 3: The agent is not classifiable as to its carcinogenicity to humans.

12 - ECOLOGICAL INFORMATION

No ecological data on the product itself is available.

The product must not be allowed to run into drains or waterways.

Other adverse effects:

Germany: WGK 2 (VwVwS vom 17/05/99, KBws)

Do not dispose of the product in the natural environment, effluents or surface waters.

13 - DISPOSAL CONSIDERATIONS

Do not pour into drains or waterways.

Waste:

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging:

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

14 - TRANSPORT INFORMATION

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2009 - IMDG 2008 - ICAO/IATA 2009).

Classification:



UN1987=ALCOHOLS, N.O.S.
(propan-2-ol)

ADR/RID	Class	Code	Pack gr.	Label	Ident.	LQ	Provis.	EQ	Cat.	Tunnel
	3	F1	III	3	30	LQ7	274 601	E1	3	D/E
IMDG	Class	2°Label	Pack gr.	LQ	EMS	Provis.	EQ			
	3	-	III	5 L	F-E,S-D	223 274	E1			
IATA	Class	2°Label	Pack gr.	Passager	Passager	Cargo	Cargo	note	EQ	
	3	-	III	309	60 L	310	220 L	A3	E1	
	3	-	III	Y309	10 L	-	-	A3	E1	

15 - REGULATORY INFORMATION

This product is for use as a biocide.

Classification by:

So called 'all preparations' Directive 1999/45/EC and its adaptations.

EC regulation 1272/2008 (CLP) and its adaptations (EC regulation 790/2009).

Preparation classification:

Flammable

Particular hazards associated with the preparation and safety recommendations:

R 10	Flammable.
S 2	Keep out of the reach of children.
S 46	If swallowed, seek medical advice immediately and show this container or label.
S 51	Use only in well-ventilated areas.
S 23	do not breathe vapour
	Do not use for any purpose other than the one for which it is intended

Particular provisions:

Germany: WGK 2 (VwVwS vom 17/05/99, KBws)

16 - OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The product must not be used for any purposes other than those specified under heading 1 without first obtaining written handling instructions. It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information given on this safety data sheet must be regarded as a description of the safety requirements relating to our product and not a guarantee of its properties

Full text of risk phrases appearing in section 3:

R 10	Flammable.
R 11	Highly flammable.
R 36	Irritating to eyes.
R 38	Irritating to skin.
R 67	Vapours may cause drowsiness and dizziness.

Labelling for contents (REGULATION (EC) No 648/2004 - 907/2006):

- less than 5 % : nonionic surfactants
- perfumes
- preservation agents
- chlorhexidine digluconate
- quaternary ammonium compounds, benzyl-c12-14-alkyldimethyl, chlorides

Biocide labelling (Regulations 1896/2000, 1687/2002, 2032/2003, 1048/2005, 1849/2006, 1451/2007 and Directive 98/8/CE):

Name	CAS	%	TP
ETHANOL	64-17-5	99.90 g/kg	02
PROPAN-2-OL	67-63-0	100 g/kg	02
QUATERNARY AMMONIUM COMPOUNDS, BENZYL-C12-14-ALKYLDIMETHYL, CHLORIDES	2989-09-22-9	0.49 g/kg	02
D-GLUCONIC ACID, COMPOUND WITH N,N"-BIS(4-CHLOROPHENYL)-3,12-DIIMINO-2,4,11,13-TETRAAZATETRADECANEDIAMIDINE (2:1)	18472-51-0	1.20 g/kg	02