

EC Safety Data Sheet (91/155/EEC)



Mr. Clean Oil Ex Spray

Created on: 18. 05. 2007

Reviewed on: 18. 05. 2007

Oil Spot Remover

1. SUBSTANCE / PREPARATION AND COMPANY NAME

Trade name	Mr. Clean Oil Ex Spray
Manufacturer / supplier	RAW Handel und Beratungs GmbH Grünstraße 5 D-79232 March-Hugstetten Tel. +49 (0) 7665 / 934 29 - 0 Fax +49 (0) 7665 / 934 29 - 25
Contact for information	Product Information, Dipl.-Ing. M. Fischer, Tel. +49 (0) 163 / 50 737 60
Emergency information (24 h)	Dipl.-Ing. M. Fischer or Toxicological Information Sources and Poison Centre in Bonn, Tel. +49 (0) 228 / 19240

2. COMPOSITION / DATA ON CONSTITUENTS

Chemical characterisation:

Colloid suspension with silicon dioxide and organic solvents, (water-free).

Chemical characterisation / Constituents:

CAS No.	Designation	% w/w	Symbol	R phrases
141-78-6	Ethyl acetate	55%	F+, Xi	R12,36,66/67
50159012	Silicon dioxide	5%	-	-
EINECS No.	Designation	% w/w	Symbol	R phrases
200-827-9	Propane	20%	F+, Xi	R12
203-446-7	Butane	20%	F+, Xi	R12

3. POSSIBLE HAZARDS

Hazard symbol: F⁺, Xi
Hazard description: Extremely flammable, irritant

R12 Extremely flammable
R36 Irritating to eyes
R66 Repeated exposure may cause skin dryness or cracking.
R67 Vapours may cause drowsiness and dizziness.

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4. FIRST AID MEASURES

After swallowing, make the patient drink large amounts of water. Rinse out mouth with water.

General notes:

After inhalation: Move the patient out of the danger zone, observing appropriate protective measures. If the breathing is irregular or the patient has stopped breathing, perform artificial respiration. Place the patient in a comfortable position and immediately obtain further medical assistance.

After skin contact: Immediately remove contaminated clothes, rinse with large amounts of water.

After eye contact: Immediately rinse the eyes with running water with the lids held apart for at least 15 minutes and obtain further medical assistance.

5. FIRE FIGHTING MEASURES

Suitable extinguishing agents:

Carbon dioxide, dry powder or water spray jet; fight larger fires with a water spray jet or alcohol-resistant foam. A strong water jet is not suitable.

Particular hazards posed by the substance, its combustion products or gases produced:

The product is highly flammable and can form explosive mixtures with air. Pay particular attention with empty and uncleaned containers!

Particular protective equipment for fighting fires:

Employ self-contained breathing apparatus and wear full-body protective clothing.

6. MEASURES AFTER ACCIDENTAL RELEASE

Person-specific precautionary measures:

Wear protective clothing, keep unprotected persons away. Avoid skin and eye contact, ensure adequate ventilation.

Environmental measures:

Inspect cans for functionality and leak-tightness. Prevent solvents escaping from cans from running into rivers, lakes, streams, the sewage system, pits and cellars. If the environment is contaminated, notify the responsible authorities.

Procedure for picking up / cleaning:

Ensure adequate ventilation, pick up using suitable binders.

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7. HANDLING AND STORAGE

Handling / storage

Do not smoke, eat or drink when using the product; do not spray in the eyes; ensure good ventilation in closed rooms. Keep the containers tightly closed and store in a cool place. Keep away from sparks and naked flames.

Notes on fire and explosion protection

Use only in a well-ventilated room; avoid causing sparks; use with explosion-proof tools and explosion-proof electrical equipment.

Demands on storage rooms and containers

Protect from the sun; do not transport inside cars. Observe the storage regulations of TRG 300 for inflammable aerosols.

8. EXPOSURE LIMITS AND PERSONAL PROTECTIVE EQUIPMENT

Constituents with workplace-related limits to be monitored:

Contains:	Propane/butane	MWC value 1000 ppm
	Ethyl acetate	MWC value 400 ppm

Personal protective equipment:

Breathing protection: If higher concentrations occur, use self-contained breathing apparatus.
Skin protection: Protective gloves of butyl rubber with wrist guards
Body protection: Avoid contact with the skin
Eye protection: Wear tightly fitting safety goggles

9. PHYSICAL AND CHEMICAL PROPERTIES

Can contents

Form:	aerosol	Odour:	characteristic, pleasant
Colour:	whitish	Boiling point:	- 76 to - 78 °C
Ignition temperature:	approx. 250 °C	Flash point:	- 1 °C
Explosion hazard:	The product is not explosive, but explosive vapour/air mixtures may be formed.		
Explosion limits:	lower - 0.6% v/v	upper (not determined)	
Vapour pressure:	at 20 °C	3.5 bar (can contents pressure)	
Vapour pressure:	at 50 °C	6.0 bar (can contents pressure)	
Test pressure of the cans used:		12 bar	
Density:	at 20 °C	approx. 1.0 g/ml (estimated)	
Solubility:	at 20 °C	barely soluble in water	

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10. STABILITY AND REACTIVITY

Hazardous reactions: Explosion risk if heated
Hazardous decomposition: None if used in accordance with the instructions
Hazardous decomposition products: None if used in accordance with the instructions; in the event of a fire, however, decomposes to form carbon dioxide and carbon monoxide

11. INFORMATION ON TOXICOLOGY

Contains: Propane/butane 1000 ppm MWC value
Ethyl acetate 400 ppm MWC value

Experience: Inhalation of the solvent and propellant gas vapours can lead to narcotic effects.
No toxic effects are known from the natural preparation.

12. INFORMATION ON ECOLOGY

Notes: Water hazard class: WK 1 (self-classifying); minor hazard for water.
Must not be allowed to drain into the sewers or open water.

13. INFORMATION ON DISPOSAL

Product, recommendation: Dispose of not completely emptied cans at the problem waste disposal centre
Waste code number: 150 110 (can with residues) according to AW: 150 104 (metal packaging)

AW = Abfallwirtschaft (Waste management)

14. INFORMATION ON TRANSPORT

Storage transport ADR/RID and GGVS/GGVE	Warn signs	Hazard No.	UN No.:
GGVS:	Pressurised gas packagings contains propane/butane	2, 5 F LQ2 Hazard leaflet 2.1	UN No.: 1950
GGVSE:	Pressurised gas packagings contains propane/butane	2, 5 F LQ2 Hazard leaflet 2.1	UN No.: 1950
Inland waterway transport	Pressurised gas packagings	2, 5 F LQ2	UN No.: 1950
Sea ship transport:	Aerosols, containing propane/butane	2 Page 2102 EMS-Nr- 2-13	Pkg. Gr.: II MFAG No. 620 UN No.: 1950
Air transport:	Aerosols, flammable. n.o.s. Containing propane/ butane	Hazard leaflet 2.1 Sub. Risk Pkg. Notes: Pass 203/75 Kg	Pkg. Gr. II UN No.: 1950

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UN: United Nations. MFAG: Medical First Aid Guide. EMS: Emergency Schedules. Pkg. Gr.: Packaging Group

15. REGULATIONS

F+ Extremely flammable
Xi Irritant

Regulations: Labelling in accordance with EC Directive 2001/ 85/ EC

Container is pressurised. Do not expose to direct sunlight. Do not puncture or burn even after use. Do not spray against flames or incandescent objects. Keep away from sources of ignition. No smoking. Keep out of the reach of children. Do not inhale aerosol. Use only in well-ventilated areas. Dispose of not completely emptied cans at the problem waste disposal centre.

R phrases: 11 - Highly flammable. 12 - Extremely flammable. 36 - Irritating to eyes
66 - Repeated exposure may cause skin dryness or cracking.
67 - Vapours may cause drowsiness and dizziness.

S phrases: 2 - Keep out of the reach of children.
15 - Keep away from heat. 16 - Keep away from sources of ignition - No smoking.
23 - Do not inhale aerosol. 24/25 - Avoid contact with eyes and skin.
29 - Do not empty into drains. 51 - Use only in well-ventilated areas.

National regulations:

Instructions for pest control (Germany)	—	none
Accident Ordinance	—	none
Ordinance for Inflammable Fluids	—	none
Technical Rules Air (Germany):	—	Class III
Water hazard class:	—	1

16. OTHER INFORMATION

The information given above is based on our present level of knowledge and does not constitute an assurance of properties. No claim is made to exhaustiveness. The information should only be considered a general guideline. Existing laws and regulations must be observed by the recipients of our products at their own responsibility. The company cannot be held responsible for damage resulting from the use of the product.