

SAFETY DATA SHEET

Oil & grease stain absorber

1. Identification of the substance/preparation and of the company/undertaking

Identification of the substance or preparation

Product name : Oil & grease stain absorber
Product use : Is a product for removing virtually all types of oil and grease stains and blemishes from all porous tile and stone surfaces, such as ceramic tiles, terracotta, marble, limestone and other types of natural stone, as well as cement and concrete floors.

Company/undertaking identification

Manufacturer : HG International b.v. **Telephone No.:** : +31 (0)36 54 94 700
Address : Damsluisweg 70 **Fax** : +31 (0)36 54 94 744
 1332 EJ Almere **Internet:** : www.hginternational.com
Country : Netherlands
Importer : HG UK
Address : Unit 11 Grange Way Business Park Whitehall Road Industrial Estate
 Uk Colchester Essex CO2 8HF
Telephone No.: : +44.1206.795.200
Fax : +44.1206.795.201
Country : Netherlands
Emergency telephone number : ----

2. Composition/information on ingredients

Substance/preparation : Preparation

Ingredient name	CAS number	EC Number	%	Classification
Europe				
Naphtha (petroleum), hydrotreated light	64742-49-0	265-151-9	30-100	F; R11 Xn; R65 Xi; R38 R67 N; R51/53
methylal	109-87-5	203-714-2	15-30	F; R11
sepiolite (mg2h2(sio3)3.xh2o)	63800-37-3	264-465-3	5-15	Xi; R41
1,3-Dioxolane	646-06-0	211-463-5	5-15	F; R11
Xylene	1330-20-7	215-535-7	5-15	R10 Xn; R20/21 Xi; R38

See section 16 for the full text of the R Phrases declared above

* Occupational Exposure Limit(s), if available, are listed in Section 8

3. Hazards identification

The preparation is classified as dangerous according to Directive 1999/45/EC and its amendments.

Classification : F; R11
 Xi; R38, 41
 R67
 N; R51/53
Physical/chemical hazards : Highly flammable.

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- Human health hazards** : Irritating to skin.
Risk of serious damage to eyes.
Vapours may cause drowsiness and dizziness.
- Environmental hazards** : Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.
See section 11 for more detailed information on health effects and symptoms.

4. First aid measures

First aid measures

- Inhalation** : If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms appear.
- Ingestion** : Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately.
- Skin Contact** : In case of contact, immediately flush skin copiously with water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Obtain medical attention immediately.
- Eye contact** : In case of contact, immediately flush eyes with a copious amount of water for at least 15 minutes. Obtain medical attention immediately.

See section 11 for more detailed information on health effects and symptoms.

5. Fire-fighting measures

- Extinguishing media** : Use foam or all-purpose dry chemicals to extinguish. This material is toxic to aquatic organisms. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
- Special exposure hazards** : Highly flammable liquid and vapour. Vapour may cause flash fire. Vapours may accumulate in low or confined areas, travel a considerable distance to a source of ignition and flash back. Runoff to sewer may create fire or explosion hazard.
Not available.
- Hazardous thermal decomposition products** : These products are carbon oxides (CO, CO₂), nitrogen oxides (NO, NO₂...), halogenated compounds. Some metallic oxides.
- Special protective equipment for fire-fighters** : Fire-fighters should wear self-contained positive pressure breathing apparatus (SCBA) and full turnout gear.

6. Accidental release measures

- Personal Precautions** : Immediately contact emergency personnel. Eliminate all ignition sources. Keep unnecessary personnel away. Use suitable protective equipment (Section 8). Follow all fire fighting procedures (Section 5). Do not touch or walk through spilled material.
- Environmental precautions and clean-up methods** : Minimize contact of spilled material with soils to prevent runoff to surface waterways. See Section 13 for Waste Disposal Information.
If emergency personnel are unavailable, contain spilled material. For small spills add absorbent (soil may be used in the absence of other suitable materials) and use a non-sparking or explosion proof means to transfer material to a sealed, appropriate container for disposal. For large spills dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal.

Note: see section 8 for personal protective equipment and section 13 for waste disposal.

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7. Handling and storage

- Handling** : Avoid contact with eyes, skin and clothing. Keep container closed. Use only with adequate ventilation. Keep away from heat, sparks and flame. To avoid fire or explosion, dissipate static electricity during transfer by earthing and bonding containers and equipment before transferring material. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Avoid contact of spilled material and runoff with soil and surface waterways. Wash thoroughly after handling.
- Storage** : Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).
- Packaging materials Recommended** : Use original container.

8. Exposure controls/personal protection

<u>Ingredient name</u>	<u>Occupational exposure limits</u>
<u>United Kingdom (UK)</u> methylal	EH40-OES (United Kingdom (UK), 2002). Notes: STEL: 3950 mg/m ³ 15 minute(s). STEL: 1250 ppm 15 minute(s). TWA: 3160 mg/m ³ 8 hour(s). TWA: 1000 ppm 8 hour(s).
Xylene	EH40-OES (United Kingdom (UK), 2002). Skin Notes: STEL: 441 mg/m ³ 15 minute(s). STEL: 100 ppm 15 minute(s). TWA: 220 mg/m ³ 8 hour(s). TWA: 50 ppm 8 hour(s).

- Exposure controls**
- Occupational exposure controls** : Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapours below their respective occupational exposure limits. Ensure that eyewash stations and safety showers are close to the workstation location.
- Respiratory protection** : Use appropriate respiratory protection if there is the potential to exceed the exposure limit(s).
- Hand protection** : Use latex gloves. Double latex gloves should be considered.
- Eye protection** : Safety glasses. Goggles, face shield, or other full-face protection if potential exists for direct exposure to aerosols or splashes.
- Skin protection** : Additional body garments should be used based upon the task being performed (e.g., sleevelets, apron, gauntlets, disposable suits) to avoid exposed skin surfaces. Appropriate techniques should be used to remove potentially contaminated clothing.

9. Physical and chemical properties

- General information**
- Appearance**
- Physical state** : Liquid. (Paste)
- Colour** : Beige.
- Odour** : Characteristic.
- Important health, safety and environmental information**
- pH** : Not applicable.
- Melting point** : May start to solidify at -26.1°C (-15°F) based on data for: Xylene. Weighted average: -92.19°C (-133.9°F)
- Boiling point** : The lowest known value is 42.3°C (108.1°F) (methylal). Weighted average: 63.28°C (145.9°F)
- Flash point** : Closed cup: 15°C (59°F).

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Flammability (solid, gas)	: Not applicable.
Explosive properties	: Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.
Explosion Limits	: The greatest known range is Lower: 1.6% Upper: 17.6% (methylal)
Oxidising properties	: Not available.
Relative density	: 0.88 g/cm ³
Solubility	: Soluble in methanol. Insoluble in cold water, hot water.
Viscosity	: Dynamic: 883 cP
Evaporation rate (butyl acetate = 1)	: 0.77 (Xylene) compared to Butyl acetate.

Other information

Auto-ignition temperature : The lowest known value is 236.9°C (458.4°F) (methylal).

10. Stability and reactivity

Stability	: The product is stable.
Conditions to Avoid	: Keep away from heat, sparks and flame. Keep away from sources of ignition.
Hazardous Decomposition Products	: These products are carbon oxides (CO, CO ₂), nitrogen oxides (NO, NO ₂ ...), halogenated compounds. Some metallic oxides.

11. Toxicological information

Potential acute health effects

Inhalation	: Practically non-toxic by inhalation.
Ingestion	: No specific hazard.
Skin Contact	: Irritating to skin.
Eye contact	: Severely irritating to eyes.

Acute toxicity

<u>Ingredient name</u>	<u>Test</u>	<u>Result</u>	<u>Route</u>	<u>Species</u>
methylal	LD50	>7950 mg/kg	Oral	Rat
1,3-Dioxolane	LD50	5200 mg/kg	Oral	Rabbit
	LD50	3200 mg/kg	Oral	Mouse
	LD50	3000 mg/kg	Oral	Rat
Xylene	LD50	4300 mg/kg	Oral	Rat
	LD50	2119 mg/kg	Oral	Mouse
	LD50	4300 mg/kg	Oral	Mammal
	LD50	>1700 mg/kg	Dermal	Rabbit
	LD50	1700 mg/kg	Dermal	Rabbit
	LDLo	50 mg/kg	Oral	human

Over-exposure signs/symptoms

Target organs : Contains material which causes damage to the following organs: blood, kidneys, liver, gastrointestinal tract, upper respiratory tract, skin, central nervous system (CNS), eye, lens or cornea.

Other adverse effects : Not available.

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12. Ecological information

Ecotoxicity data

<u>Ingredient name</u>	<u>Species</u>	<u>Period</u>	<u>Result</u>
methylal	Pimephales promelas (LC50)	96 hour(s)	6990 mg/l
Xylene	Oncorhynchus mykiss (LC50)	96 hour(s)	3.3 mg/l
	Oncorhynchus mykiss (LC50)	96 hour(s)	8.2 mg/l
	Lepomis macrochirus (LC50)	96 hour(s)	8.6 mg/l
	Lepomis macrochirus (LC50)	96 hour(s)	12 mg/l
	Lepomis macrochirus (LC50)	96 hour(s)	13.3 mg/l
	Pimephales promelas (LC50)	96 hour(s)	13.4 mg/l

Mobility : Not available.

Other adverse effects : Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

13. Disposal considerations

Methods of disposal : Avoid contact of spilled material and runoff with soil and surface waterways. Dispose of according to all federal, state and local applicable regulations.




Waste classification : Not applicable.

European waste catalogue (EWC) : Not available.

Hazardous waste : The classification of the product may meet the criteria for a hazardous waste

14. Transport information

International transport regulations

Regulatory information	UN number	Proper shipping name	Class	Packing group	Label	Additional Information
ADR/RID Class	1993	UN 1993, "dangerous goods in limited quantities of class 3", II, ADR (methylal, 1,3-Dioxolane)	3	II		Reportable quantity 12 Remarks Dangerous goods in limited quantities
ADN Class	1993	UN 1950, "dangerous goods in limited quantities of class 3", II, ADN (methylal, 1,3-Dioxolane)	3	II		RQ (Reportable quantity) ADN 12 Remarks Dangerous goods in limited quantities
IMDG Class	1993	"dangerous goods in limited quantities of class 3" UN 1993, PG II (methylal, 1,3-Dioxolane). Marine pollutant	3	II		Emergency schedules (EmS) 3-07 Marine pollutant Marine pollutant (P) Reportable quantity

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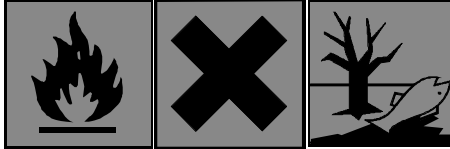
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						12
						Remarks Dangerous goods in limited quantities
IATA-DGR Class	1993	"dangerous goods in limited quantities of class 3" UN 1993, PG II (methyal, 1,3-Dioxolane)	3	II		-

15. Regulatory information

EU Regulations

Hazard symbol(s) :



Highly flammable, Irritant, Dangerous for the environment

Risk phrases :

R11- Highly flammable.
R38- Irritating to skin.
R41- Risk of serious damage to eyes.
R67- Vapours may cause drowsiness and dizziness.
R51/53- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety Phrases :

S2- Keep out of the reach of children.
S16- Keep away from sources of ignition - No smoking.
S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S29- Do not empty into drains.
S39- Wear eye/face protection.
S46- If swallowed, seek medical advice immediately and show this container or label.

Product use :

Classification and labelling have been performed according to EU directives 67/548/EEC, 1999/45/EC, including amendments and the intended use.
- Consumer applications.

Other EU regulations

Tactile warning of danger : Yes, applicable.

EC Statistical classification (Tariff Code) : 32089091

16. Other information

Full text of R phrases referred to in sections 2 and 3 - Europe : R11- Highly flammable.
R10- Flammable.
R20/21- Harmful by inhalation and in contact with skin.
R65- Harmful: may cause lung damage if swallowed.
R38- Irritating to skin.
R41- Risk of serious damage to eyes.
R67- Vapours may cause drowsiness and dizziness.
R51/53- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Full text of classifications referred to in sections 2 and 3 - Europe : F - Highly flammable
Xn - Harmful
Xi - Irritant
N - Dangerous for the environment.

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This safety data sheet is prepared in accordance with EU directive 91/155/EC amended by Directive 2001/58/EC



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Notice to reader

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