



## SAFETY DATA SHEET

### Oil & grease stain absorber

- 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 breathing is difficult, give oxygen. If not breathing, give artificial respiration. Obtain medical attention.
- Ingestion** : Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention if symptoms appear.
- 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.
- Notes to physician** : Not available.
- Specific treatments** : Not available.

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

#### 5. Fire-fighting measures

- Extinguishing media** : In case of fire, use water spray (fog), foam, dry chemical or CO<sub>2</sub> extinguisher or spray.
- Special exposure hazards** : 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, CO<sub>2</sub>), nitrogen oxides (NO, NO<sub>2</sub>...), halogenated compounds. Some metallic oxides.
- Special protective equipment for fire-fighters** : Fire fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

#### 6. Accidental release measures

- Personal Precautions** : Immediately contact emergency personnel. Eliminate all ignition sources. Keep unnecessary personnel away. Use suitable protective equipment (Section 8). Do not touch or walk through spilled material.
- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
- Methods for cleaning up** : 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.
- Specific uses** : Not available.

#### 8. Exposure controls/personal protection

##### Ingredient name

##### Occupational exposure limits

##### United Kingdom (UK)

Dimethoxymethane

##### **EH40-WEL (United Kingdom (UK), 1/2005).**

STEL: 3950 mg/m<sup>3</sup> 15 minute(s). Form: All forms

STEL: 1250 ppm 15 minute(s). Form: All forms

TWA: 3160 mg/m<sup>3</sup> 8 hour(s). Form: All forms

TWA: 1000 ppm 8 hour(s). Form: All forms

##### **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**

- : A respirator is not needed under normal and intended conditions of product use.

##### **Hand protection**

- : Chemical-resistant, impervious gloves or gauntlets complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.  
>8 hour(s) (breakthrough time): polyvinyl alcohol (PVA)

##### **Eye protection**

- : safety glasses with side shields

##### **Skin protection**

- : Work uniform or laboratory coat.

#### 9. Physical and chemical properties

##### **General information**

##### **Appearance**

##### **Physical state**

- : Liquid. (Viscous liquid.)

##### **Colour**

- : Beige.

##### **Odour**

- : Characteristic.

##### **Important health, safety and environmental information**

##### **pH**

- : Not applicable.

##### **Melting point**

- : May start to solidify at -95.1°C (-139.2°F) based on data for: 1,3-Dioxolane. Weighted average: -101.87°C (-151.4°F)

##### **Boiling point**

- : The lowest known value is 42.3°C (108.1°F) (Dimethoxymethane). Weighted average: 52.03°C (125.7°F)

##### **Flash point**

- : Closed cup: 15°C (59°F).

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<b>Flammability (solid, gas)</b>	: Not applicable.
<b>Explosive properties</b>	: Not available.
<b>Explosion Limits</b>	: The greatest known range is Lower: 1.6% Upper: 17.6% (Dimethoxymethane)
<b>Oxidising properties</b>	: Not available.
<b>Relative density</b>	: 0.88 g/cm <sup>3</sup> (20°C / 68°F)
<b>Solubility</b>	: Soluble in methanol. Insoluble in cold water, hot water.
<b>Viscosity</b>	: 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) (Dimethoxymethane).

### 10. Stability and reactivity

<b>Stability</b>	: The product is stable.
<b>Conditions to Avoid</b>	: Keep away from heat, sparks and flame. Keep away from sources of ignition. Stable under recommended storage and handling conditions (see section 7).
<b>Hazardous Decomposition Products</b>	: These products are carbon oxides (CO, CO <sub>2</sub> ), nitrogen oxides (NO, NO <sub>2</sub> ...), halogenated compounds. Some metallic oxides.

### 11. Toxicological information

#### Potential acute health effects

<b>Inhalation</b>	: No known significant effects or critical hazards.
<b>Ingestion</b>	: No known significant effects or critical hazards.
<b>Skin Contact</b>	: Irritating to skin.
<b>Eye contact</b>	: Severely irritating to eyes.

#### Acute toxicity

<u>Ingredient name</u>	<u>Test</u>	<u>Result</u>	<u>Route</u>	<u>Species</u>
Dimethoxymethane	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

#### Potential chronic health effects

<u>Ingredient name</u>	<u>Carcinogenic effects</u>	<u>Mutagenic effects</u>	<u>Developmental toxicity</u>	<u>Impairs fertility</u>
n-hexane	-	-	-	Repr. Cat. 3; R62

<b>Carcinogenicity</b>	: No known significant effects or critical hazards.
<b>Mutagenicity</b>	: No known significant effects or critical hazards.
<b>Reproductive toxicity</b>	: No known significant effects or critical hazards.

#### Over-exposure signs/symptoms

<b>Inhalation</b>	: No known significant effects or critical hazards.
<b>Ingestion</b>	: No known significant effects or critical hazards.
<b>Skin</b>	: No known significant effects or critical hazards.

#### Target organs

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: 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.

## 12. Ecological information

### Ecotoxicity data

<u>Ingredient name</u>	<u>Species</u>	<u>Period</u>	<u>Result</u>
Dimethoxymethane	Pimephales promelas (LC50)	96 hour(s)	6990 mg/l

### Other ecological information

#### Persistence/degradability

<u>Ingredient name</u>	<u>Aquatic half-life</u>	<u>Photolysis</u>	<u>Biodegradability</u>
Dimethoxymethane	-	-	Inherent

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

**Other adverse effects**

## 13. Disposal considerations



**Methods of disposal** : The generation of waste should be avoided or minimised wherever possible. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

**Waste classification** : 200113

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

## 14. Transport information

### International transport regulations

<u>Regulatory information</u>	<u>UN number</u>	<u>Proper shipping name</u>	<u>Class</u>	<u>Packing group</u>	<u>Label</u>	<u>Additional Information</u>
<u>ADR/RID Class</u>	1993	UN 1993, "dangerous goods in limited quantities of class 3", II, ADR (Naphtha (petroleum), hydrotreated light)	3	II		<u>Hazard identification number</u> 33  <u>Reportable quantity</u> 12  <u>Remarks</u> Dangerous goods in limited quantities
<u>ADN Class</u>	1993	UN 1950, "dangerous goods in limited quantities of class 3", II, ADN (Naphtha (petroleum), hydrotreated light)	3	II		<u>RQ (Reportable quantity) ADN</u> 12  <u>Remarks</u> Dangerous goods in limited quantities

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<b>IMDG Class</b>	1993	"dangerous goods in limited quantities of class 3" UN 1993, PG II (Naphtha (petroleum), hydrotreated light). Marine pollutant	3	II		<b>Emergency schedules (EmS)</b> F-E, S-E  <b>Marine pollutant</b> Marine pollutant (P)  <b>Reportable quantity</b> 12  <b>Remarks</b> Dangerous goods in limited quantities
<b>IATA-DGR Class</b>	1993	"dangerous goods in limited quantities of class 3" UN 1993, PG II (Naphtha (petroleum), hydrotreated light)	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.
- : S29/56- Do not empty into drains, dispose of this material and its container to hazardous or special waste collection point.
- : S39- Wear eye/face protection.
- : S46- If swallowed, seek medical advice immediately and show this container or label.

**Other EU regulations**

: Not available.

**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

**Ingredients identification information**

: 30% and more: aliphatic hydrocarbons.

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#### 16. Other information

**Full text of R phrases referred to in sections 2 and 3 - United Kingdom (UK)** : R11- Highly flammable.  
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 - United Kingdom (UK)** : F - Highly flammable  
Xn - Harmful  
Xi - Irritant  
N - Dangerous for the environment.

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**Verified by T. Rutgers.**

#### Notice to reader

*To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.*

*Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.*

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