

# SAFETY DATA SHEET

## Grease away

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

**Identification of the substance or preparation**

**Product name** : Grease away  
**Product use** : Removes cooking fat, grease and oils excellently

**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** : United Kingdom (UK)

### 2. Composition/information on ingredients

**Substance/preparation** : Preparation

Ingredient name	CAS number	EC Number	%	Classification
<b>United Kingdom (UK)</b> 1-Methoxy-2-propanol Fatalcohoethoxylate	107-98-2 69011-36-5	203-539-1 polymer	5 - 15 1 - 5	10 Xn; 22 Xi; 41

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 not classified as dangerous according to Directive 1999/45/EC and its amendments.

**Classification** : Not classified.

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 with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Obtain medical attention.

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- Eye contact** : In case of contact, immediately flush eyes with a copious amount of water for at least 15 minutes. Get medical attention if irritation occurs.
- 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** : Use an extinguishing agent suitable for surrounding fires.
- Special exposure hazards** : No specific hazard.  
Not available.
- Hazardous thermal decomposition products** : These products are carbon oxides (CO, CO<sub>2</sub>).
- 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. Keep unnecessary personnel away. Use suitable protective equipment (Section 8).
- 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) scoop up material and place in a sealed, liquid-proof 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.

#### 7. Handling and storage

- Handling** : Wash thoroughly after handling.
- Storage** : Keep container tightly closed. Keep container in a cool, well-ventilated area.
- Packaging materials**
- Recommended** : Use original container.
- Specific uses** : Not available.

#### 8. Exposure controls/personal protection

<u>Ingredient name</u>	<u>Occupational exposure limits</u>
<u>United Kingdom (UK)</u> 1-Methoxy-2-propanol	<b>EH40-WEL (United Kingdom (UK), 1/2005). Skin</b> STEL: 560 mg/m <sup>3</sup> 15 minute(s). Form: All forms STEL: 150 ppm 15 minute(s). Form: All forms TWA: 375 mg/m <sup>3</sup> 8 hour(s). Form: All forms TWA: 100 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.

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<b>Respiratory protection</b>	: A respirator is not needed under normal and intended conditions of product use.
<b>Hand protection</b>	: Butyl rubber gloves. Permeation time $\geq$ 8 hours: (5 mm)
<b>Eye protection</b>	: safety glasses with side shields
<b>Skin protection</b>	: Work uniform or laboratory coat.

## 9. Physical and chemical properties

### General information

#### Appearance

<b>Physical state</b>	: Liquid.
<b>Colour</b>	: Clear Yellow. (Light.)
<b>Odour</b>	: Lemon-like.

### Important health, safety and environmental information

<b>pH</b>	: 12.1 (Conc. (% w/w): 100) [Basic.]
<b>Melting point</b>	: May start to solidify at 0°C (32°F) based on data for: Water. Weighted average: -8°C (17.6°F)
<b>Boiling point</b>	: The lowest known value is 100°C (212°F) (Water). Weighted average: 101.63°C (214.9°F)
<b>Flash point</b>	: Closed cup: Higher than 93.3°C (200°F).
<b>Explosive properties</b>	: Not available.
<b>Oxidising properties</b>	: Not available.
<b>Relative density</b>	: 1.002 g/cm <sup>3</sup> (20°C / 68°F)
<b>Solubility</b>	: Easily soluble in hot water. Soluble in cold water. Insoluble in methanol, diethyl ether, n-octanol, acetone.
<b>Viscosity</b>	: Dynamic: The highest known value is 157 cP (Fatalcholethoxylate) Weighted average: 28.15 cP
<b>Evaporation rate (butyl acetate = 1)</b>	: 0.814 (1-Methoxy-2-propanol) compared to Butyl acetate.

### Other information

<b>Auto-ignition temperature</b>	: The lowest known value is 270°C (518°F) (1-Methoxy-2-propanol).
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## 10. Stability and reactivity

<b>Stability</b>	: The product is stable.
<b>Conditions to Avoid</b>	: Stable under recommended storage and handling conditions (see section 7).
<b>Materials to avoid</b>	: Reactive with acids.
<b>Hazardous Decomposition Products</b>	: These products are carbon oxides (CO, CO <sub>2</sub> ).

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#### 11. Toxicological information

##### Potential acute health effects

- Inhalation** : No known significant effects or critical hazards.
- Ingestion** : No known significant effects or critical hazards.
- Skin Contact** : No known significant effects or critical hazards.
- Eye contact** : No known significant effects or critical hazards.

##### Acute toxicity

<u>Ingredient name</u>	<u>Test</u>	<u>Result</u>	<u>Route</u>	<u>Species</u>
1-Methoxy-2-propanol	LD50	5700 mg/kg	Oral	Rabbit
	LD50	11700 mg/kg	Oral	Mouse
	LD50	13500 mg/kg	Dermal	Rabbit
	LDLo	3739 mg/kg	Oral	Rat
	LC50	7000 (6 hour(s))	Inhalation	Rat
	LC50	10000 (5 hour(s))	Inhalation	Rat
Fatalcoholethoxylate	LD50	200 to 2000 mg/kg	Oral	Rat

**Carcinogenicity** : No known significant effects or critical hazards.

**Mutagenicity** : No known significant effects or critical hazards.

**Reproductive toxicity** : No known significant effects or critical hazards.

##### Over-exposure signs/symptoms

**Inhalation** : No known significant effects or critical hazards.

**Ingestion** : No known significant effects or critical hazards.

**Skin** : No known significant effects or critical hazards.

**Target organs** : Contains material which causes damage to the following organs: 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>
1-Methoxy-2-propanol	Bacteria (EC50)	48 hour(s)	>1000 mg/l
	Fish (LC50)	96 hour(s)	>1000 mg/l
Fatalcoholethoxylate	Flora. (EC50)	72 hour(s)	1 to 10 mg/l
	LEUCISCUS IDUS (LC50)	96 hour(s)	1 to 10 mg/l
	Aquatic Invertebrates. (LC50)	48 hour(s)	1 to 10 mg/l

##### Other ecological information

##### Persistence/degradability

<u>Ingredient name</u>	<u>Aquatic half-life</u>	<u>Photolysis</u>	<u>Biodegradability</u>
1-Methoxy-2-propanol	-	-	Readily

##### Bioaccumulative potential

<u>Ingredient name</u>	<u>LogP<sub>ow</sub></u>	<u>BCF</u>	<u>Potential</u>
1-Methoxy-2-propanol	<1	-	low

No known significant effects or critical hazards.

##### Other adverse effects

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#### 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** : Not applicable.  
: Not available.
- Hazardous waste** : To present knowledge of the supplier, this product is not regarded as hazardous waste as defined by EU Directive 91/689/EC.

#### 14. Transport information

##### International transport regulations

Regulatory information	UN number	Proper shipping name	Class	Packing group	Label	Additional Information
ADR/RID Class	Not regulated.	-	-	-		-
ADN Class	Not regulated.	-	-	-		-
IMDG Class	Not regulated.	-	-	-		-
IATA-DGR Class	Not regulated.	-	-	-		-

#### 15. Regulatory information

##### EU Regulations

- Risk Phrases** : This product is not classified according to the EU regulations.
- Safety Phrases** : S2- Keep out of the reach of children.  
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.
- Additional warning phrases** : Safety data sheet available for professional user on request.
- EC Statistical classification (Tariff Code)** : 32089091
- Ingredients identification information** : less than 5%: non-ionic surfactants, NTA (nitrilotriacetic acid) and salts thereof, ;perfumes: Limonene.



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



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### 16. Other information

**Full text of R phrases referred to in sections 2 and 3 - United Kingdom (UK)** : R10- Flammable.  
R22- Harmful if swallowed.  
R41- Risk of serious damage to eyes.

**Full text of classifications referred to in sections 2 and 3 - United Kingdom (UK)** : Xn - Harmful  
Xi - Irritant

#### History

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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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