

www.Oil18.ru, t/faks(3412)902-313, 902313@inbox.ru

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

Product name	Hysol GS
SDS no.	454182
Historic SDS no.	UK-7044
Product use	Metalworking fluid - soluble.
Supplier	Castrol (U.K.) Limited Wakefield House Pipers Way Swindon Wiltshire, SN3 1RE United Kingdom
	Tel.: +44 (0)1793 512712 Fax.: +44 (0)1793 486083
EMERGENCY TELEPHONE NUMBER	Carechem: +44 (0) 208 762 8322

2. Composition/information on ingredients

Highly refined mineral oil, emulsifiers and additives.

Chemical name	CAS no.	%	EINECS / ELINCS.	Classification
Rape diethanolamide	68187-80-4	5 - 10	269-125-8	Xi; R38, R41
Amine neutralised carboxylic acids	67939-53-1	1 - 5	267-841-5	Xi; R36/38
N,N - methylene bismorpholine	5625-90-1	1 - 5	227-062-3	Xn; R22 C; R34 R52
Ethylene glycol; ethanediol	107-21-1	1 - 5	203-473-3	Xn; R22
polyethylene glycol monooleyl ether	9004-98-2	1 - 5	500-016-2	Xn; R22 Xi; R41
(z)-docos-13-enoic acid, compound with 2-aminoethanol (1:1)	84099-98-9	1 - 5	282-078-8	Xi; R36/38
3-Iodo-2-propynyl butylcarbamate	55406-53-6	0.1 - 1	259-627-5	Xn; R20/22 Xi; R41 N; R50

See section 16 for the full text of the R-phrases declared above

Occupational exposure limits, if available, are listed in section 8.

3. Hazards identification

This preparation is classified as dangerous according to Directive 1999/45/EC as amended and adapted.
Not classified as dangerous when diluted below 40%.

Physical/chemical hazards	Not classified as dangerous.
Human health hazards	Risk of serious damage to eyes.
Environmental hazards	Not classified as dangerous.
Effects and symptoms	
Eyes	Causes eye irritation.
Skin	Prolonged or repeated contact can defat the skin and lead to irritation and/or dermatitis.
Inhalation	Vapours and aerosol can produce mucous membrane, nose and throat irritation.
Ingestion	Ingestion may cause gastrointestinal irritation and diarrhoea.

Product name Hysol GS

Product code 454182-GB03

Page: 1/5

Version 3

Date of issue 24 February 2006

Format United Kingdom
(UK)

Language ENGLISH

Build 7.2.6

(United Kingdom)

(ENGLISH)

4. First-aid measures

Eye contact	In case of contact, immediately flush eyes with a copious amount of water for at least 15 minutes. Obtain medical attention immediately.
Skin contact	Wash contaminated skin with soap and water. Remove contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention if irritation develops.
Inhalation	If inhaled, remove to fresh air. 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. Wash out mouth with water if person is conscious. If large quantities of this material are swallowed, call a physician immediately.

5. Fire-fighting measures

Extinguishing media	
Suitable	In case of fire, use water fog, foam, dry chemical or carbon dioxide extinguisher or spray. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
Not suitable	Do not use water jet.
Hazardous decomposition products	These products are carbon oxides (CO, CO ₂), nitrogen oxides (NO, NO ₂ etc.). Some metallic oxides.
Unusual fire/explosion hazards	This material is not explosive as defined by established regulatory criteria.
Special fire-fighting procedures	None identified.
Protection of 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. Keep unnecessary personnel away. Use suitable protective equipment (See Section: "Exposure controls/personal protection"). Follow all fire fighting procedures (See Section: "Fire-fighting measures").
Environmental precautions and clean-up methods	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. Avoid contact of spilt material with soil and prevent runoff entering surface waterways. See Section 13 for Waste Disposal Information.
Personal protection in case of a large spill	Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

7. Handling and storage

Handling	Do not get in eyes. Avoid breathing vapour or mist. Avoid prolonged or repeated contact with skin. Avoid contact of spilled material and runoff with soil and surface waterways. Wash thoroughly after handling.
Storage	Keep container tightly closed. Keep container in a cool, well-ventilated area. Protect from freezing.

8. Exposure controls/personal protection

Ingredient name	Occupational exposure limits
Distillates (petroleum), hydrotreated, light naphthinic (Highly refined mineral oil)	EH40-OES (United Kingdom (UK)). STEL: 10 mg/m ³ 15 minute(s). Form: Oil mist, mineral TWA: 5 mg/m ³ 8 hour(s). Form: Oil mist, mineral
Ethylene glycol; ethanediol	EH40-WEL (United Kingdom (UK), 1/2005). Skin STEL: 104 mg/m ³ 15 minute(s). STEL: 40 ppm 15 minute(s). TWA: 52 mg/m ³ 8 hour(s). TWA: 20 ppm 8 hour(s).
Boric acid	ACGIH TLV (United States, 1/2005). STEL: 6 mg/m ³ 15 minute(s). TWA: 2 mg/m ³ 8 hour(s).

Where there are no regulatory exposure limits, for information and guidance, the ACGIH values are included. For further information on these please consult your supplier.

Whilst specific OELs for certain components are included in this SDS, it should be noted that other components of the preparation will be present in any mist, vapour or dust produced. For this reason, the specific OELs may not be applicable to the product and are provided for guidance purposes.

Product name Hysol GS	Product code 454182-GB03	Page: 2/5	
Version 3	Date of issue 24 February 2006	Format United Kingdom (UK)	Language ENGLISH
	Build 7.2.6	(United Kingdom)	(ENGLISH)

This product contains a preservative that may release trace amounts of formaldehyde during use.

Control Measures	Provide exhaust ventilation or other engineering controls to keep the relevant airborne concentrations below their respective occupational exposure limits. Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.
Hygiene measures	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.
Personal protective equipment	
Respiratory system	None required; however, use of adequate ventilation is good industrial practice.
Skin and body	Wear appropriate clothing to avoid prolonged skin contact.
Hands	Wear protective gloves if prolonged or repeated contact is likely. Chemical resistant gloves. Recommended: nitrile gloves The correct choice of protective gloves depends upon the chemicals being handled, the conditions of work and use, and the condition of the gloves (even the best chemically resistant glove will break down after repeated chemical exposures). Most gloves provide only a short time of protection before they must be discarded and replaced. Because specific work environments and material handling practices vary, safety procedures should be developed for each intended application. Gloves should therefore be chosen in consultation with the supplier/manufacturer and with a full assessment of the working conditions.
Eyes	Do not get in eyes. Chemical splash goggles.

9 . Physical and chemical properties

Flash point	>100 °C (Closed cup)
Pour point	<0 °C
Colour	Amber.
Odour	Mild
Physical state	Liquid.
Heat of combustion	Not available.
Boiling point / range	>100 °C
Density	<1000 kg/m ³ (<1 g/cm ³) at 20°C
Solubility	Emulsifies in water.
pH	9.3 (Basic.) at 3%

10 . Stability and reactivity

Conditions to avoid	High temperatures
Incompatibility with various substances	Reactive or incompatible with the following materials: oxidizing materials. Slightly reactive or incompatible with the following materials: acids.
Hazardous polymerisation	Will not occur.
Hazardous decomposition products	These products are carbon oxides (CO, CO ₂), nitrogen oxides (NO, NO ₂ etc.). Some metallic oxides.

11 . Toxicological information

Chronic toxicity	
Carcinogenic effects	No component of this product at levels greater than 0.1% is identified as a carcinogen by ACGIH, the International Agency for Research on Cancer (IARC) or the European Commission (EC).

12 . Ecological information

Persistence/degradability	Inherently biodegradable.
Mobility	Liquid. Emulsifies in water.
Environmental hazards	Not classified as dangerous.

Product name Hysol GS	Product code 454182-GB03	Page: 3/5	
Version 3	Date of issue 24 February 2006	Format United Kingdom	Language ENGLISH
		(UK)	
	Build 7.2.6	(United Kingdom)	(ENGLISH)

13 . Disposal considerations

Disposal Consideration / Waste information

Avoid contact of spilled material and runoff with soil and surface waterways. Consult an environmental professional to determine if local, regional or national regulations would classify spilled or contaminated materials as hazardous waste. Use only approved transporters, recyclers, treatment, storage or disposal facilities. Dispose of in accordance with all applicable local and national regulations.

Hazardous waste

This product is listed as Hazardous by the EU Directive on hazardous waste. Dispose of according to all national and local applicable regulations.

14 . Transport information

Not classified as hazardous for transport (ADR/RID, ADNR, IMDG, ICAO/IATA)

15 . Regulatory information

Label requirements

Hazard Symbol(s)



Irritant

Indication of danger

Risk phrases

R41- Risk of serious damage to eyes.

Safety phrases

S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37/39- Wear suitable protective clothing, gloves and eye/face protection.

EU regulations

Classification and labelling have been performed according to EU directives 1999/45/EC and 67/548/EEC as amended and adapted.

Other regulations

Inventories

AUSTRALIAN INVENTORY (AICS): Not determined.

CANADA INVENTORY (DSL): Not listed.

CHINA INVENTORY (IECS): Not determined.

EC INVENTORY (EINECS/ELINCS): In compliance.

JAPAN INVENTORY (ENCS): Not determined.

KOREA INVENTORY (ECL): Not determined.

PHILIPPINE INVENTORY (PICCS): Not listed.

US INVENTORY (TSCA): Not determined.

16 . Other information

Full text of R-phrases referred to in sections 2 and 3

R20/22- Harmful by inhalation and if swallowed.
R22- Harmful if swallowed.
R34- Causes burns.
R36/38- Irritating to eyes and skin.
R38- Irritating to skin.
R41- Risk of serious damage to eyes.
R50- Very toxic to aquatic organisms.
R52- Harmful to aquatic organisms.

History

Date of issue

24/02/2006.

Date of previous issue

08/02/2006.

Prepared by

Product Stewardship

Notice to reader

Revision Indicator: The presence of a triangle in the upper left corner of a field indicates a change since the previous version.

Product name Hysol GS

Product code 454182-GB03

Page: 4/5

Version 3

Date of issue 24 February 2006

Format United Kingdom
(UK)

Language ENGLISH

Build 7.2.6

(United Kingdom)

(ENGLISH)

All reasonably practicable steps have been taken to ensure this data sheet and the health, safety and environmental information contained in it is accurate as of the date specified below. No warranty or representation, express or implied is made as to the accuracy or completeness of the data and information in this data sheet.

The data and advice given apply when the product is sold for the stated application or applications. You should not use the product other than for the stated application or applications without seeking advice from us.

It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. The BP Group shall not be responsible for any damage or injury resulting from use, other than the stated product use of the material, from any failure to adhere to recommendations, or from any hazards inherent in the nature of the material. Purchasers of the product for supply to a third party for use at work, have a duty to take all necessary steps to ensure that any person handling or using the product is provided with the information in this sheet. Employers have a duty to tell employees and others who may be affected of any hazards described in this sheet and of any precautions that should be taken.

Product name Hysol GS	Product code 454182-GB03	Page: 5/5	
Version 3	Date of issue 24 February 2006	Format United Kingdom	Language ENGLISH
	Build 7.2.6	(UK)	(ENGLISH)
		(United Kingdom)	