



SAFETY DATA SHEET

Issuing Date: 12-17-2014

Revision Date: 12-18-2014

Version 1

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1.

Product identifier

Product Code(s): 14703000-M
Product Name GUM SOLVENT GSC
Product Registration number
Denmark -
Norway -
Sweden -
EC # Not Applicable
Pure substance/preparation Contains Hydrocarbons, C16-C20, n-alkanes, isoalkanes, cyclics, aromatics (2-30 %)

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended use Cleaning product

Uses advised against Any other purpose.

1.3. Details of the supplier of the safety data sheet

Manufacturer, Importer, Supplier

Houghton plc
Beacon Road
Trafford Park
Manchester
M17 1AF
Tel: +44 (0)161 874 5000
E-mail: MSDS@uk.houghtonglobal.com

Houghton S.A.S.
604 Bd Albert Camus,
BP 60041
69652 Villefranche sur saone
France
Tel: (0) 4 74 65 65 00
Fax: (0) 4 74 60 08 44

Houghton Iberica S.A.
Pol. Ind. Can Salvatella-TorreMateu
08210 Barbera del Valles
Barcelona
SPAIN
Tel: +(34 93) 718 85 00
Fax: +(34 93) 718 93 00
msds.es@houghtonintl.com

Houghton Deutschland GmbH
Giselherstr. 57. D-44319.
Dortmund
Deutschland
Tel: +49 (0) 231/9277-0.
Fax: +49 (0)231/9277-120
MSDS@houghtonintl.com

Ragione Sociale: Houghton Italia S.p.A.
Indirizzo: Via Postiglione, 30
10024 Moncalieri (TO)
ITALY
Telefono: (+39) 011 6475811.
Fax: (+39) 0116472778.
ITTN-MSDS@houghtonintl.com

Houghton Benelux
Meerpaal 12 A. NL - 4904.SK Oosterhout.
Telefoon: +31 162458400
Fax: +31 162 458205
Email: Marielle.Goossens@houghtonintl.com

Oel-Scheu Houghton Vertriebspartner GmbH
Hubstrasse 33
9500 Wil
Switzerland
Telefon: 071 911 47 47
Telefax: 071 911 18 37

Houghton Polska SP z.o.o
UlKapelanka 17
30-347 Krakow
Poland
+48 122665240
info@houghton.com.pl

HOUGHTON EUROPE N.V Sivuliike Suomessa
Lautamiehentie 3
02770 ESPOO
Puh. 00-8596 395
Fax. 09-8596 396
LY: 1957249-8
E-mail: info@houghton.fi

Houghton Danmark A/S
Energivej 3
DK-4180 Sorø
Danmark
Tel: +45 45 85 23 00
E-mail: houghton@houghton.dk

Mento AS
Kontinentalveien
Postboks 44
4098 Tananger
Norway
Tel: +47 51 64 86 00
www.Mento.no

Houghton Sverige AB
La Cours Gata 4
252 31 Helsingborg
Sverige
Tel: +46 42 29 55 10
E-mail: info.se@houghtonintl.com

Houghton CZ s.r.o.
Bartošova 3
602 00 Brno
Czech Republic
Phone: +420 542 213 332
office@houghton.cz

Houghton Romania
2A, Jiului Street
4th Floor / Room 2
013219 Bucharest
Phone: +40 21 667 06 15
Fax: +40 21 667 09 70

Houghton Ukraine Ltd
Ukraine, Kiev 04213
13, Prirechnaya St.
Phone: +38 (044) 360-10-24
Fax: +38 (044) 426-27-76

Houghton Kimya San. A.Ş
Kosuyolu Mah
Asma Dall Sok
No: 1434718 Kadıköy
İstanbul
Türkiye
Phone Number: +90 216 325 15 15

1.4. Emergency telephone number

3E Company: (+)1 760 476 3961 (Code 333938)

Austria	Notfall-Telefonnummer +43 (0) 1 406 4343
Bulgaria	Телефон за спешни случаи +359 2 9154 409
Switzerland	145; +41 (0) 44 254 51 51
Czech Republic	Telefonní číslo pro naléhavé situace +420 224 919 293
Denmark	Ring til Giftlinjen på +45 82 12 12 12
Finland	Hätäpuhelinnumero +358 09 471 977
France	Numéro d'appel d'urgence +33 (0)1 45 42 5959
Hungary	Díjmentesen hívható zöld szám +36 80 20 11 99
Ireland	Emergency telephone number +353 01 809 2166
Netherlands	Telefoonnummer voor +31 30 274 88 88
Norway	Nødnummer +47 22 59 13 00
Poland	112
Portugal	Número de telefone de emergência +351 808 250 143
Romania	Număr de telefon care poate fi apelat în caz de urgență +021 318 36 06 (08:00-15:00)
Spain	Número de teléfono de emergencia +34 91 562 0420
Sweden	Telefonnummer för nödsituationer +46 08 33 12 31 (09:00-17:00)
Turkey	(+)1 760 476 3959 (Code 333938)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Aspiration toxicity	Category 1 - (H304)
Serious eye damage/eye irritation	Category 2 - (H319)
Chronic aquatic toxicity	Category 4 - (H413)

2.2. Label Elements

Contains Hydrocarbons, C16-C20, n-alkanes, isoalkanes, cyclics, aromatics (2-30 %)



Signal Word
DANGER

Hazard Statements

H304 - May be fatal if swallowed and enters airways
 H319 - Causes serious eye irritation
 H413 - May cause long lasting harmful effects to aquatic life.
 EUH066 - Repeated exposure may cause skin dryness or cracking

Precautionary Statements - EU (§28, 1272/2008)

P280 - Wear protective gloves/protective clothing/eye protection/face protection
 P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
 P331 - Do NOT induce vomiting
 P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 P273 - Avoid release to the environment

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.1. Substances / 3.2. Mixtures

Substance

Chemical Name	EC-No	CAS-No	Weight %	Classification (Reg. 1272/2008)	REACH Registration Number
Hydrocarbons, C16-C20, n-alkanes, isoalkanes, cyclics, aromatics (2-30 %)	919-006-8	NOT AVAILABLE	50% - 100%	Asp. Tox. 1 (H304) Aquatic Chronic 4 (H413) (EUH066)	01-2119455996-19-xxx x
2-(2-Butoxyethoxy)ethanol	203-961-6	112-34-5	25% - 50%	Eye Irrit. 2 (H319)	01-2119475104-44-xxx x

Additional information

Product containing mineral oil with less than 3% DMSO extract as measured by IP 346

Full text of H- and EUH-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first-aid measures

General advice

Do not get in eyes, on skin, or on clothing. When symptoms persist or in all cases of doubt seek medical advice.

Inhalation

Move to fresh air. Potential for aspiration if swallowed. Get medical attention immediately if symptoms occur.

Skin contact	Wash off immediately with plenty of water for at least 15 minutes. Remove and wash contaminated clothing before re-use. If symptoms persist, call a physician.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.
Ingestion	Clean mouth with water and afterwards drink plenty of water. Aspiration hazard if swallowed - can enter lungs and cause damage. Do not induce vomiting without medical advice. If symptoms persist, call a physician.
Protection of First-aiders	Use personal protective equipment. Avoid contact with skin, eyes and clothing. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation.

4.2. Most important symptoms and effects, both acute and delayed

Main Symptoms	Eye damage/irritation, May be fatal if swallowed and enters airways, Redness, Rash, Itching
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4.3. Indication of immediate medical attention and special treatment needed

Notes to physician	Treat symptomatically.
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SECTION 5: FIRE FIGHTING MEASURES

5.1. Extinguishing media

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment: Use CO2, dry chemical, or foam, Water spray or fog, Cool containers / tanks with water spray

Extinguishing media which shall not be used for safety reasons

Do not use a solid water stream as it may scatter and spread fire.

5.2. Special hazards arising from the substance or mixture

Special Hazard

Water runoff can cause environmental damage. Thermal decomposition can lead to release of irritating gases and vapors. Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke). In the event of fire and/or explosion do not breathe fumes.

Hazardous Decomposition Products

Incomplete combustion and thermolysis produces potentially toxic gases such as carbon monoxide and carbon dioxide

5.3. Advice for firefighters

Special protective equipment for fire-fighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Use personal protective equipment. Avoid contact with skin, eyes and clothing.

Advice for non-emergency personnel	Material can create slippery conditions.
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Advice for emergency responders	For personal protection see section 8.
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6.2. Environmental precautions

Hydrocarbons, C16-C20, n-alkanes, isoalkanes, cyclics, aromatics (2-30 %)				STEL: 10 mg/m ³ TWA: 5 mg/m ³ (Mist)
2-(2-Butoxyethoxy)ethanol	STEL 15 ppm STEL 101.2 mg/m ³ MAK: 10 ppm MAK: 67.5 mg/m ³	STEL: 15 ppm STEL: 101.2 mg/m ³ MAK: 10 ppm MAK: 67 mg/m ³	NDSCh: 100 mg/m ³ NDS: 67 mg/m ³	TWA: 10 ppm TWA: 67.5 mg/m ³ STEL: 15 ppm STEL: 101.2 mg/m ³

Chemical Name	Finland	Denmark	Norway	Sweden
Hydrocarbons, C16-C20, n-alkanes, isoalkanes, cyclics, aromatics (2-30 %)	TWA: 5mg/m ³ (Öljysumu)	TWA: 1 mg/m ³ (Olietåge)	TWA: 1 mg/m ³ (Oljetåke)	LLV: 1 mg/m ³ STV: 3 mg/m ³ (Oljedimma)
2-(2-Butoxyethoxy)ethanol	TWA: 10 ppm TWA: 68 mg/m ³	TWA: 10 ppm TWA: 68 mg/m ³	TWA: 10 ppm TWA: 68 mg/m ³ STEL: 20 ppm STEL: 102 mg/m ³	LLV: 15 ppm LLV: 100 mg/m ³ STV: 30 ppm STV: 200 mg/m ³

Chemical Name	Czech Republic	Hungary	Bulgaria	Romania
2-(2-Butoxyethoxy)ethanol	Ceiling: 100 mg/m ³ TWA: 100 mg/m ³	STEL: 101.2 mg/m ³ TWA: 67.5 mg/m ³		TWA: 150 mg/m ³ STEL: 250 mg/m ³

Workers Systemic toxicity

Chemical Name	Long term - Oral exposure	Long term - Dermal exposure	Long term - Inhalation exposure	Short term - Oral Exposure	Short term - Dermal exposure	Short term - Inhalation exposure
2-(2-Butoxyethoxy)ethanol		20 mg/kg	67.5 mg/m ³			

Workers Local effects

Chemical Name	Long term - Oral exposure	Long term - Dermal exposure	Long term - Inhalation exposure	Short term - Oral Exposure	Short term - Dermal exposure	Short term - Inhalation exposure
2-(2-Butoxyethoxy)ethanol			67.5 mg/m ³			

Consumers Systemic toxicity

Chemical Name	Long term - Oral exposure	Long term - Dermal exposure	Long term - Inhalation exposure	Short term - Oral Exposure	Short term - Dermal exposure	Short term - Inhalation exposure
2-(2-Butoxyethoxy)ethanol		10 mg/kg	34 mg/m ³			

Consumers Local effects

Chemical Name	Long term - Oral exposure	Long term - Dermal exposure	Long term - Inhalation exposure	Short term - Oral Exposure	Short term - Dermal exposure	Short term - Inhalation exposure
2-(2-Butoxyethoxy)ethanol						50.6 mg/m ³

Predicted No Effect Concentration (PNEC)

Chemical Name	Fresh water	Sea water	Fresh water sediment	Sea sediment	Soil
2-(2-Butoxyethoxy)ethanol	1 mg/L	0.1 mg/L	4 mg/kg	0.4 mg/kg	0.4 mg/kg

8.2. Exposure controls**Engineering Measures**

Ensure adequate ventilation, especially in confined areas. Showers. Eyewash stations. Ventilation systems.

Personal protective equipment**Eye Protection**

Safety glasses with side-shields.

Hand Protection

Protective gloves. Please observe the instructions regarding permeability and breakthrough

Skin and body protection Respiratory protection	time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion. Barrier creams may help to protect the exposed areas of skin, they should however not be applied once exposure has occurred. Long sleeved clothing. Apron. Impervious gloves. No special protective equipment required. In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.
Hygiene measures	Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Do not eat, drink or smoke when using this product. Handle in accordance with good industrial hygiene and safety practice. Regular cleaning of equipment, work area and clothing is recommended.
Environmental Exposure Controls Thermal hazards	Do not allow material to contaminate ground water system. None under normal use conditions

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state @20°C	liquid	Appearance	No information available
Odor	No information available	Odor Threshold	Not Applicable
<u>Property</u>	<u>Values</u>	<u>Note</u>	
pH	No information available		
Melting Point / Freezing Point	No information available.		
Boiling point/boiling range	No information available.		
Flash point	> 100 °C / > 212 °F	ASTM D 93	
Evaporation rate	No information available		
Flammability (solid, gas)	No information available		
Flammability Limits in Air			
upper flammability limit	No information available.		
Lower flammability limit	No information available.		
Vapor pressure	No information available.		
Vapor density	No information available.		
Relative density	0.8730	@ 15.5°C	
Solubility(ies)	Water solubility: emulsifiable		
Partition coefficient: n-octanol/water	Not Applicable		
Autoignition temperature	No information available		
Decomposition temperature	No information available		
Viscosity, kinematic	= 4.283 cSt @ 40 °C	ASTM D 445	
Explosive properties	Not Applicable		
Oxidizing Properties	Not Applicable		

9.2 Other information

Viscosity, kinematic (100°C)	No information available
Pour point	No information available
VOC Content	38

SECTION 10: Stability and reactivity

10.1. Reactivity

None under normal use conditions.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

None under normal use conditions

10.4. Conditions to avoid

Keep away from open flames, hot surfaces and sources of ignition

10.5. Incompatible Materials

Strong oxidizing agents, Strong acids, Strong bases

10.6. Hazardous decomposition products

Incomplete combustion and thermolysis produces potentially toxic gases such as carbon monoxide and carbon dioxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Product Information - Principle Routes of Exposure**

Inhalation	Risk of serious damage to the lungs (by aspiration)
Eye contact	Irritating to eyes
Skin contact	Repeated exposure may cause skin dryness or cracking
Ingestion	Risk of product entering the lungs on vomiting after ingestion

Acute toxicity - Product Information

May be harmful if swallowed and enters airways.

Acute toxicity - Component Information

Chemical Name	LD50 Oral (Rat)	LD50 Dermal (Rat/Rabbit)	LC50 Inhalation
Hydrocarbons, C16-C20, n-alkanes, isoalkanes, cyclics, aromatics (2-30 %)	>4150 mg/kg (Rat)		
2-(2-Butoxyethoxy)ethanol	3384 mg/kg (Rat)	= 2700 mg/kg (Rabbit)	

Skin corrosion/irritation	None known.
Serious eye damage/eye irritation	Irritating to eyes.
Sensitization	
Respiratory Sensitization	None known.
Skin sensitization	None known.
Germ Cell Mutagenicity	None known.
Carcinogenicity	None known.
Reproductive toxicity	None known.
Specific target organ systemic toxicity (single exposure)	None known

Specific target organ systemic toxicity (repeated exposure)	None known.
Aspiration hazard	None known.
Symptoms	Prolonged skin contact may defat the skin and produce dermatitis.

SECTION 12: Ecological information

12.1. Toxicity

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

Aquatic toxicity H413 - May cause long lasting harmful effects to aquatic life.

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to microorganisms	Toxicity to daphnia and other aquatic invertebrates
Hydrocarbons, C16-C20, n-alkanes, isoalkanes, cyclics, aromatics (2-30 %)	1000: 72 h Selenastrum capricornutum mg/L EC50	>1000: 96 h Oncorhynchus mykiss mg/L LC50		>1000: 48 h Daphnia magna mg/L EC50
2-(2-Butoxyethoxy)ethanol	100: 96 h Desmodesmus subspicatus mg/L EC50	1300: 96 h Lepomis macrochirus mg/L LC50 static		2850: 24 h Daphnia magna mg/L EC50 100: 48 h Daphnia magna mg/L EC50

12.2. Persistence and degradability

The product is not readily biodegradable, but it can be degraded by micro-organisms, it is regarded as being inherently biodegradable.

12.3. Bioaccumulative potential

12.4. Mobility in soil

No information available

12.5. Results of PBT and vPvB assessment

This preparation contains no substance considered to be persistent, bioaccumulating nor toxic (PBT). This preparation contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

12.6. Other adverse effects

None known

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from Residues / Unused Products	Dispose of as hazardous waste in compliance with local and national regulations
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal. Observe all label precautions until container is cleaned, reconditioned or destroyed.
Other Data	According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.

SECTION 14: Transport information

14.1. UN-Number

Not regulated

14.2. UN proper shipping name

Not regulated

14.3. Transport hazard class

Not regulated

14.4. Packing group

Not regulated

14.5. Environmental Hazards

None.

14.6. Special precautions for users

None.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

IMDG/IMO Not regulated**ADR/RID** Not regulated**ICAO/IATA** Not regulated

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

The Classification, Labeling and Packaging of Substances and Mixtures (CLP) Regulation (EC 1272/2008)
 Registration, Evaluation, Authorization, and Restriction of Chemicals (REACH) Regulation (EC 1907/2006)

Statutory Instruments: Control of Substances Hazardous to Health Regulations 2002. Chemicals (Hazard Information and Packaging) Regulations 2009.

Acts of Parliament: The Health and Safety at Work etc. Act 1974. Environment Protection Act 1990.

Regulation on classification, labeling, of hazardous chemicals (2002 changing 2005). Appendix VI to Regulation on classification, labeling etc. of hazardous chemicals (2002 changing 2010), list of hazardous substances (as amended). Guidelines for submission and declaration of hazardous waste (2009). Transport of dangerous goods: ADR, RID, IMDG and IATA. Administrative norms for pollution of the atmosphere, 2009.

Workplace exposure limits (EH40)

WGK Classification

Low hazard to water/Class 1

15.2. Chemical Safety Assessment

No information available.

SECTION 16: Other information**Key or legend to abbreviations and acronyms used in the safety data sheet**

Repr.-Reproduction toxicity
 Asp. Tox. - Aspiration Toxicity
 Acute Tox. - Acute Toxicity
 Aquatic Acute - Acute Aquatic Toxicity
 Aquatic Chronic - Chronic Aquatic Toxicity
 Eye Dam. - Eye Damage
 Eye Irrit. - Eye Irritation
 Skin Corr. - Skin Corrosion
 Skin Irrit. - Skin Irritation
 Skin Sens. - Skin Sensitizer
 Resp. Sens. - Respiratory Sensitizer
 STOT SE - Specific target organ systemic toxicity (Single exposure)
 STOT RE - Specific target organ systemic toxicity (repeated exposure)
 VOC - Volatile organic compounds

Full text of H-Statements referred to under sections 2 and 3

<ul style="list-style-type: none"> • H224 - Extremely flammable liquid and vapor • H225 - Highly flammable liquid and vapor • H226 - Flammable liquid and vapor • H270 - May cause or intensify fire; oxidizer • H271 - May cause fire or explosion; strong oxidizer • H272 - May intensify fire; oxidizer • H290 - May be corrosive to metals • H300 - Fatal if swallowed • H301 - Toxic if swallowed • H302 - Harmful if swallowed • H304 - May be fatal if swallowed and enters airways • H310 - Fatal in contact with skin • H311 - Toxic in contact with skin • H312 - Harmful in contact with skin • H314 - Causes severe skin burns and eye damage • H315 - Causes skin irritation • H317 - May cause an allergic skin reaction • H318 - Causes serious eye damage • H319 - Causes serious eye irritation • H330 - Fatal if inhaled • H331 - Toxic if inhaled • H332 - Harmful if inhaled • H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled • H335 - May cause respiratory irritation • H336 - May cause drowsiness or dizziness • H340 - May cause genetic defects 	<ul style="list-style-type: none"> • H341 - Suspected of causing genetic defects • H350 - May cause cancer • H351 - Suspected of causing cancer • H360 - May damage fertility or the unborn child • H361 - Suspected of damaging fertility or the unborn child • H362 - May cause harm to breast-fed children • H370 - Causes damage to organs • H371 - May cause damage to organs • H372 - Causes damage to organs through prolonged or repeated exposure • H373 - May cause damage to organs through prolonged or repeated exposure • H400 - Very toxic to aquatic life • H410 - Very toxic to aquatic life with long lasting effects • H411 - Toxic to aquatic life with long lasting effects • H412 - Harmful to aquatic life with long lasting effects • H413 - May cause long lasting harmful effects to aquatic life. • H360Df - May damage the unborn child. Suspected of damaging fertility • H360D - May damage the unborn child • H360FD - May damage fertility. May damage the unborn child • H360F - May damage fertility • H361d - Suspected of damaging the unborn child • H361fd - Suspected of damaging fertility. Suspected of damaging the unborn child • H361f - Suspected of damaging fertility • EUH066 - Repeated exposure may cause skin dryness or cracking • EUH210 - Safety data sheet available on request. • EUH208 - May produce an allergic reaction
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Exposure scenario

No information available.

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Revision Note**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage,

transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.