

SAFETY DATA SHEET – GIBBS BRAND PENETRATING LUBRICANT (AEROSOL)

SECTION 1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING	
1.1 Product identifier	GIBBS BRAND PENETRATING LUBRICANT AEROSOL
1.2 Relevant identified uses of the substance or mixture and uses advised against	Intended use: penetrating fluid/ lubricant
1.3 Details of the supplier of the SDS	Gibbs Brand Europe D & C (UK) Ltd Little Hobbyvines Great Dunmow Essex CM6 3BP UK SDS compiler: info@gibbsbrandeurope.com
1.4 Emergency telephone number:	+44 (0)1279 816049 (Monday – Friday 9.00 – 17.00 hrs)
SDS Issue 1:	29/02/2012

SECTION 2 HAZARDS IDENTIFICATION	
2.1 Classification of the substance or mixture	F;R11 (Highly Flammable) R67 (Vapours may cause drowsiness and dizziness) R51/53 (Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment)
2.2 Label elements	<div style="display: flex; justify-content: space-around; align-items: center;"><div style="text-align: center;"><p>EXTREMELY FLAMMABLE</p></div><div style="text-align: center;"><p>DANGEROUS FOR THE ENVIRONMENT</p></div></div> <p>Vapours may cause drowsiness and dizziness Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment</p> <p>Keep out of the reach of children. Keep away from sources of ignition - No smoking.. Use only in well-ventilated areas. Do not breathe vapour/spray. If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label. Avoid release to the environment. Refer to special instructions/safety data sheets. Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.</p> <p>Contains Heptane and Petroleum Distillates</p>
2.3 Other hazards	Pressurised aerosol. The product can enter lungs during swallowing or vomiting and can cause lung inflammation and damage

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

3.2 Mixtures

Hazardous Ingredients:

See section 16 for full text of classification phrases

Chemical Name	CAS No.	DSD classification	CLP Classification	concn. (%)
Petroleum distillates	64742-47-8	Xn;R65	Asp Tox 1; H304	40-60
n-Heptane	142-82-5	F; R11 Xn; R65 Xi; R38 R67 N; R50-53	Flam Liq 2; H225 Asp Tox 1; H304 Skin Irrit 2; H315 STOT SE3; H336 Aq Acute 1; H400 Aq Chron 1; H410	10-19
Isopropanol	67-63-0	F; R11 Xi; R36 R67	Flam Liq 2; H225 Eye Irrit 2; H319 STOT SE3; H336	10-15

Exposure limit values exist for the following constituent(s):

Petroleum distillates, n-Heptane, 2-propanol, Carbon dioxide – see section 8

SECTION 4 FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation: Remove from exposure. If ill-effects occur, remove to fresh air and seek medical attention

Skin contact: Wash with soap and water.

Eye contact: Make sure to remove any contact lenses before rinsing; flush eyes with plenty of water while holding eyelids open. Seek medical attention

Ingestion: Do not induce vomiting. Wash out mouth with water. Seek medical attention.

4.2 Most important symptoms and effects, both acute and delayed

If material enters lungs, aspiration toxicity includes severe acute effects such as chemical pneumonia, varying degrees of pulmonary injury or death following aspiration.

4.3 Indication of immediate medical attention and special treatment needed, if necessary

Ingestion: Do not induce vomiting; seek medical attention**SECTION 5 FIREFIGHTING MEASURES**

5.1 Extinguishing media

Foam, carbon dioxide or dry agent. Do not use water jet.

5.2 Specific hazards arising from the substance or mixture

May be ignited by heat, sparks, open flames or any other source of ignition. Vapours may travel to a source of ignition where they can ignite.

Contents under pressure.

5.3 Advice for firefighters

Product is flammable. Containers can burst violently when heated, due to excess pressure build-up.– keep containers cool by spraying with water

SECTION 6 ACCIDENTAL RELEASE MEASURES	
6.1 Personal precautions, protective equipment and emergency procedures	Wear oil resistant gloves (see section 8) when cleaning up. Do not smoke, use naked flames or other sources of ignition. Avoid inhalation of vapours and contact with skin and eyes.
6.2 Environmental precautions	Prevent entry into drains and water courses
6.3 Methods and material for containment and cleaning up	Soak up with inert absorbent; dispose of as a hazardous waste
6.4 Reference to other sections	Personal protective equipment: See section 8

SECTION 7 HANDLING AND STORAGE	
7.1 Precautions for safe handling	Do not use near fire, sparks or flames. Do not puncture or incinerate.. Avoid skin and eye contact. During application and drying, solvent vapours will be emitted. Do not use in confined spaces without adequate ventilation and/or respirator. Observe workplace exposure limits and minimise the risk of inhalation of vapours and mist.
7.2 Conditions for safe storage, including any incompatibilities	Aerosol cans: Do not store in direct sunlight or expose to high temperatures as container may vent, rupture or burst. Keep away from heat, sparks and open flame. Store in a cool and well-ventilated place. Keep away from children
7.3 Specific end use(s)	Only intended for use as penetrating fluid/ lubricant

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION	
8.1 Control parameters	Workplace Exposure Limits: Petroleum distillates LTEL (8hr. TWA) 1200 mg.m ⁻³ n-Heptane LTEL (8hr. TWA) 500 ppm 2-propanol LTEL (8 hr. TWA) 400 ppm STEL (15 min.) 500 ppm Carbon dioxide LTEL (8 hr. TWA) 5000 ppm STEL (15 min.) 15000 ppm
8.2 Exposure controls	Wear overalls or apron and oil-resistant gloves (nitrile, PVC, CR). Remove working clothes after work. Do not breathe gas/vapour/spray. With correct and proper use, and under normal conditions, breathing protection is not required. Avoid release of this product to the environment and clear up any spillage promptly.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES	
9.1 Information on basic physical and chemical properties (does not constitute a specification)	
Physical State	liquid
Appearance	red
Odour	solvent
Odour threshold	no data available
pH	neutral
Melting Point/Freezing point (°C)	<0
Initial boiling point/boiling range (°C)	>40
Flash Point (°C)(closed cup)	-9 (estimate)
Flammability – autoignition temp. (°C)	No data available
Evaporation rate (BuAc = 1)	>1
Flammability (Aerosol flame projection method)	Extremely Flammable
Upper/lower flammability limits	No data available
Vapour pressure (mbar @ 20°C)	No data available
Vapour density	No data available
Relative Density (@15.5°C)	0.77 - 0.81
Solubility in water	insoluble
Solubility in fat / solvent	miscible
Partition coefficient (log Pow)	No data available
Autoignition temperature	No data available
Decomposition temperature	No data available
Viscosity (mPa.s @ 40°C)	10 - 40
Explosive properties	No data available
Oxidising properties	none
9.2 Other information	None

SECTION 10 STABILITY AND REACTIVITY	
10.1 Reactivity	No dangerous reactions known
10.2 Chemical stability	Stable under normal conditions
10.3 Possibility of hazardous reactions	None known
10.4 Conditions to avoid	Avoid high temperatures
10.5 Incompatible materials	Strong acids and alkalis, oxidising agents
10.6 Hazardous decomposition products	None known

SECTION 11 TOXICOLOGICAL INFORMATION	
11.1 Information on toxicological effects	
Acute Toxicity	
-oral	No toxic components present.
-inhalation	Increased vapour concentration by prolonged exposure may cause headache and dizziness
-dermal	Unlikely to cause harm on brief or occasional contact
Corrosivity/Irritation	
-eye	Minor components present that are classified as irritants
-skin	Minor components present that are classified as irritants; Repeated exposure may cause skin dryness or cracking
-respiratory tract	Aspiration hazard - may be fatal if swallowed and enters airways
Sensitisation	
-skin	No evidence of sensitisation effects
-respiratory	No evidence of sensitisation effects
Repeated-dose toxicity	No data available on effects of repeated skin contact
Mutagenicity	No evidence of mutagenicity
Carcinogenicity	No evidence of carcinogenicity
Reproductive toxicity	No evidence of reproductive toxicity

SECTION 12 ECOLOGICAL INFORMATION	
12.1 Toxicity	Classified as dangerous for the environment.
12.2 Persistence and degradability	Not readily biodegradable
12.3 Bioaccumulative potential	No data available
12.4 Mobility in soil	Insoluble in water
12.5 Results of PBT and vPvB assessment	No PBT or vPvB chemicals present
12.6 Other adverse effects	None known

SECTION 13 DISPOSAL CONSIDERATIONS	
13.1 Waste treatment methods	
Waste residue:	Residual material and aerosol can are classified as a hazardous waste Disposal should be to an authorised waste disposal site in accordance with the Hazardous Waste Regulations
Packaging:	Dispose of through authorised waste contractor

SECTION 14 TRANSPORT INFORMATION	
Classified as dangerous goods for carriage under ADR/RID/ADN/IMDG/ICAO/IATA regulations	
14.1 UN Number	UN 1950
14.2 UN Proper shipping name	Aerosols
14.3 Transport hazard class(es)	2
14.4 Packing group	None assigned
14.5 Environmental hazards	Environmentally Hazardous / Marine Pollutant
14.6 Special precautions for user	See section 8 for safe handling
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable to packaged goods
May be carried under the Limited Quantities provision of ADR (CDG)	

SECTION 15 REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture	Supply regulations: Classified as hazardous under CHIP4: Chemicals (Hazard Classification and Packaging for Supply) Regulations 2009 Aerosol regulations: Classified as Extremely Flammable under Directive 75/324/EEC Transport regulations: Classified as Dangerous Goods for Carriage under ADR/RID/IMDG/ICAO/IATA
15.2 Chemical Safety Assessment	No formal chemical safety assessment has been carried out

SECTION 16 OTHER INFORMATION

Full text of classification data in sections 2 and 3

DSD classifications

F; R11	Highly Flammable
Xn; R65	Harmful: may cause lung damage if swallowed
R67	Vapours may cause drowsiness and dizziness
Xi; R38	Irritating to skin
Xi; R36	Irritating to eyes
N; R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N;R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

CLP Classifications

Flam Liq 2; H225	Highly flammable liquid and vapour
Asp. Tox. Cat.1; H304	Aspiration toxicity category 1; May be fatal if swallowed and enters airways
Skin Irrit 2; H315	Causes skin irritation
Eye Irrit 2; H319	Causes serious eye irritation
STOT SE3; H336	May cause drowsiness or dizziness
Aq Acute 1; H400	Very toxic to aquatic life
Aq Chron 1; H410	Very toxic to aquatic life with long lasting effects

This product safety data sheet provides health and safety information. The product is to be used in applications consistent with our product literature. Individuals handling this product should be informed of the recommended safety precautions and should have access to this information. For any other uses, exposures should be evaluated so that appropriate handling practices and training programs can be established to ensure safe workplace operations

This safety data sheet has been prepared to conform with the REACH Regulations as amended