

SAFETY DATA SHEET FLOW GEL 2

MSDS No .FG/N2 Date of Issue: 30/01/2015

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1. IDENTIFICATION OF THE SUBSTANCES/PREPARATION AND THE COMPANY

1.1 Product Name: FLOW GEL 2

1.2 RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

PRODUCT USE CHAIN LUBRICANT IN FOOD, PHARMACEUTICAL AND OTHER INDUSTRIES

1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

SUPPLIER SLIPSTREAM
72A PARKER ROAD
HASTINGS
EAST SUSSEX
TN34 3TT

Email: slipstreamlubricants@btconnect.com

1.4 EMERGENCY TELEPHONE NUMBER:

00447786624767 (24 hour)

2. HAZARDS IDENTIFICATION

2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE:

Classification according to Regulation (EC) No 1272/2008

Hazard class	Hazard category	Target Organs	Hazard statements
Flammable liquids	Category 3	---	H226
Aspiration hazard	Category 1	---	H304
Chronic aquatic toxicity	Category 4	---	H413

CLASSIFICATION EU Directives 67/548/EEC or 1999/45/EC Harmful (Xn)

RISK PHRASES R10, R53, R65, R66

2.2 LABEL ELEMENTS

Labelling according to Regulation (EC) No 1272/2008



2.3 OTHER HAZARDS

HEALTH HAZARD

Harmful: May cause lung damage if swallowed. Repeated exposure may cause skin dryness or cracking.

3. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL COMPOSITION: Synthetic non aromatic hydrocarbon mixture. Contains no chlorinated solvents.

Components with health or environmental hazard.

	EINECS Number	CAS Number	symbol / R-phrases	wt%
Isoparaffinic hydrocarbon mixture	292-459-0	90622-57-4	Xn /R65, R66, R53, R10	66.5+2%

4. FIRST AID MEASURES**4.1 DESCRIPTION OF FIRST AID MEASURES**

EYES	Flush thoroughly with large amounts of running water for at least 15 minutes and obtain medical attention if irritation persists.
SKIN	Wash with soap and water. DO NOT use petrol or solvents. Remove contaminated clothing. Wash clothing before reuse.
INGESTION	If appreciable quantity is swallowed, seek medical aid. DO NOT induce vomiting. The danger here is possible aspiration of vomited product into the lungs.
INHALATION	Move to fresh air and obtain medical attention if symptoms persist
INGESTION	If appreciable quantity is swallowed, seek medical aid. DO NOT induce vomiting. The danger here is possible aspiration of vomited product into the lungs.

5. FIRE FIGHTING MEASURES

5.1 EXTINGUISHING MEDIA:	Alcohol-resistant foam, Dry powder, Carbon dioxide (CO ₂), water fog.
UNSUITABLE EXTINGUISHING MEDIA	Water jets
5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE	In combustion emits flumes of carbon monoxide (CO) and carbon dioxide (CO ₂)
5.3 ADVICE FOR FIRE-FIGHTERS	Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES**6.1 PERSONAL PRECAUTIONS, PROTECTION EQUIPMENT AND EMERGENCY PROCEDURES**

Personal precautions. See Section 8 Exposure Control/ Personal Protection.

6.2 ENVIRONMENTAL PRECAUTIONS

Do not discharge into drains, surface and ground water. Contain spillage.

6.3 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

Mop up or absorb onto inert material for disposal according to national or local regulations for oily waste.

6.4 REFERENCE TO OTHER SECTIONS: See Section 4 First aid Measures and Section 10 Stability and Reactivity.**7. HANDLING AND STORAGE****7.1 PRECAUTIONS FOR SAFE HANDLING**

Keep container tightly closed. Ensure adequate ventilation. Avoid contact with eyes and Skin DO NOT SMOKE. SEE SECTION 11

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES.

Store in suitable labelled containers in a well-ventilated and dry area away from sources of direct heat. Keep containers closed when not in use. Store below 40°C.

7.3 SHELF LIFE

Minimum shelf life of 3 years from date of manufacture.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 CONTROL PARAMETERS	No official exposure limit for this material.
8.2 EXPOSURE CONTROL	
Respiratory protection	If use in a confined space or in an unventilated room it may be prudent to wear a suitable respiratory with a type A filter for organic gases and vapours.
Hand protection	Wear protective gloves
Eyes protection	Wear goggles or safety glasses with side shields.
Skin protection	Short term exposure is not considered hazardous. If prolonged contact is envisaged wear protective clothing and gloves.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Milky white fluid which may separate on standing
COLOUR	Milky White
ODOUR	Characteristic.
EVAPORATION RATE	Negligible
VAPOUR PRESSURE:	0.1 kPa (approx) at 20°C. 0.3 kPa (approx) at 38°C 0.6 kPa (approx) at 50°C
VAPOUR DENSITY (air = 1) :	>100
EXPLOSIVE LIMITS IN AIR:	0.6 - 7.0 vol%
FREEZING POINT	Below -50°C
BOILING POINT RANGE	150-220°C
FLASH POINT	> 56°C (PMCC)
AUTO IGNITION TEMPERATURE	>200°C
DENSITY	0.79 - 0.80 kg/l
SOLUBILITY IN WATER	Insoluble in water

9.2 OTHER INFORMATION

MOLECULAR WEIGHT	164 g/mol
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10. STABILITY AND REACTIVITY

10.1 REACTIBILITY

No reaction under recommended storage conditions.

10.2 CHEMICAL STABILITY

- Stable under recommended storage conditions

10.3 POSSIBILITY OF HAZARDOUS REACTIONS

- None known

10.4 CONDITIONS TO AVOID

- Excessive heat. High energy sources of ignition. Heat. Sparks. Open flames. Other sources of ignition.

10.5 INCOMPATIBLE MATERIALS

- Material to avoid. Strong oxidizing agents.

10.6 HAZARDOUS DECOMPOSITION

- No information available

11. TOXICOLOGICAL INFORMATION**11.1 INFORMATION ON TOXICOLOGICAL EFFECTS**

Acute toxicity

ORAL LD50 : > 5000 mg/kg (rat) Slightly toxic

INHALATION LC50 : > 5000 mg/l (rat; 8 h) Slightly toxic

DERMAL LD50 : > 5000 mg/kg (rabbit) Slightly toxic

SKIN The product does not contain any substance listed by OSHA, NTP or IARC Monograph as a carcinogen.

11.2 SYMPTOMS / ROUTES OF EXPOSURE

- EYE CONTACT: May cause mild irritation but does not injure eye tissue.
- SKIN CONTACT: Occasional brief contact will not cause significant irritation unless evaporation is impeded.
- Repeated and/or prolonged contact will defat the skin and may cause mild irritation or dermatitis
- Primary skin irritant under closed or semi closed conditions. The product is not considered to be a dermal sensitizer.
- INHALATION: High vapour concentrations are irritating to the eyes and the respiratory tract, may cause headaches and dizziness, are anaesthetic and may have other central nervous system effects. Vapour LC50 (Rat) >5000 mg/kg slightly toxic.
- INGESTION: Minimal toxicity. Acute oral toxicity (LD50 rat) >5000 mg/kg slightly toxic (based on data for components). Small amounts aspirated into the lungs during ingestion or subsequent vomiting may cause bronchopneumonia or pulmonary oedema. SEE SECTION 4.).

12. ECOLOGICAL INFORMATION**12.1 TOXICITY**

FISH LL0 : 1000 mg/l (Oncorhynchus mykiss; 96 h)

TOXICITY TO DAPHNIA AND OTHER AQUATIC INVERTEBRATES. EL0 : 1000 mg/l (Daphnia magna; 48 h)

ALGAE

EL0 : 1000 mg/l (Pseudokirchneriella subcapitata (green algae); 72 h)

NOELR : 1000 mg/l (Pseudokirchneriella subcapitata (green algae); 72 h)

CHRONIC TOXICITY

AQUATIC INVERTEBRATES LOEC : 0.011 mg/l (Daphnia magna (Water flea); 21 d)

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12.2 PERSISTANCE AND DEGRADABILITY

- The product is insoluble and floats on water. The product evaporates easily from water surface.

12.3 BIOACCUMULATIVE POTENTIAL

- Not bioaccumulate.

12.4 MOBILITY IN SOIL

- Readily absorbed by soil

12.5 RESULTS OF PBT AND vPvB ASSESSMENT

- Not considered to be PBT or vPvB.

12.6 OTHER ADVERSE EFFECTS

- Not known

13. DISPOSAL CONSIDERATIONS

13.1 WASTE TREATMENT METHODS

- Product : Disposal together with normal waste is not allowed. Special disposal required according to local regulations. Do not let product enter drains. Contact waste disposal services.
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- Contaminated packaging : Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning. Packagings that cannot be cleaned are to be disposed of in the same manner as the product. Do not burn, or use a cutting torch on, the empty drum. Risk of explosion.
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- European Waste : No waste code according to the European Waste Catalogue can be assigned for this product, as the intended use dictates the assignment. The waste code is established in consultation with the regional waste disposer.
- Catalogue Number
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14. TRANSPORT INFORMATION

14.1. UN NUMBER

3295

14.2. UN PROPER SHIPPING NAME

ADR : HYDROCARBONS, LIQUID, N.O.S.
 RID : HYDROCARBONS, LIQUID, N.O.S.
 IMDG : HYDROCARBONS, LIQUID, N.O.S.

14.3. TRANSPORT HAZARD CLASS(ES)

ADR-Class	3
(Labels; Classification Code; Hazard identification No; Tunnel restriction code)	3; F1; 30; (D/E)
RID-Class	3
(Labels; Classification Code; Hazard identification No)	3; F1; 30
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IMDG-Class	3
(Labels; EmS)	3; F-E, S-D

14.4. PACKAGING GROUP

ADR : III
 RID : III
 IMDG : III

14.5. ENVIRONMENTAL HAZARDS

Labeling according to 5.2.1.8 ADR : no
 Labeling according to 5.2.1.8 RID : no
 Labeling according to 5.2.1.6.3 IMDG : no
 Classification as environmentally hazardous according to 2.9.3 IMDG : no

14.6. SPECIAL PRECAUTIONS FOR USER

Not applicable.

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

IMDG : Not applicable

15. REGULATORY INFORMATION**15.1 SAFETY, HEALTH AND ENVIRONMENT REGULATIONS/LEGISLATIONS SPECIFIC FOR THE SUBSTANCE OR MIXTURE**

Other regulations : Occupational restrictions: Take note of Dir 92/85/EEC on the safety and health of pregnant workers at work and of Dir 94/33/EC on the protection of young people at work.

15.2 CHEMICAL SAFETY ASSESSMENT

- Currently we do not have any information from our supplier about this.

16. ALLERGEN STATEMENT

- We hereby certify that Flow Gel 2 complies with FDA 21 CFR 178.3570. for lubricants with incidental food contact
- We confirm that they do not contain any fats or products derived from animal fats.
- They are therefore free from any BSE and TSE organisms.
- We also certify that the ingredients we use DO NOT contain lead, nuts or any of the 14 allergens detailed in EU legislation.
- We also state that there is NO LATEX components in or does not come into contact with any Latex components during the course of the manufacturing process.

17. OTHER INFORMATION

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

R10 Flammable.

R53 May cause long-term adverse effects in the aquatic environment.

R65 Harmful: may cause lung damage if swallowed.

R66 Repeated exposure may cause skin dryness or cracking.

FULL TEXT OF H-STATEMENTS REFERRED TO UNDER SECTIONS 2 AND 3.

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H413 May cause long lasting harmful effects to aquatic life.

FURTHER INFORMATION

Other information : The information provided in this Safety Data Sheet is correct to our knowledge at the date of its revision. The information given only describes the products with regard to safety arrangements and is not to be considered as a warranty or quality specification and does not constitute a legal relationship. The information contained in this Safety Data Sheet relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text

- This safety data sheet was prepared in accordance with (EU) No 453/2010.
- Ingredients listed under FDA 21 CFR section 178.3570
- The information contained in this Material Safety Data Sheet is based on the best information available to the Company and is accurate to the best of the Company's knowledge. However, Slipstream makes no representation or warranty regarding the information and it is not intended to be all-inclusive. It is the user's responsibility to ensure that he has all the information necessary to satisfy himself that the material is safe to use under the prevailing conditions