

SAFETY DATA SHEET

1 IDENTIFICATION OF THE PREPARATION AND THE COMPANY:

PRODUCT NAME: **GUNK ENGINE DEGREASER, FOAM ACTION Product Number 729**

INTENDED USE: Engine degreaser.

SUPPLIER: Granville Oil & Chemicals Ltd
29 Goldthorpe Industrial Estate
Goldthorpe
Rotherham
S63 9BL

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2 COMPOSITION/INFORMATION ON INGREDIENTS:

INGREDIENT	CAS No.	EINECS	CONTENTS	HEALTH (Class)	RISK (R Phrases)
PROPANE	74-98-6	200-827-9	5-10	F+	R12
BUTANE/ISOBUTANE	106-97-8	203-448-7	2-10	F+	R12
SODIUM TRIPOLYPHOSPHATE	7758-29-4	231-838-7	<1	Xi	R36/37/38
TRIETHANOLAMINE 90%	102-71-6	203-049-8	1-5	Xi	R36/38
AMMONIA	1336-21-6	231-635-3	<1	C, N	R34, 50
AROMATIC HYDROCARBON	64742-95-6	265-199-0	5-15	F, Xn, N	R10, 37, 65, 66, 67, 51/53
2-BUTOXYETHANOL	111-76-2	203-905-0	1-5	Xn	R20/21/22,36/38

3 HAZARDS IDENTIFICATION:

Pressurised Container

Extremely flammable. May form a flammable or explosive mixture with air during use.

Harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment.

Solvent abuse can kill instantly.

4 FIRST AID MEASURES:

GENERAL: Move the exposed person to fresh air at once.

EYES: Promptly wash eyes with lots of water while lifting the eyelids. Continue to rinse for at least 15 minutes and get medical attention.

SKIN: Promptly wash contaminated skin with soap or mild detergent and water. Promptly remove clothing if soaked through and wash as above.

INHALATION: Move the exposed person to fresh air at once. Perform artificial respiration if breathing has stopped. Keep the affected person warm and at rest. Get prompt medical attention.

INGESTION: Rinse mouth thoroughly. Do not induce vomiting. Get medical attention immediately.

5 FIRE FIGHTING MEASURES:

EXTINGUISHING MEDIA: Water spray, fog or mist. Carbon Dioxide (CO2). Foam.

SPECIAL FIRE FIGHTING PROCEDURES: Water may be ineffective but use to keep fire-exposed containers cool. If a leak or spill has not ignited, use water spray to disperse vapours. Water spray may be used to flush spills away and dilute spills to non-flammable mixtures. Warn fire fighters that aerosols are involved

UNUSUAL FIRE & EXPLOSION HAZARDS: Makes explosive mixtures with air. Extremely flammable. May explode in a fire. May travel considerable distance to source of ignition and flash back.

6 ACCIDENTAL RELEASE MEASURES:

SPILL CLEANUP METHODS: Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Absorb in vermiculite, dry sand or earth and place into containers. Collect and reclaim or dispose in sealed containers in licensed waste. Provide ventilation and confine spill.

7 HANDLING AND STORAGE:

USAGE PRECAUTIONS: Keep away from heat, sparks and open flame. Read and follow manufacturer's recommendations. Do not spray near a naked flame or any incandescent material.

STORAGE PRECAUTIONS: Flammable/combustible Store at moderate temperatures in dry well ventilated area. Keep away from heat, sparks and open flame. Protect from sunlight and do not expose to temperatures exceeding 50°C.

8 EXPOSURE CONTROLS AND PERSONAL PROTECTION:

INGREDIENT	CAS No.	EINECS	STD	L.T. (8 Hr.TWA)	S.T. (15 MIN)	
PROPANE	74-98-6	200-827-9		Asphyxiating	Asphyxiating	
BUTANE/ISOBUTANE	106-97-8	203-448-7	OES	600 ppm	750 ppm	
SODIUM TRIPOLYPHOSPHATE	7758-29-4	231-838-7	Not established			
TRIETHANOLAMINE 90%	102-71-6	203-049-8	Not established			
AMMONIA	1336-21-6	231-635-3	OES	25 ppm	35 ppm	IOELV
AROMATIC HYDROCARBON	64742-95-6	265-199-0	Man.	600 mg/m ³		
2-BUTOXYETHANOL	111-76-2	203-905-0	OES	25 ppm (Sk)	50 ppm (Sk)	Bmgv. IOELV

BMGV. = Biological Monitoring Guidance Value listed in EH40
 IOELV = Indicative Occupational Exposure Limit value.
 Man. = Manufacturers limit

VENTILATION: No specific ventilation requirements noted, except this product must not be used in a confined space without good ventilation. If, following workplace assessment, OEL is likely to be exceeded due to use where natural ventilation is insufficient suitable respirator with organic vapour cartridge must be worn.

EYE PROTECTION: Wear splash-proof eye goggles to prevent any possibility of eye contact.

GENERAL: Do not smoke when using this product.

9 PHYSICAL AND CHEMICAL PROPERTIES:

APPEARANCE: Aerosol container containing a mixture of active ingredients, solvents and propellants.

ODOUR: solvent

PHYSICAL DATA COMMENTS: A Flash Point method is not available for aerosols but the major hazardous component, the propellant, has a Flash Point of <-40°C with Flammability limits of 9.5% vol. Upper and 1.8%vol Lower. Auto-ignition temperature is 410/580°C.

10 STABILITY AND REACTIVITY:

STABILITY: Highly volatile.

CONDITIONS TO AVOID: Avoid heat, flames and other sources of ignition.

11 TOXICOLOGICAL INFORMATION:

HEALTH WARNINGS: Narcotic effect. Drowsiness. Concentrating and inhaling the gas/spray can lead to abnormal heart rhythms and possibly death.

ROUTE OF ENTRY: Inhalation.

TARGET ORGANS: Central nervous system. Respiratory system, lungs.

MEDICAL SYMPTOMS: Narcotic effect. Drowsiness. Dizziness.

ACUTE AND CHRONIC HEALTH HAZARDS: Repeated exposure may cause upper respiratory irritation. Defatting, drying and cracking of skin

12 ECOLOGICAL INFORMATION:

ENVIRONMENTAL HAZARDS: This product has not been tested but contains ingredients which are harmful to aquatic organisms and may cause long term adverse effects in the aquatic environment. During normal use the volatility of the components and the packaging form, pressurised container, make entry into the aquatic environment unlikely, however, do not empty or discharge into drains or watercourses. Ensure container is empty before disposal to prevent contents entering watercourses.

13 DISPOSAL CONSIDERATIONS:

DISPOSAL METHODS: Ensure container is empty and dispose of in accordance with Local Authority regulations. Do not pierce or incinerate even when container is empty. Do not empty or discharge into drains or watercourses. Ensure container is empty before disposal to prevent contents entering watercourses.

14 TRANSPORT INFORMATION:

This product is packed in accordance with the Limited Quantity Provisions of CDGCP2, ADR and IMDG. These Provisions allow transport of aerosols of less than 1 litre packed in cartons of less than 30kg gross weight to be exempt from control providing they are labelled in accordance with the requirements of those regulations to show that they are transported as Limited Quantities. Aerosols not so packed and labelled must show the following.

<u>ROAD (GB):</u> MARK: Aerosols, UN1950, Class 2, Div. 2.1 LABEL FOR CONVEYANCE: Flammable Gas (Class 2).	<u>ROAD (ADR):</u> MARK: 1950, Aerosols, 2, 5°F, ADR LABEL FOR CONVEYANCE: Label Model Number 3, Flammable.	<u>SEA</u> MARK: Aerosols UN1950 SEA TRANSPORT CLASS No.: 2 IMDG Page No.: 2102
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15 REGULATORY INFORMATION:

LABEL FOR SUPPLY: Extremely flammable
(Orange/black with flame symbol.)

RISK PHRASES: R-12 Extremely flammable.
R52/53 Harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment.

SAFETY PHRASES: S-2 Keep out of reach of children.
S-16 Keep away from sources of ignition - No Smoking.
S-23 Do not breathe spray or vapour
S29/56 Do not empty into drains, dispose of this material and its container to hazardous or special waste collection point.
S-51 Use only in well ventilated areas.

UK REGULATORY REFERENCES: Health and Safety at Work Act 1974. The Control of Substances Hazardous to Health Regulations 1988. HSE EH40/2002 Occupational Exposure Limits 2002
The Chemicals (Hazard Information & Packaging for Supply) Regulations 2002

EC DIRECTIVES: Aerosol Directive 75/324/EEC as amended by 94/1/EEC. Dangerous Preparations Directive 1999/45/EEC
Labelling Directive 91/155/EEC as amended by 93/112/EEC. Safety Data Sheets Directive 91/155/EEC

STATUTORY INSTRUMENTS: The Consumer Protection Act 1987 SI 1140 The Aerosol Dispensers Regulations 1977 & 1997
The Health and Safety at Work etc. Act 1974

APPROVED CODE OF PRACTICE: The Control of Substances Hazardous to Health.
British Aerosol Manufacturers Code of Practice, 7th. Ed 1999

OTHER INFORMATION SOURCES: Material Safety Data Sheet, Misc. manufacturers.

16 OTHER INFORMATION:**Risk Phrases used in this Safety Data Sheet:**

R-10 Flammable. R-12 Extremely flammable. R-34 Causes burns. R-35 Causes severe burns. R-37 Irritating to respiratory system.
R-50 Very toxic to aquatic organisms. R-65 Harmful: may cause lung damage if swallowed. R-66 Repeated exposure may cause skin dryness or cracking. R-67 Vapours may cause drowsiness and dizziness. R-20/21/22 Harmful by inhalation, in contact with skin and if swallowed. R-36/37/38 Irritating to eyes, respiratory system and skin. R-36/38 Irritating to eyes and skin.
R-51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Changes in Sections 3, 12 and 15.

The information contained in this Data Sheet is provided in accordance with the Chemicals (Hazard Information & Packaging for Supply) Regulations 2002. It does not constitute the user's own assessment of work place risks as required by other health and safety legislation. The provisions of the Health and Safety at Work etc. Act and the Control of Substances Hazardous to Health Regulations apply to the use of this product at work.

As the specific conditions of use of the product are outside the suppliers control the user is responsible for ensuring that the requirements of the relevant legislation are complied with.

This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with legal regulations. The information contained herein is based on the current state of our knowledge and is intended to describe products from the point of view of safety requirements and thus should not be construed as guaranteeing specific properties.