



## SAFETY DATA SHEET STP ENGINE DEGREASER

According to Regulation (EC) No 1907/2006

### 1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME STP ENGINE DEGREASER

APPLICATION Engine cleaner

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### 2 HAZARDS IDENTIFICATION

Extremely flammable. Repeated exposure may cause skin dryness or cracking.

CLASSIFICATION F+;R12. R66.

#### PHYSICAL AND CHEMICAL HAZARDS

Extremely flammable. Aerosol cans may explode in a fire.

#### HUMAN HEALTH

Repeated exposure may cause skin dryness or cracking.

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
BUTANE	203-448-7	106-97-8	10-25%	F+;R12
COCONUT FATTY ACID DIETHANOLAMIDE	268-934-3	68155-06-6	1.0-2.5%	Xi;R38,R41.
FATTY ALCOHOL C12-C14, ~ 2EO		68439-50-9	0.1-1.0%	Xi;R38,R41. N;R50.
NAPHTHA (PETROLEUM), HYDROTREATED HEAVY; LOW BOILING POINT HYDROGEN	265-150-3	64742-48-9	50-100%	Xn;R65. R10,R66.
PROPANE	200-827-9	74-98-6	2.5-10%	F+;R12

The Full Text for all R-Phrases are Displayed in Section 16

### 4 FIRST-AID MEASURES

#### INHALATION

Vapours may cause drowsiness and dizziness. Move the exposed person to fresh air at once. Provide rest, warmth and fresh air. Get medical attention if any discomfort continues.

#### INGESTION

Rinse mouth thoroughly. Get medical attention. Provide rest, warmth and fresh air.

#### SKIN CONTACT

Prolonged contact may cause redness and irritation. Wash the skin immediately with soap and water. Do not use solvents or thinners.

#### EYE CONTACT

May irritate eyes. Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

### 5 FIRE-FIGHTING MEASURES

**STP ENGINE DEGREASER****EXTINGUISHING MEDIA**

Use: Carbon dioxide (CO<sub>2</sub>). Dry chemicals, sand, dolomite etc. Foam.

**SPECIAL FIRE FIGHTING PROCEDURES**

Move container from fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out.

**UNUSUAL FIRE & EXPLOSION HAZARDS**

Extremely flammable. Aerosol cans may explode in a fire.

**SPECIFIC HAZARDS**

Fire creates: Vapours/gases/fumes of: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

**PROTECTIVE MEASURES IN FIRE**

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

**6 ACCIDENTAL RELEASE MEASURES****PERSONAL PRECAUTIONS**

Wear protective clothing as described in Section 8 of this safety data sheet.

**ENVIRONMENTAL PRECAUTIONS**

Avoid discharge to the aquatic environment.

**SPILL CLEAN UP METHODS**

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Once the propellant has completely vented, absorb any remaining liquid in vermiculite, dry sand or earth and place into containers. Containers with collected spillage must be properly labelled with correct contents and hazard symbol.

**7 HANDLING AND STORAGE****USAGE PRECAUTIONS**

Read and follow manufacturer's recommendations. Keep away from heat, sparks and open flame. Provide good ventilation. Avoid contact with eyes. Wash hands after handling.

**STORAGE PRECAUTIONS**

Keep away from heat, sparks and open flame. Aerosol cans: Must not be exposed to direct sunlight or temperatures above 50°C.

**8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

Name	Std	TWA - 8 hrs		STEL - 15 min		Notes
BUTANE	WEL	600 ppm	1450 mg/m <sup>3</sup>	750 ppm	1810 mg/m <sup>3</sup>	Carc

WEL = Workplace Exposure Limit.

Carc = Capable of causing cancer and/or heritable genetic damage.

**HAND PROTECTION**

For prolonged or repeated skin contact use suitable protective gloves.

**EYE PROTECTION**

Wear approved chemical safety goggles where eye exposure is reasonably probable.

**HYGIENE MEASURES**

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly if skin becomes contaminated. When using do not eat, drink or smoke.

**9 PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE	Aerosol Liquid		
ODOUR	Characteristic		
SOLUBILITY	Immiscible with water		
BOILING POINT (°C)	-44°C	RELATIVE DENSITY	0.71 @ 20 °C
VAPOUR PRESSURE	2.8 bar @20°C	VOLATILE BY VOL. (%)	95.7%
FLASH POINT (°C)	< 0°C	AUTO IGNITION	236°C
		TEMPERATURE (°C)	
FLAMMABILITY LIMIT - LOWER(%)	0.7%	FLAMMABILITY LIMIT - UPPER(%)	8.5%

**10 STABILITY AND REACTIVITY**

**STP ENGINE DEGREASER****STABILITY**

Stable under normal temperature conditions.

**CONDITIONS TO AVOID**

Avoid heat, flames and other sources of ignition.

**HAZARDOUS DECOMPOSITION PRODUCTS**

None at ambient temperatures.

**11 TOXICOLOGICAL INFORMATION****INHALATION**

Vapours may cause headache, fatigue, dizziness and nausea. Vapour may irritate respiratory system or lungs. Drowsiness, dizziness, disorientation, vertigo. Central nervous system depression.

**SKIN CONTACT**

Prolonged contact may cause irritation.

**EYE CONTACT**

Spray and vapour in the eyes may cause irritation and smarting.

**12 ECOLOGICAL INFORMATION****ECOTOXICITY**

Not regarded as dangerous for the environment. The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

**DEGRADABILITY**

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

**13 DISPOSAL CONSIDERATIONS****DISPOSAL METHODS**

Dispose of waste and residues in accordance with local authority requirements. Make sure containers are empty before discarding (explosion risk). Recover and reclaim or recycle, if practical.

**14 TRANSPORT INFORMATION**

PROPER SHIPPING NAME	AEROSOLS		
UN NO. ROAD	1950	ADR CLASS NO.	2
ADR CLASS	Class 2: Gases	ADR LABEL NO.	2.1
RID CLASS NO.	2	UN NO. SEA	1950
IMDG CLASS	2	EMS	2-13
MFAG	See Guide	UN NO. AIR	1950
AIR CLASS	2		

**15 REGULATORY INFORMATION****LABELLING**

Extremely Flammable

**RISK PHRASES**

R12 Extremely flammable.

STP ENGINE DEGREASER

SAFETY PHRASES	R66	Repeated exposure may cause skin dryness or cracking.
	S2	Keep out of the reach of children
	S16	Keep away from sources of ignition - No smoking.
	S37	Wear suitable gloves.
	S51	Use only in well-ventilated areas.
	A1	Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.
	A2	Do not spray on a naked flame or any incandescent material.

DETERGENT LABELLING

>= 30%	Aliphatic hydrocarbons
< 5%	Non-ionic surfactants

EU DIRECTIVES

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

STATUTORY INSTRUMENTS

Chemicals (Hazard Information and Packaging) Regulations.

APPROVED CODE OF PRACTICE

Classification and Labelling of Substances and Preparations Dangerous for Supply.

GUIDANCE NOTES

Workplace Exposure Limits EH40.

16 OTHER INFORMATION

REVISION COMMENTS

Supplier name amended. Re-issued in accordance with Regulation (EC) No. 1907/2006 Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

REVISION DATE 10-2008

REV. NO./REPL. SDS GENERATED 1 / 09-2005

RISK PHRASES IN FULL

R12	Extremely flammable.
R10	Flammable.
R65	Harmful: may cause lung damage if swallowed.
R38	Irritating to skin.
R66	Repeated exposure may cause skin dryness or cracking.
R41	Risk of serious damage to eyes.
R50	Very toxic to aquatic organisms.

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