SMPS - MULTI-PURPOSE LUBRICANT

Description:
Water displacement properties along with lubrication guarding against corrosion.

Additional Notes:
Contains a blend of naphta, waxes, solvents & oils with hydrocarbon propellant.

Temp Range:
Designed for use at ambient temperatures.

1 - HAZARDS IDENTIFICATION

1.1 - Classification of the subsance or mixture Classification

Physical Hazard	Aerosol 1 -H222, H229
Health Hazards	Not Classified
Environmental Hazards	Not Classified
Classification (67/548/EEC or 1999/45/EC)	F+;R12. R52/53,R66.
Human Health	In high concentrations, vapour and aerosol mists have a narcotic effect and may cause headache, fatgue, dizziness and nausea. Gas or vapour is harmful on prolonged exposure or in high concentrations.
Environmental	The product contains a substance when heared, due to excessive pressure build-up. The product is extremely flammable. When sprayed on a naked flame or any incandescent material the aerosol vapours can be ignited.
Physicochemical	Aerosol containers can explode when heated, due to excessive pressure build-up. The product is extremelly flammable. WHen sprayed on a naked flame or any incandescent material the aerosol vapours can be ignited.

1.2 Label Elements

Pictogram

Signal Word	Danger
Hazard Statements	**H222** Extremely Flammable Aerosol **H229** Pressurised Container: May burst if heated.
Precautionary Statements	**P210** Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No Smoking **P211** Do not spray on an open fame or other ignition sources **P251** Do not pierce or burm, even after use. **P410 + P412** Protect from sunlight - Do not expose to temperature exceeding 50°C/122°F **P501** Dispose of contents/container in accordance with national regulations. **P102** Keep out of reach of children. **P260** Do not breathe vapour/spray **P271** Use only out doors or in a well-ventilated area.

1.3 Other Hazards

This product does not contain any substances classified as PBT or vPvB

2 - COMPOSITION/INFORMATION ON INGREDIENTS

PETROLEUM GASES, LIQUEFIED; PETROLEUM GAS		**60-100%**
CAS number: 68476-85-7	EC number: 270-704-2	
Classification Flam. Gas 1 - H220 Press. Gas, Liquefied - H280	**Classification (67/548/EEC or 1999/45/EC)** F+;R12 Carc. Cat. 1;R45 Muta. Cat. 2;R46	
Odourless Kerosene		**30-60%**
CAS number: —	EC number: 926-141-6	REACH registration number: 01-2119456620-43
Classification Asp. Tox. 1 - H304	**Classification (67/548/EEC or 1999/45/EC)** Xn;R65. R66.	
MONOCYCLIC TERPENE		**<1%**
CAS number: 5989-27-5	EC number: 227-813-5	REACH registration number: 01-2119529223-47
M factor (Acute) = 1	M factor (Chronic) = 1	
Classification Flam. Liq. 3 - H226 Skin Sens. 1 - H317 Skin Irrit. 2 - H315 Aquatic Chronic 1 - H410 Aquatic Acute 1 - H400	**Classification (67/548/EEC or 1999/45/EC)** Xn;R65. Xi;R38. N;R50/53. R10,R43.	

The Full Text for all R-Phrases and Hazzard Statements are Displayed in Section 15.

3 - COMPOSITION/INFORMATION ON INGREDIENTS

3.1 - Description of first aid measures

General Information

Move affected person to fresh air at once.

Inhalation

If spray/mist has been inhaled, proceed as follows. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. If breathing stops, provide artificial respirationg. Keep the affected person warm and at rest. Get prompt medical attention.

Ingestion

Rinse mouth thoroughly with water, DO NOT induce vomiting. Get medical attention immediately.

Skin contact

Remove contaminated clothing immediately and wash skin with soap and water.

Eye contact

Rinse immediately with plenty of water. Remove and contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention.

3.2 - Most Important Symptoms and effects, both acute and delayed

General Information	The severity of the symptoms described will vary dependant on the concentration and the lenght of exposure.

3.3 - Indication of any immediate medical attention and special treatment needed

Notes for the doctor	Treat Symptomatically

4 - FIREFIGHTING MEASURES

4.1 - Extinguishing Media

Suitable Extinguishing Media	Extinguish with foam, carbon dioxide, dry powder or water fog.

4.2 - Special Hazards arising from the substance or mixture

Specific Hazards	Containers can burst violently or explode when heated, due to excessive pressure build-up. Vapours are heavier than air and may spread near ground and travel a considerable distance to a source of ignition and flash back. Containers can burst voilently or explode whn heated, due to excessive pressure build-up. Extremely flammable. Forms explosive mixtures with air.

4.3 - Advice for firefighters

Protective actions during firefighiting	Cool containers exposed to heat with water sprayu and remove them from the fire area if it can be done without risk. Use water to keep fire exposed containers cool and dispense vapours.

5 - ACCIDENTAL RELEASE MEASURES

5.1 - Personal precautions, protective equipment and emergency procedures

Personal Precautions	Provide adequate ventilation. Use suitable respiratory protection if ventilation is inadequate. Avoid inhalation of vapours

5.2 - Environmental Precautions

Environmental Precautions	Avoid the spillage or runoff entering drains, sewers or watercourses. Contain spillage with sand, earth or other suitable non-combustible material.

5.3 - Methods and material for containment and cleaning up

Methods for cleaning up	Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Leave small quantities to evaporate, if safe to do so. Do not allow material to enter confined spaces, due to the risk of explosion. Absorb spillage with non-combustibl, absorbent material.

5.4 - Reference to other sections

Reference to other sections	For personal protection, see Section 7. For waste disposal see Section 12

6 - HANDLING AND STORAGE

6.1 - Precautions for safe handling

Usage Precautions	Read and follow manufacturer's recommendations. Keep it away from heat, sparks and open flame. Do not spray on a naked flame or any incandescent material. Eliminate all sources of ignition.

6.2 - Conditions for safe storage, including any incompatibilities

Storage Precautions	Keep away from heat, sparks and open flame. Store at moderate temperatures in dry, well ventilated area. Pressurized container: Protect from sunlight and do not expose to temperatures exceeding 50°C. Do no pierce or burn, even after use. Extrememly flammable.

6.3 - Specific end use(s)

Specific end use(s)

7 - EXPOSURE CONTROLS/PERSONAL PROTECTION

7.1 - Control Parameters

Occupational Exposure Limits
PETROLEUM GASES, LIQUEFIED PETROLEUM GAS

Long-term exposure limit (8-Hour TWA): WEL 1000 ppm 1750 mg/m³
Short-term exposure limit (15-Minute): WEL 1250 ppm 2180 mg/m³

Odourless Kerosene

Long-term exposure limit (8-Hour TWA): OEL 1200 mg/m³

8 - PHYSICAL AND CHEMICAL PROPERTIES

8.1 - Information on basic physical and chemical properties

Appearance	Aerosol.
Colour	Colourless to yellow.
Odour	Characteristic.
Initial boiling point and range	-40 to -2°C @ 1013 hPa
Flash point	<-40°C
Upper/lower flammability or explosive limits	Lower: 1.8% - Upper 9.5%
Vapour Pressure	ca. 590 to 1760 kPa @ 45°C
Vapour density	ca. 1.5 at 15°C
Partition coeffecient	log Pow: ca. 2.3 to 2.8
Auto-ignition temperature	410 - 580°C
Comments	Information given is applicable to the major ingredient

8.2 - Other information

Other Information	Not available
Volatile organic compound	This product contains a maximum VOIC content of 629 g/l.

9 - STABILITY AND REACTIVITY

9.1 - Reactivity

Reactivity	Stable at normal ambient temperatures and when used as recommended.

9.2 - Chemical Stability

Stability	Heat, sparks, flames.

9.3 - Possibility of hazardous reactions

Possibility of hazardous reactions	Does not decompose when used and stored as recommended.

9.4 - Conditions to avoid

Conditions to avoid	Avoid heat, flames and other sources of ignition. Avoid exposing aerosol containers to high temperatures or direct sunlight.

9.5 - Incompatible Materials

Materials to avoid	Keep away from oxidising materials, heat and flames.

9.6 - Hazardous Decomposition products

Hazardous Decomposition products	Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Toxic and corrosive gases or vapours.

10 - TOXILOGICAL INFORMATION

10 .1 - Information on toxilogical effects

Toxilogical effects	No information available.
General Information	Deliberately concentrating and inhaling the contents of this container is dangerous and can be fatal.
Inhalation	In high concentrations, vapours and aerosol mists have a narcotic effect and may cause headache, fatigue, dizziness and nausea. Unconsciousness, possible death.
Skin contact	Skin irritation should not occur when used as recommended. Repeated exposure may cause skin dryness or cracking.
Eye contact	Vapour or spray in the eyes may cause irritation and smarting
Acute and chronic health hazards	In high concentrations, vapours and aerosol mists have a narcotic effect and may cause headache, fatigue, dizziness and nausea. Arrhythmia (deviation from normal heart beat).
Route of entry	Inhalation
Target organs	Central nervous system, Respiratory system, lungs.
Medical symptoms	Skin irritation, Arrythmia (deviation from normal heart beat). Vapours may cause drowsiness and dizziness.

11 - ECOLOGICAL INFORMATION

Ecotoxicity	The product contains a substance which is harmful to aquatic organisms and which may cause long-term advers effects in the aquatic environment.

11. 1 - Toxicity

Toxicity	Not available.

11.2 Persistence and degradability

Persistence and degradability	Not available.

11.3 Bioaccumlative Potential

Bioaccumlative Potential	Not available.
Partition Coefficient	log Pow: ca 2.3 to 2.8

11.4 Mobility in soil

Mobility	Not known.

11.5 Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	Not available.

11.6 Other adverse effects

Other adverse effects	Not available.

12 - DISPOSAL CONSIDERATIONS

12.1 Waste treatment methods

General Information	Do not puncture or incinerate, even when empty.
Disposal Methods	Dispose of waste to licensed waste disposal site in accordance with the requirements of local Waste Disposal Authority. Containers should be thoroughly emptied before disposal because of the risk of an explosion. Empty containers must not be punctured or incinerated because of the risk of explosion.

13 - TRANSPORT INFORMATION

General	This product is packed in acoordance with Limited Quantity Provisions of CDGCPL, ADR and IMDG. These provisions allow transport of aerosols o less than 1 litre packed in cartons of less than 30kg gross weight to be exempt from control providing that they are labelled in accordance with the requirements of these regulations to show that they are benig transported as Limited Quantities. Aerosols not so packed and labelled must show the following.
13.1 UN Number	
UN No. (ADR/RID)	1950
UN No. (IMDG)	1950
UN No. (ICAO)	1950
13.2 UN Proper Shipping Name	
Proper Shipping Name (ADR/RID)	AEROSOLS
Proper Shipping Name (IMDG)	AEROSOLS
Proper Shipping Name (ICAO)	AEROSOLS
Proper Shipping Name (ADN)	AEROSOLS
13.3 Transport Hazard class(es)	
ADR/RID Class	2.1
ADR/RID Label	2.1
IMDG Class	2.1
ICAO Class/Division	2.1
Transport Labels	

13.4 Packing Group

Not Applicable.

13.5 Environmental Hazards

Environmentally Hazardous Substances/Marine Pollutant.

No.

13.6 Special Precautions for user

EmS	F-D, S-U
Tunnel Restriction Code	(D)

13.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not Applicable.

14 - REGULATORY INFORMATION

14.1 Safety, Health and Environmental regulations/legislation specific for the substance or mixture.

National Regulations	The chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).
EU Legislation	Commission Regulation (EU) No 453/2010 of 20 May 2010
Guidance	Workplace Exposure Limits EH40. CHIP for everyone HSG228. Safety Data Sheets for Substances and Preparations. Approved Classification and Labelling Guide (Sixth Edition) L131. British Aerosol Manufacturers Code of Practice 7th Edition 1999.I

14.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out.

15 - OTHER INFORMATION

Revision Comments	Supplement Information Added
Revision Date	26/10/2015
Revision	2
SDS Number	10788
SDS Status	Approved.
Risk Phrases Full	R10 Flammable R12 Extremely Flammable R38 Irritating to Skin R43 May cause sensitisation by skin contact. R50/53 Very toxic to aquatic organisms, may cause long-term avers effects in the aquatic environment. R52/53 Harmful to aquatic organisms, may cause long-term avers effects in the aquatic environment. R65 Harmful: May cause lung damage if swallowed. R66 Repeated exposure may cause skin dryness or cracking.
Hazard Statements Full	H220 Extremely Flammable Gas H222 Extremely Flammable aerosol H222 Extremely Flammable aerosol H226 Flammable liquid and vapour H229 Pressurised container: may burst if heated. H229 Pressurised container: may burst if heated. H280 Contains gas under pressure; may explode if heated H304 May be fatal if swallowed and enters airways H304 May be fatal if swallowed and enters airways H315 Causes skin irritation H317 May cause an allergic skin reaction H400 Very toxic ot aquatic life H410 Very toxic to aquatic life with long lasting effects.

This 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. Such information is, the the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy. reliability or completeness. It is the user's reponsibility to satisfy theirself as to the suitability of such information for shis own particular use.