



2015-09-08

Penetrant

Safety Data Sheet

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

1.1 Identification of the substance or preparation

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1.2 Relevant identified uses of the substance or mixture and uses advised against

Universal lubricant.

1.3 Details of the Supplier of the Safety Data Sheet

Produced for Agro Oil
 Box 30192
 104 25 Stockholm, Sweden
 info@agrol.se
 www.agrol.se

Supplier Spray Master AB
 Fabriksvägen 5
 Box 1050
 S-186 26 Vallentuna, Sweden
 Tel: +46 (8) 505 133 00
 Fax: +46 (8) 505 133 01
 Info@spraymaster.se

1.4 Emergency telephone number

112 (Within EU)

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification in accordance with Regulation No. 1272/2008 (CLP)

Flam. Aerosol 1 - H222+H229 Physical and Chemical Hazards
EUH066;STOT SE 3 - H336 Human health

Classification (1999/45/EEC)

F+;R12. R66, R67.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

Human health

Prolonged skin contact may cause redness, irritation and dry skin. In high concentrations, vapours and aerosol mists have a narcotic effect and may cause headache, fatigue, dizziness and nausea.

Physical and Chemical Hazards

Extremely flammable. Pressure chamber may explode in the event of fire.

2.2 Label elements

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Hazard pictograms



Signal Word **Danger**

EUH066 Repeated exposure may cause skin dryness or cracking.

H336 May cause drowsiness or dizziness.

H220 Extremely flammable aerosol.

H229 Pressurised container: May burst if heated.

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P211 Do not spray on an open flame or other ignition source.

P251 Pressurized container: Do not pierce or burn, even after use.

P410+412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

P102 Keep out of reach of children.

P271 Use only outdoors or in a well-ventilated area.

Containers are sorted as metal.

Contains: NAPHTHA (PETROLEUM), HYDROTREATED HEAVY

2.3 Other Hazards

Supplementary Precautionary Statements

P280 Wear protective gloves.

P261 Avoid breathing vapour/spray.

P264 Wash hands thoroughly after handling.

P321 Specific treatment (see medical advice on this label).

P304+340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P312 Call a POISON CENTER or doctor/physician if you feel unwell.

P332+313 If skin irritation occurs: Get medical advice/attention.

P362 Take off contaminated clothing.

P403+233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Substances

Classification according to 67/548/EEC or 1999/45/EC

Name	EC-no	CAS-no	Weight %	Symbol	R-phrases
Naphtha (petroleum), hydrotreated heavy (0,1% benzene)	265-150-3	64742-48-9	25-60	Xn	R65, R10, R66, R67
Butane	203-448-7	106-97-8	10-25	F+	R12
Propane	200-827-9	74-98-6	10-25	F+	R12
Pentane	203-692-4	109-66-0	<1	F+, Xn, N	R12, R65, R66, R67, R51/53



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Classification according to Regulation (EC) No 1272/2008 [CLP]

Name	EC-no	CAS-no	Weight %	Classification CLP
Naphtha (petroleum), hydrotreated heavy (0,1% benzene)	265-150-3	64742-48-9	25-60	Flam. Liq. 3 - H226 EUH066 STOT Single 3 – H336 Asp. Tox. 1 – H304
Butane	203-448-7	106-97-8	10-25	Flam. Gas 1 - H220 Press. Gas Compressed -H280
Propane	200-827-9	74-98-6	10-25	Flam. Gas 1 - H220 Press. Gas Compressed -H280
Pentane	203-692-4	109-66-0	<1	Flam. Liq. 2 - H225 EUH066 STOT Single 3 - H336 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

4. FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation	Fresh air and rest. Get medical attention if any discomfort continues.
Ingestion	Drink a few glasses of water or milk. DO NOT INDUCE VOMITING!
Skin contact	Wash skin with soap and water.
Eye contact	Rinse with water. Contact physician if discomfort continues.

4.2 The most important symptoms and effects, both acute and delayed

Ingestion	May cause nausea, headache, dizziness and intoxication.
Inhalation	Vapours may cause headache, fatigue, dizziness and nausea.
Skin contact	Prolonged contact may cause redness, irritation and dry skin.
Eye contact	May cause temporary eye irritation.

4.3 Indication of any immediate medical attention and special treatment needed

Not applicable

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Extinguish with foam, carbon dioxide or dry powder.

5.2 Special hazards arising from the substance or mixture

Extremely flammable. Aerosol cans may explode in a fire. Aerosol containers can explode when heated, due to excessive pressure build-up.

5.3 Advice for firefighters

Special Fire Fighting Procedures

Containers close to fire should be removed or cooled with water.

Protective equipment for fire-fighters

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Wear full protective clothing. Selection of respiratory protection for fire fighting: follow the general fire precautions indicated in the workplace.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

For personal protection, see section 8.

6.2 Environmental precautions

Do not discharge into drains, water courses or onto the ground.

6.3 Methods and materials for containment and cleaning up

Collect spillage in containers, seal securely and deliver for disposal according to local regulations.

6.4 Reference to other sections

For personal protection, see section 8. For waste disposal, see section 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Keep away from heat, sparks and open flame. Protect against direct sunlight. Avoid eating, drinking and smoking when using the product.

7.2 Conditions for safe storage, including any incompatibilities

Aerosol cans: Must not be exposed to direct sunlight or temperatures above 50°C. Store in a cool and well-ventilated place. Store in a dry place.

7.3 Specific end uses

Not relevant

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

See national legislation

8.2 Exposure controls

8.2.2 Personal protection equipment

Protective equipment



Engineering measures
Respiratory equipment

Well-ventilated area.
In case of inadequate ventilation or risk of inhalation of vapours, use suitable respiratory equipment with combination filter (type A2/P3).

Hand protection

For prolonged or repeated skin contact use suitable protective gloves. Nitrile. Viton rubber (fluor rubber). Polyethylene/Ethylene Vinyl Alcohol (PE/EVAL).



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Eye protection	Wear approved chemical safety goggles where eye exposure is reasonably probable.
Other Protection	Provide eyewash station and safety shower.
Hygiene measures	Wash hands at the end of each work shift and before eating, smoking and using the toilet.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Aerosol
Colour	Colourless
Densitet	710 kg/m ³ (20°C)
Odour	Solvent
Solubility	Insoluble in water

9.2 Other information

Volatile Organic Compound (VOC)
No information required.

10. STABILITY AND REACTIVITY

10.1 Reactivity

No specific reactivity hazards associated with this product.

10.2 Chemical stability

Stable under normal temperature conditions and recommended use.

10.3 Possibility of hazardous reactions

Not known.

10.4 Conditions to avoid

Avoid heat, flames and other sources of ignition.

10.5 Incompatible materials

No specific, or groups of materials are likely to react to produce a hazardous situation.

10.6 Hazardous decomposition products

Not known.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Toxicological information

No data is available regarding the preparation it self.

General information

Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.



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Inhalation

Vapours have a narcotic effect and may cause headache, fatigue, dizziness and nausea. May cause irritation to the respiratory system.

Ingestion

May irritate and cause stomach pain, vomiting and diarrhea.

Skin contact

Prolonged contact may cause redness, irritation and dry skin.

Eye contact

May cause temporary eye irritation.

Health Warnings

Solvent vapours are hazardous and may cause nausea, sickness and headaches.

Toxicological information on ingredients.

PROPANE (CAS: 74-98-6)

Acute Toxicity:

Acute Toxicity (Oral LD50)

Not applicable

Acute Toxicity (Dermal LD50)

Not applicable

Acute Toxicity (Inhalation LC50)

>20 mg/l (vapours)

BUTANE (CAS: 106-97-8)

Acute Toxicity:

Acute Toxicity (Oral LD50)

Not applicable

Acute Toxicity (Dermal LD50)

Not applicable

Acute Toxicity (Inhalation LC50)

>20 mg/l (vapours)

PENTANE (CAS: 109-66-0)

Acute Toxicity:

Acute Toxicity (Oral LD50)

400 mg/kg Rat

Acute Toxicity (Dermal LD50)

3000 mg/kg Rabbit

Acute Toxicity (Inhalation LC50)

364 mg/l (vapours) Rat 4 hours

NAPHTHA (PETROLEUM), HYDROTREATED HEAVY (0,1%
BENZENE) (CAS: 64742-48-9)

Acute Toxicity:

Acute Toxicity (Oral LD50)

> 2000 mg/kg Rat

Acute Toxicity (Dermal LD50)

> 2000 mg/kg Rabbit

~ 3400 ppmV (gas) Rat 4 hours

12. ECOLOGICAL INFORMATION



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12.1 Toxicity

No data is available regarding the preparation itself.

Ecological information on ingredients

Acute Toxicity - Aquatic Invertebrates

Highly volatile.

EC50 48 hours 27.14 mg/l

PROPANE (CAS: 74-98-6)

Acute Toxicity - Fish

Highly volatile.

LC50 96 hours 24.11 mg/l

BUTANE (CAS: 106-97-8)

Acute Toxicity - Aquatic Invertebrates

Highly volatile.

EC50 48 hours 14.22 mg/l Daphnia magna

PENTANE (CAS: 109-66-0)

Acute Toxicity - Fish

LC50 96 hours 4, 26 mg/l Onchorhynchus mykiss (Rainbow trout)

Acute Toxicity - Aquatic Invertebrates

EC50 48 hours 2, 7-9, 1 mg/l Daphnia magna

Acute Toxicity - Aquatic Plants

IC50 72 hours 7, 51 mg/l Selenastrum capricornutum

NAPHTHA (PETROLEUM), HYDROTREATED HEAVY
(0,1% BENZENE) (CAS: 64742-48-9)

Acute Toxicity - Fish

LC50 96 hours >100 mg/l

Acute Toxicity - Aquatic Invertebrates

EC50 48 hours >100 mg/l Daphnia magna

Acute Toxicity - Aquatic Plants

EC50 72 hours >100 mg/l Freshwater algae

12.2 Persistence and degradability

Degradability

There are no data on the degradability of this product.

Ecological information on ingredients.

Degradability

The product is easily biodegradable.

PROPANE (CAS: 74-98-6)

BUTANE (CAS: 106-97-8)

Degradability

The product is easily biodegradable.

12.3 Bioaccumulative potential

No data available on bioaccumulation

Ecological information on ingredients.

The product is not bioaccumulating.

PROPANE (CAS: 74-98-6)



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The product is not bioaccumulating.

BUTANE (CAS: 106-97-8)

Bioaccumulation factor BCF 171

Partition coefficient $\log P_{ow}$ 3.4

PENTANE (CAS: 109-66-0)

NAPHTHA (PETROLEUM), HYDROTREATED HEAVY
(0,1% BENZENE) (CAS: 64742-48-9)

May accumulate in soil and water systems.

Partition coefficient $\log P_{ow} \sim 2-7$

12.4 Mobility in soil

Mobility: No information available

Ecological information on ingredients.

PROPANE (CAS: 74-98-6)

The product contains volatile organic compounds (VOC) which will evaporate easily from all surfaces.

BUTANE (CAS: 106-97-8)

The product contains volatile organic compounds (VOC) which will evaporate easily from all surfaces.

NAPHTHA (PETROLEUM), HYDROTREATED HEAVY
(0,1% BENZENE) (CAS: 64742-48-9)

The product contains volatile substances, which may spread in the atmosphere.

12.5 Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances.

12.6 Other adverse effects

No information required.

13. DISPOSAL CONSIDERATIONS

General information

The manufacturer of this product complies with the rules and regulations of the European Parliament and Council Directive 94/62/EC of 20 December 1994 on packaging and packaging waste, by paying packaging fees for disposal and recycling of packaging waste.

13.1 Waste treatment methods

The plastic lid and valve are sorted as plastic. Empty aerosols are sorted as scrap metal. Residues and non empty containers should be taken care of as hazardous waste according to local and national regulations.

Waste Class

Non empty containers: EWC code 14 06 03*

Empty containers: EWC code 15 01 04.

14. TRANSPORT INFORMATION

General

Aerosols may be carried domestically as limited quantities (1L) as long as each package does not exceed 30 kg in cardboard boxes or 20 kg on trays with shrink- or stretch wrapping. Each package shall be marked with diamond-shaped area, the top and bottom part is black, surrounded by a line that

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measures at least 100 mm x 100 mm.

14.1 UN-number

1950

14.2 UN proper shipping name

Aerosols

14.3 Transport hazard class(es)

ADR/RID/ADN Class 2.5F

ADR Label No 2.1

IMDG Class 2.1

ICAO Class/Division 2.1

Transport Labels



14.4 Packing group

Not applicable

14.5 Environmental hazards

No

14.6 Special precautions for user

EMS F-D, S-U

Tunnel Restriction Code (D)

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

Not applicable.

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

EU Legislation

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.

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

National Regulations



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COUNCIL DIRECTIVE of may 1975 on the approximation of the laws of the Member States relating to aerosol dispensers.

15.2 Chemical Safety Assessment

No chemical safety assessment has been carried out

16. OTHER INFORMATION

Risk Phrases In Full

R10 Flammable.
R12 Extremely flammable.
R51/53 Toxic to aquatic organisms, 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.
R67 Vapours may cause drowsiness and dizziness.

Hazard Statements In Full

EUH066 Repeated exposure may cause skin dryness or cracking.
H220 Extremely flammable gas.
H222+H229 Extremely flammable aerosol. Pressurised container: May burst if heated.
H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H280 Contains gas under pressure; may explode if heated.
H304 May be fatal if swallowed and enters airways.
H336 May cause drowsiness or dizziness.
H411 Toxic to aquatic life with long lasting effects.