

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

Degreasing agent

1.3 Details of the Supplier of the Safety Data Sheet

Supplier Agro Oil
Box 30192
104 25 Stockholm, Sweden
Phone +46 8-657 42 00
Fax +46 8-657 42 88
E-mail info@agrol.se

1.4 Emergency telephone number

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification in accordance with Regulation No. 1272/2008

Aspiration toxicity	Cat 1 Asp. Tox. 1 H304
Specific organ toxicity after single exposure	Cat 3 STOT SE 3 H336
Hazardous to the aquatic environment	Cat Chronic 2 Aquatic Chronic 2 H411

2.2 Label elements

Hazard pictogram



Signal word Danger

Hazard statement

H304 May be fatal if swallowed and enters airways.
H336 May cause drowsiness or dizziness.
H411 Toxic to aquatic life with long lasting effects.
EUH066 Repeated exposure may cause skin dryness or cracking.

Precautionary statement

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P331 Do NOT induce vomiting.



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P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P273 Avoid release to the environment.

Contents: Contains hydrocarbons, C10, aromatics, <1% naphthalene, kerosene (petroleum) hydrodesulfurized and solvent naphtha (petroleum), heavy aromatic.

Labelling information in accordance with 1999/45/EG

See section 16.

2.3 Other Hazards

None

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Substances according to CLP (Regulation 1272/2008/EC)

Name	EG-no	CAS-no	Weight %	H-stat	Category
Hydrocarbons, C10, aromatics, <1% naphthalene	918-811-1	-	85-95	H304 H336 H411 EUH066	Asp. Tox. 1 STOT SE 3 Aquatic Chronic 2
Polymeric Amine in Aliphatic Hydrocarbons	-	-	1-5	H315 H412	Skin Irrit. 2 Aquatic Chronic 3
Polypropylene glycol	500-039-8	25322-69-4	1-5	H315	Skin Irrit. 2
Kerosene (petroleum), hydrodesulfurized	265-184-9	64742-81-0	1-5	H226 H304 H315 H411	Flam. Liq. 3 Asp. Tox. 1 Skin Irrit. 2 Aquatic Chronic 2
Solvent naphtha (petroleum), heavy aromatic	265-198-5	64742-94-5	0.1-0.9	H304 H351 H336 H411 EUH066	Asp. Tox. 1 Carc. 2 STOT SE 3 Aquatic Chronic 2

* For H-phrases full clarification, see Section 16.

Substances according to KIFS 2005:7

Name	EG-no	CAS-no	Weight %	Symbol	R.-phrases
Hydrocarbons, C10, aromatics, <1% naphthalene	918-811-1	-	85-95	Xn, N	R65-66-67-51/53
Polymeric Amine in Aliphatic Hydrocarbons	-	-	1-5	Xi	R38-52/53
Polypropylene glycol	500-039-8	25322-69-4	1-5	Xi	R38
Kerosene (petroleum), hydrodesulfurized	265-184-9	64742-81-0	1-5	Xn, N	R10-65-38-51/53
Solvent naphtha (petroleum), heavy aromatic	265-198-5	64742-94-5	0.1-0.9	Xn, N	R65-40-66-67-51/53

* For full clarification of R phrases, see Section 16.

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4. FIRST AID MEASURES

4.1 Description of first aid measures

General	Keep the injured person warm and calm. Never give an unconscious person anything by mouth. If there is any uncertainty or if symptoms persist, seek medical advice. Present this Safety Data Sheet to the medical practitioner on duty.
Inhalation	Move the injured person to fresh air. If the injured person is unconscious, but breathing without difficulty, place the person on their side in the recovery position. If the injured person is conscious, they should be placed in a sitting or lying position. If breathing becomes bubbly, place the injured person in a lying position and apply oxygen if this is available. Seek medical advice immediately.
Eye contact	Flush eye immediately with temperate water for 15 - 20 minutes with the eyes wide open. Have the injured person transferred to hospital immediately.
Skin contact	Remove contaminated clothes, shoes and jewellery immediately and wash before putting on again. Wash the skin that has been in contact with the product thoroughly under running water for several minutes. If adverse symptoms develop/persist, seek medical advice.
Ingestion	Rinse the mouth with water. Have the injured person drink approximately 0.5 litres of water. Do not induce vomiting! Risk of aspiration! Seek medical advice immediately.

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

Skin contact	Has a drying effect and can be irritating to the skin. Prolonged and/or repeated contact may cause cracking of skin and eczema.
Eye contact	Irritating to the eye. May cause injury to the eye.
Inhalation	Inhalation of mists or vapour may cause irritation of the mucous membrane, headache and dizziness and a sensation of drowsiness and lack of coordination.
Ingestion	May cause irritation of the mucous membrane, abdominal pains, vomiting and diarrhoea. May cause chemical pneumonia and possibly severe pulmonary injury as a result of vomiting. Symptoms of chemical pneumonia can develop within 24 hours with difficulty breathing and a cough.

4.3 Indication of any immediate medical attention and special treatment needed

Eyewash must be available at the workplace.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Use extinguishing media suitable for the surrounding combustion. Most likely extinguishing media: water fog, carbon dioxide (CO₂), dry powder or foam. Use water spray to cool exposed containers.

5.2 Special hazards arising from the substance or mixture

The product is a flammable liquid and can burn upon heating to temperatures at or above the flash point. Upon combustion, the nitrous gases can increase the intensity, making the combustion more difficult to extinguish. During combustion, irritating gases or fumes may be released containing potentially hazardous decomposition substances.



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5.3 Advice for firefighters

Firefighters should wear full protective equipment including self-contained breathing apparatus. Do not allow spilled water from extinguishing a fire or clean-up water to enter drains or sewers. Disperse toxic gases/fumes with water. Avoid inhaling any combustion products. Do not spray water directly on burning oil. Use water fog to cool fire-exposed containers. Containers may be cooled with water or removed completely if this can be done without risk.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Turn off engines and eliminate all sources of ignition or flammables. Ensure adequate ventilation. Avoid inhalation of vapours. Avoid contact with skin and eyes. Wear suitable protective equipment and clothing, see Section 8.

6.2 Environmental precautions

Do not allow to enter drain, sewers or surrounding environment/watercourses.

6.3 Methods and materials for containment and cleaning up

Secure the contaminated area with warning signs and exclude unauthorised persons from the area. Soak up small spills with inert absorbent material, such as sand or dry earth. Contain spillages in sealed containers. Clean up with plenty of water. Spillages and contaminated material must be disposed of in accordance with the instructions in Section 13.

6.4 Reference to other sections

See Sections 8 and 13 for information on protective equipment and waste disposal.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Ensure good ventilation. Avoid inhalation and contact with skin and eyes. Do not eat, drink or smoke when handling this product. Wash hands thoroughly during breaks and at the end of the workday. Avoid the generation of mists.

7.2 Conditions for safe storage, including any incompatibilities

Store in tightly closed containers in dry, temperate, adequately ventilated premises. Protect from heat and direct sunlight.

7.3 Specific end uses

See EWC code under Section 13.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

The product does not contain any components with hygienic limit values in accordance with AFS 2011:18

Source: Health and Safety Executive EH40/2005 Workplace exposure limits (Second edition, published 2011). Published by the Health and Safety Executive

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PNEC: No data available.

DNEL: No data available.

8.2 Exposure controls

8.2.2 Personal protection equipment

Respiratory protection	In the event of risk of exposure to vapours/mists, use protective respiratory equipment with A (brown) filters.
Protective equipment: Hands	Protective gloves as recommended in Standard EN 420, CE category 1, can be worn when performing low-risk work. Wear gloves made of nitrile rubber or other oil-impervious material.
Protective equipment: Face	Wear protective goggles or face shield Standard EN 166 when there is a risk of contact.
Protective clothing	Protective clothing must be worn when there is a risk of skin contact. Wear the recommended CE marked protective clothing.
Hygiene measures	Do not eat, drink, smoke or use snuff in places where this product is being handled. Remove all contaminated clothing. Wash hands and/or face before breaks and at the end of work shifts. At the end of a work shift, the skin must be washed and protective skin cream applied.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Form	Liquid
Colour	Amber coloured
Odour	Of petroleum
Boiling point	> 150°C
Flash point	72°C (Closed cup)
Ignition temp.	> 200°C
Decomposition temp.	> 100°C
Density	0.82 g/cm ³
Viscosity	< 7 CSt
Vapour density (air=1)	> 1
Solubility in water	Insoluble
Solubility	Hydrocarbons

9.2 Other information

None

10. STABILITY AND REACTIVITY

10.1 Reactivity

Product is stable under normal use and storage conditions.

10.2 Chemical stability

Stable under recommended use and storage conditions.

10.3 Possibility of hazardous reactions

At temperatures above 100°C the product may decompose exothermically releasing heat and gases/vapours.

10.4 Conditions to avoid

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Avoid heat.

10.5 Incompatible materials

Strong oxidising substances, acids and alkalis.

10.6 Hazardous decomposition products

Thermal decomposition or combustion may liberate fumes, carbon monoxide and other hazardous decomposition products.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

11.1.1 Acute toxicity

Polypropylene glycol:

LD₅₀ Rat oral: 2150 mg/kg body weight (no acute toxicity)

LD₅₀ Rabbit dermal: >10000 mg/kg body weight (no acute toxicity)

Kerosene (petroleum), hydrodesulfurized:

LD₅₀ Rat oral: >5000 mg/kg body weight (no acute toxicity)

LC₅₀ Rat inhalation 4h: >5,2 mg/l (hazardous when inhaled)

LD₅₀ Rabbit dermal: >2000 mg/kg body weight (no acute toxicity)

When swallowed, there is a risk of a small amount aspirating into the trachea (known as aspiration) causing severe chemical pneumonia. Similar risk exists when vomiting any oil swallowed.

Solvent naphtha (petroleum), heavy aromatic:

LD₅₀ Rat oral: 7050 mg/kg body weight (no acute toxicity)

LC₅₀ Rat inhalation 4h: >0,17 mg/l (highly toxic when inhaled)

LD₅₀ Rabbit dermal: >3160 mg/kg body weight (no acute toxicity)

The critical effects of professional exposure to solvent naphtha are the effects on the central nervous system and as an irritant to the mucous membranes. Chronic toxic brain damage has been reported on painters with an average level of 40 ppm over a period of 22 years. They had also been exposed to other solvents and high exposure peaks.

Skin contact with solvent naphtha in liquid form may act as a defatting agent on skin, cause skin irritation or contact dermatitis (eczema).

High content of aromatics may be more of an irritant to the mucous membranes than solvent naphtha with a low level of aromatics. (A&H 2006:9)

Corrosive/irritant to skin

May cause dryness and cracking of in skin. No evidence of corrosive properties.

Respiratory or skin sensitisation

No known sensitising effects.

Toxicity with repeated contact

No evidence of toxicity with repeated contact.

Carcinogenicity

The substance has no evidence of carcinogenic properties.

Mutagenicity

No evidence of mutagenicity.

Reproductive toxicity

Product is not known to cause any reproductive harm.

11.1.8 Interactive effects

No known interactive effects.

11.1.11 Availability of specific data

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There are no data on the toxicity of this product as a whole.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Polypropylene glycol:

LC₅₀ Fish 96h: 650 mg/l Species: Menidia audens (not harmful)

Kerosene (petroleum), hydrodesulfurized:

LC₅₀ Fish 96h: 45 mg/l Species: Pimephales promelas (harmful)

Solvent naphtha (petroleum), heavy aromatic:

LC₅₀ Fish 96h: 2.34 mg/l Species: Oncorhynchus mykiss (toxic)

EC₅₀ Daphnia 48h: 0.95 mg/l Species: D. magna (highly toxic)

IC₅₀ Diatom 72h: 2.5 mg/l Species: Skeletonema costatum (toxic)

12.2 Persistence and degradability

Solvents are thought to be biodegradable.

12.3 Bioaccumulative potential

Potential risk of bioaccumulation of hydrocarbons.

Kerosene (petroleum), hydrodesulfurized BCF: 159 (bioaccumulative)

Solvent naphtha (petroleum), heavy aromatic: BCF: 159 (bioaccumulative)

12.4 Mobility in soil

The product is insoluble in water and is lighter than water.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable

vPvB: Not applicable

12.6 Other adverse effects

No evidence of other adverse effects.

Summary

The preparation is toxic to aquatic organisms and may cause long term adverse effects in the aquatic environment. Do not discharge into sewers or watercourses.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Waste disposal considerations for the product

According to SFS 2001:1063, any unused product is classified as hazardous waste.

Proposed EWC codes:

13 07 01 Fuel oil and diesel

Residual waste

Residual waste is categorised as hazardous waste and must be delivered to licensed contractors.

Contaminated packaging/containers

Packaging containing residues of the product are categorised as hazardous waste.

14. TRANSPORT INFORMATION

14.1 UN-number

UN 3082

14.2 UN proper shipping name

Environmentally hazardous substance, liquid, n.o.s. (Distillates (petroleum), hydrotreated light)

14.3 Transport hazard class(es)

9

14.4 Packing group

III

14.5 Environmental hazards

Yes

14.6 Special precautions for user

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

The product is not intended to be handled in bulk. The product is packed according to the IMDG code.

Other information:

Limited quantities, LQ 7, Maximum 5 L per inner packaging and max 30 kg per tray

ADR/RID: Tunnel restriction code: (E)

IMDG: EmS: F-A, S-F, Flash point: 72 °C



15. REGULATORY INFORMATION

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

Safety Data Sheet and classification according to CLP (Regulation EC No. 1272/2008 and Directive 453/2010/EC, amendment I) and KIFS 2005:7.

15.2 Chemical Safety Assessment

Chemical Safety Assessment has been conducted

16. OTHER INFORMATION

Relevant R-phrases and/H-statements

R10 - Flammable.

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R40 - Limited evidence of a carcinogenic effect

R65 - Harmful: may cause lung damage if swallowed.

R66 - Repeated exposure may cause skin dryness or cracking

R67 - Vapours may cause drowsiness and dizziness.

R38 - Irritating to skin.

R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

EUH066 - Repeated exposure may cause skin dryness or cracking.

H226 - Flammable liquid and vapour.

H351 - Suspected of causing cancer

H336 - May cause drowsiness or dizziness.

H315 - Causes skin irritation

H304 - May be fatal if swallowed and enters airways

H411 - Toxic to aquatic life with long lasting effects.

H412 - Harmful to aquatic life with long lasting effects.

Label elements in accordance with 1999/45/EG



Harmful



**Dangerous
for the
environment**

Risk phrases

R65 Harmful: may cause lung damage if swallowed.

R66 Repeated exposure may cause skin dryness or cracking

R67 Vapours may cause drowsiness and dizziness.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Safety phrases

S2 Keep out of the reach of children.

S23 Do not breathe dust.

S24 Avoid contact with skin.

S36/39 Wear suitable protective clothing and eye/face protection.

S61 Avoid release to the environment. Refer to special instructions/ Safety data sheets.

S62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.