

Lead Substitute 1:1000

Print date: 31.08.2011

Product code: 876

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SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product identifier

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

Details of the supplier of the safety data sheet

Company name:	PRO-TEC Deutschland	
Street:	Großgeschwenda 51	
Place:	D-07330 Probstzella	
Telephone:	+4936735/444-0	Telefax: +4936735/444-44
e-mail:	info@pro-tec-deutschland.com	
Contact person:	Jens Möller, Dipl.-Chem.	
Internet:	www.pro-tec-deutschland.de	

Further Information

Article Number: 6141

SECTION 2: Hazards identification

Classification of the substance or mixture

Indications of danger : Harmful
R-phrases:
Flammable.
Harmful: may cause lung damage if swallowed.

Label elements

Danger symbols: Xn - Harmful



Xn - Harmful

Hazardous components which must be listed on the label

Distillates (petroleum), hydrotreated light, Kerosine - unspecified

R phrases

10 Flammable.
65 Harmful: may cause lung damage if swallowed.

S phrases

02 Keep out of the reach of children.
46 If swallowed, seek medical advice immediately and show this container or label.

SECTION 3: Composition/information on ingredients

Mixtures

Chemical characterization

Petroleum (Gasoline)

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Hazardous components

EC No.	Chemical name	Quantity
CAS No.	Classification	
Index No.	GHS classification	
REACH No.		
265-149-8	Distillates (petroleum), hydrotreated light, Kerosine - unspecified	75 - 80 %
64742-47-8	Xn R65	
649-422-00-2	Asp. Tox. 1; H304	
	carboxylic acid (potassium salt)	15 - 20 %
N/A	Xi R52-36/38	
	Eye Irrit. 2, Skin Irrit. 2, Aquatic Chronic 3; H319 H315 H412	
265-149-8	Distillates (petroleum, gasoline), hydrotreated light	5 - 10 %
64742-47-8	Xn R52-53-65-66	
	Asp. Tox. 1; H304	

Full text of R- and H-phrases: see section 16.

SECTION 4: First aid measures

Description of first aid measures

General information

Move victim to fresh air. Put victim at rest and keep warm.

After inhalation

Move victim to fresh air. Put victim at rest and keep warm.

In case of difficulties of breathing consult physician.

If victim is at risk of losing consciousness, position and transport on their side.

After contact with skin

Take off immediately all contaminated clothing, including underwear and shoes.

After contact with skin, wash immediately with plenty of Water and soap.

Rub in high-fat content cream.

After contact with eyes

Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart.

Consult physician.

After ingestion

Let water be swallowed in little sips (dilution effect). Consult physician.

Most important symptoms and effects, both acute and delayed

Frequently or prolonged contact with skin may cause dermal irritation.

Irritation of eyes: Irritant effect possible.

After ingestion: Harmful: may cause lung damage if swallowed.

Indication of any immediate medical attention and special treatment needed

Warning about danger of aspiration.

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media

Extinguishing powder. Sand. alcohol resistant foam. Carbon dioxide (CO2).

Extinguishing media which must not be used for safety reasons

High power water jet.

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Special hazards arising from the substance or mixture

Formation of decomposition products possible.
In case of fire and/or explosion do not breathe fumes.

Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

Additional information

Cool endangered container in case of fire.
Contaminated fire-fighting water must be collected separately.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

In case of fire: Wear self-contained breathing apparatus.
Keep away from sources of ignition. No smoking.

Environmental precautions

Beat down gas/vapours/mist with water spray.
Do not empty into drains or the aquatic environment.
In case of gas being released or leakage into waters, ground or the drainage system, the appropriate authorities must be informed.

Methods and material for containment and cleaning up

Prevent spreading of spillages (e.g. by oil barrier).
Wipe up with absorbent material (eg. cloth, fleece).

SECTION 7: Handling and storage

Precautions for safe handling

Advice on safe handling

Closed devices. Vapours / aerosols must be extracted by suction immediately at point of origin.
Avoid contact with skin and eyes.

Advice on protection against fire and explosion

Keep away from sources of ignition. No smoking. Take precautionary measures against static discharges.

Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place.

Further information on storage conditions

Packaging materials: metal.

SECTION 8: Exposure controls/personal protection

Control parameters

Exposure controls

Protective and hygiene measures

When using do not eat, drink or smoke.
"Wash hands when done working with material; at breaks, lunch, shift changes, etc."

Respiratory protection

In case of accumulation of fumes/aerosols, provide adequate ventilation.
In case of insufficient ventilation, wear suitable respiratory equipment.

Hand protection

Tested protective gloves are to be worn: Butyl rubber. (EN 374)

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Eye protection

Wear tightly sealed safety glasses against possible splashes into the eyes. (EN 166)

Skin protection

Wear suitable solvent-proof protective clothing according to EN 465.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Physical state: liquid
Colour: transparent
Odour: characteristic

Test method

Changes in the physical state

Boiling point: 145 - 200 °C
Flash point: 35 °C
Lower explosion limits: 0,6 vol. %
Upper explosion limits: 6,5 vol. %
Ignition temperature: > 200 °C
Vapour pressure: 4 hPa
(at 20 °C)
Density (at 20 °C): 0.790 - 0.82 g/cm³
Water solubility: insoluble
(at 20 °C)
Solubility in other solvents: Organic solvents

SECTION 10: Stability and reactivity

Conditions to avoid

Only use material in places where open light, fire and other sources of ignition can be kept away.

Incompatible materials

Oxidizing agents. acid, concentrated. Alkalis (alkalis), concentrated.

Hazardous decomposition products

Carbon monoxide (CO), Carbon dioxide (CO₂).

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

CAS No.	Chemical name				
	Exposure routes	Method	Dose	Species	h
64742-47-8	Distillates (petroleum), hydrotreated light, Kerosine - unspecified				
	Acute oral toxicity	LD50	>15000 mg/kg	rat.	
	Acute dermal toxicity	LD50	3400 mg/kg	rat.	

Irritation and corrosivity

After skin contact: Frequently or prolonged contact with skin may cause dermal irritation.

Irritation of eyes: Irritant effect possible.

After ingestion:

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Harmful: may cause lung damage if swallowed.

SECTION 12: Ecological information

Toxicity

CAS No.	Chemical name			
	Aquatic toxicity	Method	Dose	Species
64742-47-8	Distillates (petroleum), hydrotreated light, Kerosine - unspecified			
	Acute fish toxicity	LC50	10 mg/l	Oncorhynchus mykiss
	Acute algae toxicity	ErC50	4,6 mg/l	Pseudokirchneriella subcapitata
	Acute crustacea toxicity	EC50	10 mg/l	Daphnia magna
N/A	carboxylic acid (potassium salt)			
	Acute fish toxicity	LC50	>100 mg/l	Fish
	Acute algae toxicity	ErC50	>100 mg/l	Algae
	Acute crustacea toxicity	EC50	>100 mg/l	Daphnia magna

Bioaccumulative potential

Swims on the water. Low potential of bio-accumulation.

SECTION 13: Disposal considerations

Waste treatment methods

Advice on disposal

Do not dispose with household waste.
Do not empty into drains or the aquatic environment.
Have to add a Special treatment in compliance with official regulations in contact with approved waste disposal companies and with authorities in charge.
Arrange about the exact waste code with the local waste disposal expert.

Contaminated packaging

Contaminated packing must be completely emptied and can be re-used following appropriate cleaning.
Do not pierce, cut up or weld unclean container. (Explosion hazard.)

SECTION 14: Transport information

Land transport (ADR/RID)

UN number: UN1993
UN proper shipping name: FLAMMABLE LIQUID, N.O.S.
Transport hazard class(es): 3
Packing group: III
Hazard label: 3



Classification code: F1
Special Provisions: 274 601 640E
Limited quantity: 5 L
Transport category: 3
Hazard-no.: 30
Tunnel restriction code: D/E

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Inland waterways transport

UN number: UN1993
UN proper shipping name: FLAMMABLE LIQUID, N.O.S.
Transport hazard class(es): 3
Packing group: III
Hazard label: 3



Classification code: F1
Special Provisions: 274 601 640E
Limited quantity: 5 L

Marine transport

UN number: UN1993
UN proper shipping name: FLAMMABLE LIQUID, N.O.S.
Transport hazard class(es): 3
Packing group: III
Hazard label: 3



Marine pollutant: -
Special Provisions: 223, 274, 955
Limited quantity: 5 L
EmS: F-E, S-E

Air transport

UN/ID number: UN1993
UN proper shipping name: FLAMMABLE LIQUID, N.O.S.
Transport hazard class(es): 3
Packing group: III
Hazard label: 3



Special Provisions: -
Limited quantity Passenger: 10 L
IATA-packing instructions - Passenger: 355
IATA-max. quantity - Passenger: 60 L
IATA-packing instructions - Cargo: 366
IATA-max. quantity - Cargo: 220 L

Environmental hazards

Dangerous for the environment: no

SECTION 15: Regulatory information

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

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EU regulatory information

Additional information

Contains:
> 30 % aliphatic hydrocarbons

National regulatory information

Water contaminating class (D): 2 - water contaminating

SECTION 16: Other information

Full text of R-phrases referred to under sections 2 and 3

- | | |
|-------|---|
| 10 | Flammable. |
| 36/38 | Irritating to eyes and skin. |
| 52 | Harmful to aquatic organisms. |
| 53 | May cause long-term adverse effects in the aquatic environment. |
| 65 | Harmful: may cause lung damage if swallowed. |
| 66 | Repeated exposure may cause skin dryness or cracking. |

Full text of H-Statements referred to under sections 2 and 3

- | | |
|------|--|
| H304 | May be fatal if swallowed and enters airways. |
| H315 | Causes skin irritation. |
| H319 | Causes serious eye irritation. |
| H412 | Harmful to aquatic life with long lasting effects. |

Further Information

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights.
The receiver of our product is singularly responsible for adhering to existing laws and regulations.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)