

**Auto Transmission Flush Ashless**

Print date: 06.10.2011

Product code: 502

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

**Product identifier**

Auto Transmission Flush Ashless

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

**Use of the substance/mixture**

Cleaning agent

**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: 1701, 1702, 1705, 1707

**SECTION 2: Hazards identification**

**Classification of the substance or mixture**

Indications of danger : Harmful  
R-phrases:  
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
Harmful: may cause lung damage if swallowed.  
Vapours may cause drowsiness and dizziness.

**Label elements**

Danger symbols: Xn - Harmful



Xn - Harmful

**Hazardous components which must be listed on the label**

Distillates (petroleum, gasoline), steam-cracked  
Solvent naphtha (petroleum, gasoline), medium aliph., Straight run petroleum (gasoline)  
mixture of hydrocarbons (aromatic) C9-C10  
Extracts (petroleum, gasoline), heavy naphtha solvent

**R phrases**

52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
65	Harmful: may cause lung damage if swallowed.
67	Vapours may cause drowsiness and dizziness.

**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**

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**Chemical characterization**

Detergents, Dispersants	Sum of ingredients:
Anti Friction Components	25 - 60 %
Synthetic agent combinations	
Solvent mixture	
Additives ashless	

**Hazardous components**

EC No.	Chemical name	Quantity
CAS No.	Classification	
Index No.	GHS classification	
REACH No.		
265-194-3	Distillates (petroleum, gasoline), steam-cracked	30 - 35 %
64742-91-2	Xn R65	
	Asp. Tox. 1; H304	
265-191-7	Solvent naphtha (petroleum, gasoline), medium aliph., Straight run petroleum (gasoline)	25 - 30 %
64742-88-7	Xn R65	
	Asp. Tox. 1; H304	
265-199-0	mixture of hydrocarbons (aromatic) C9-C10	15 - 20 %
64742-95-6	Xn, Xi, N R10-37-65-66-67-51-53	
	Flam. Liq. 3, STOT SE 3, Asp. Tox. 1, STOT SE 3, Aquatic Chronic 2; H226 H335 H304 H336 H411	
265-099-7	Extracts (petroleum, gasoline), heavy naphtha solvent	15 - 20 %
64741-98-6	Xn R65	
	Asp. Tox. 1; H304	
265-149-8	Distillates (petroleum, gasoline), hydrotreated light	5 - 10 %
64742-47-8	Xn R10-65	
	Flam. Liq. 3, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H226 H336 H304 H411	
	amine salt of a dialkyl dithio phosphoric acid	5 - 10 %
N/A	N R51-53	
	Aquatic Chronic 2; H411	

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

**SECTION 4: First aid measures**

**Description of first aid measures**

**After inhalation**

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

**After contact with skin**

Take off immediately all contaminated clothing, including underwear and shoes .  
Subsequently wash again with: Water and soap.  
Seek medical attention if problems persist.

**After contact with eyes**

Remove contact lenses.  
Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. After ingestion of absorption substances: Consult physician.

**After ingestion**

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

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Do not induce vomiting.

**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.  
Carbon dioxide (CO<sub>2</sub>).  
alcohol resistant foam.

**Extinguishing media which must not be used for safety reasons**

High power water jet.

**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.  
Beat down gas/vapours/mist with water spray.  
Contaminated fire-fighting water must be collected separately.

**SECTION 6: Accidental release measures**

**Personal precautions, protective equipment and emergency procedures**

Wear a self-contained breathing apparatus and chemical resistant suit.  
Keep away from sources of ignition. No smoking.  
Do not breathe gas/fumes/vapour/spray.

**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**

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).  
Prevent spreading over great surfaces (e.g. by damming or installing oil booms).

**SECTION 7: Handling and storage**

**Precautions for safe handling**

**Advice on safe handling**

Material must only be handled in closed installations or systems. 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.

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Do not store at temperatures over: 50 °C  
Take precautionary measures against static discharges.

### SECTION 8: Exposure controls/personal protection

#### Control parameters

#### Exposure controls

##### **Protective and hygiene measures**

Take off immediately all contaminated clothing  
Do not breathe gas/fumes/vapour/spray.  
Avoid contact with skin and eyes.  
Keep away from food, drink and animal feeding stuffs.  
When using do not eat, drink or smoke.  
"Wash hands when done working with material; at breaks, lunch, shift changes, etc."

##### **Respiratory protection**

Provide for good ventilation, when develop aerosols/mist.  
In case of fire: Wear self-contained breathing apparatus.

##### **Hand protection**

Tested protective gloves are to be worn: NBR (Nitrile rubber). FKM (Fluoroelastomer (Viton)). (EN374)

##### **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: aromatic

#### **Test method**

##### **Changes in the physical state**

Boiling point: 180 - 220 °C  
Flash point: ~63 °C  
Lower explosion limits:  
Upper explosion limits:  
Ignition temperature: > 200 °C  
Vapour pressure: 20 hPa  
(at 20 °C)  
Density (at 20 °C): 0.78 - 0.83 g/cm<sup>3</sup>  
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.  
No decomposition when used as intended.

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**Incompatible materials**

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

**Hazardous decomposition products**

No hazardous decomposition products are known.

**SECTION 11: Toxicological information**

**Information on toxicological effects**

**Acute toxicity**

CAS No.	Chemical name				
	Exposure routes	Method	Dose	Species	h
64742-95-6	mixture of hydrocarbons (aromatic) C9-C10				
	Acute oral toxicity	LD50	>3000 mg/kg	rat.	
	Acute dermal toxicity	LD50	>3160 mg/kg	rat.	
64742-47-8	Distillates (petroleum, gasoline), hydrotreated light				
	Acute oral toxicity	LD50	>15000 mg/kg	rat.	
	Acute dermal toxicity	LD50	3400 mg/kg	rat.	
N/A	amine salt of a dialkyl dithio phosphoric acid				
	Acute oral toxicity	LD50	11300 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.

**Sensitizing effects**

no danger of sensitization.

**SECTION 12: Ecological information**

**Toxicity**

CAS No.	Chemical name				
	Aquatic toxicity	Method	Dose	Species	h
64742-47-8	Distillates (petroleum, gasoline), hydrotreated light				
	Acute fish toxicity	LC50	10 mg/l	Oncorhynchus mykiss	96
	Acute algae toxicity	ErC50	4,6 mg/l	Pseudokirchneriella subcapitata	72
	Acute crustacea toxicity	EC50	10 mg/l	Daphnia magna	48

**Bioaccumulative potential**

Low potential of bio-accumulation.

**Further information**

Do not empty into drains or the aquatic environment.

**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.

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Arrange about the exact waste code with the local waste disposal expert.  
Have to add a Special treatment in compliance with official regulations in contact with approved waste disposal companies and with authorities in charge.

**Contaminated packaging**

Container must be completely emptied.  
Do not pierce, cut up or weld unclean container. (Explosion hazard.)

**SECTION 14: Transport information**

**Land transport (ADR/RID)**

**Other applicable information (land transport)**

Not a hazardous material with respect to transportation regulations.

**Inland waterways transport**

**Other applicable information (inland waterways transport)**

Not a hazardous material with respect to transportation regulations.

**Marine transport**

**Other applicable information (marine transport)**

Not a hazardous material with respect to transportation regulations.

**Air transport**

**Other applicable information (air transport)**

Not a hazardous material with respect to transportation regulations.

**SECTION 15: Regulatory information**

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

**EU regulatory information**

**Additional information**

Contains:  
> 30 % hydrocarbons, aliphatic.  
15 - 30 % hydrocarbons, aromatic.  
5 - 15 % phosphates

**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.
37	Irritating to respiratory system.
51	Toxic to aquatic organisms.
52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
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.
67	Vapours may cause drowsiness and dizziness.

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

H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.



# **Safety Data Sheet**

according to Regulation (EU) No. 1907/2006

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### **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.

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