

SAFETY DATA SHEET

PG411A – PETROL TREATMENT 350ml

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

Product name PG411A– PETROL TREATMENT 350ml
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2. COMPOSITION / INFORMATION ON INGREDIENTS

To people

See point 11 and 15.
 Preparation is classified as hazardous in the sense of directive 1999/45/EC.
 Product is flammable
 Possible build up of flammable vapour/air mixture.
 Harmful: may cause lung damage if swallowed.
 Repeated exposure may cause skin dryness or cracking.

To the environment

See point 12.
 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

3. HAZARDS IDENTIFICATION

Chemical name content %	Symbol Registration number (ECHA)	R-phrases DNEL	EINECS, ELINCS PNEC
Naphtha (petroleum), hydrotreated heavy 80 - 100	Xn	10-65-66	265-150-3
Solvent naphtha (petroleum), heavy arom. 1 -< 2,5	Xn/Xi/N	10-36/38-51-53-65	265-198-5
Naphthalene 0,1 -< 0,25	Xn/N	22-40-50-53	202-049-5
Hydrocarbyl amine 1 - 5		52	

4. FIRST AID MEASURES

Inhalation	Remove person from danger area. Supply person with fresh air and consult doctor according to symptoms. If the person is unconscious, place in a stable side position and consult a doctor.
Eye contact	Remove contact lenses. Wash thoroughly for several minutes using copious water. Seek medical help if necessary.
Skin contact	Wash thoroughly with soap and copious water - remove contaminated clothing immediately. If skin irritation occurs (redness etc.), consult doctor.
Ingestion	Rinse the mouth thoroughly with water. Do not induce vomiting. Consult doctor immediately. Danger of aspiration. In case of vomiting, keep head low so that the stomach content does not reach the lungs. Immediate admittance to a hospital.

Special resources necessary for first aid

n.c.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA CO₂, Extinction powder, Water jet spray, Large fire: Water jet spray, Alcohol resistant foam, Cool container at risk with water.

SPECIAL FIRE FIGHTING PROCEDURES

In case of fire the following can develop:

Oxides of nitrogen

Oxides of carbon

Hydrocarbons

Toxic pyrolysis products.

Explosive vapour/air mixture

Dangerous vapours heavier than air.

In case of spreading near the ground, flashback to distance sources of ignition is possible.

Special protective equipment for fire-fighters

In case of fire and/or explosion do not breathe fumes.

Protective respirator with independent air supply

According to size of fire

Full protection, if necessary

Further information

Dispose of contaminated extinction water according to official regulations

6. ACCIDENTAL RELEASE MEASURES

Refer to point 13. and for personal protection refer to point 8.

Personal precautions	Remove possible causes of ignition - do not smoke. Ensure sufficient supply of air. Avoid inhalation, and contact with eyes or skin. If applicable, caution - risk of slipping.
Environmental precautions	Prevent from entering drainage system. If leakage occurs, dam up. Prevent surface and ground-water infiltration, as well as ground penetration. If accidental entry into drainage system occurs, inform responsible authorities.
Methods for cleaning up	Collect using absorbent material (e.g. Universal binding medium, sand, kieselguhr, sawdust), and dispose of according to point 13. Ensure sufficient supply of air.

7. HANDLING AND STORAGE

HANDLING: See point 6.1 Ensure good ventilation. Avoid inhalation of the vapours. Avoid contact with eyes or skin. Keep away from sources of ignition - Do not smoke. Eating, drinking, smoking, as well as food-storage, is prohibited in

work-room. Observe directions on label and instructions for use. Use working methods according to operating instructions.

STORAGE:

Store product closed and only in original packing. Not to be stored in gangways or stair wells. Solvent resistant floor. Do not store with oxidizing agents.

Special storage conditions:

See point 10. Observe special storage conditions (in Germany, e.g., in accordance with the regulations in the "Betriebsicherheitsverordnung"). Protect from direct sunlight and warming. Store in a well ventilated place. Store in a dry place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name WEL-TWA: 1200 mg/m ³ (normal and branched chain >= C7) (WEL), 600 mg/m ³ (AGW)	Naphtha (petroleum), hydro treated heavy WEL-STEL: 2(II) (AGW) --- BMGV: ---	Content %:80 -100 Other information: ---
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Chemical Name WEL-TWA: 500 mg/m ³ (aromatics) (WEL), 100mg/m ³ (AGW)	Solvent naphtha (petroleum), heavy aroma. WEL-STEL: 2(II) (AGW) BMGV: ---	Content %:1 -<2,5 Other information: ---
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Chemical Name WEL-TWA: 10 ppm (50 mg/m ³) (EC)	Naphthalene WEL-STEL: --- --- BMGV: ---	Content %:0,1 -< 0,25 Other information: ---
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WEL-TWA = Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted average) reference period)
EH40. AGW = "Arbeitsplatzgrenzwert" (workplace limit value, Germany). | WEL-STEL = Workplace Exposure Limit - Short-term exposure limit (15-minute reference period). | BMGV = Biological monitoring guidance value EH40. BGW = "Biologischer Grenzwert" (biological limit value, Germany) | Other information: Sen = Capable of causing occupational asthma. Sk = Can be absorbed through skin. Carc = Capable of causing cancer and/or heritable genetic damage.
** = The exposure limit for this substance is repealed through the TRGS 900 (Germany) of January 2006 with the goal of revision.

Exposure controls :

Occupational exposure: Ensure good ventilation. This can be achieved by local suction or general air extraction. If this is insufficient to maintain the concentration under the WEL or AGW values, suitable breathing protection should be worn. Applies only if maximum permissible exposure values are listed here. General hygiene measures for the handling of chemicals are applicable. Wash hands before breaks and at end of work. Keep away from food, drink and animal feedingstuffs.

Respiratory protection: If OES or MEL is exceeded. Gas mask filter A (EN 14387) At high concentrations: Respiratory protection appliance (insulation device) (e.g. EN 137 or EN 138) Observe wearing time limitations for respiratory protection equipment.

Hand protection: Solvent resistant protective gloves (EN 374). If applicable: Protective nitrile gloves (EN 374) Protective Neopren gloves (EN 374). Protective hand cream recommended.

Eye protection: Tight fitting protective goggles with side protection (EN 166).

Skin protection: Protective working garments (e.g. safety shoes EN 344, long-sleeved protective working garments). Additional information on hand protection - No tests have been performed. Selection made for preparations according to the best available knowledge and information on the ingredients. Selection of materials derived from glove manufacturer's indications. Final selection of glove material must be made taking the breakthrough times, permeation rates and degradation into account. Selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to manufacturer.

In the case of preparations the resistance of glove materials cannot be calculated in advance so it has to be tested before use. The exact breakthrough time of the glove material can be requested from the protective glove manufacturer and must be observed.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid
Colour:	Clear, Colourless
Odour:	Characteristic
pH-value undiluted:	Not detected
Boiling point/boiling range (°C):	Not specified
Melting point/melting range (°C):	Not detected
Flash point (°C):	~ 40
Autoflammability:	No
Minimum limit of explosion:	0,6 Vol% *
Maximum limit of explosion:	7,0 Vol% *
Product is not explosive.	
Possible build up of explosive/highly flammable vapour/air mixture.	
Vapour pressure:	Not detected
Density (g/ml):	0,775 g/cm ³
Water solubility:	Insoluble
Vapour density (air = 1):	Not detected
Viscosity:	< 7 mm ² /s (40°C)

* Naphtha (petroleum), hydrotreated heavy

10. STABILITY AND REACTIVITY

Conditions to avoid See point 7
Stable when handled and stored correctly.
Heating, open flame, ignition sources

Materials to avoid
Avoid contact with strong oxidizing agents.
Avoid contact with strong alkalis.

Hazardous decomposition products
No decomposition when used as directed

11. TOXICOLOGICAL INFORMATION

Acute toxicity and immediate effects

Ingestion, LD50 rat oral (mg/kg):	See point 15.
Inhalation, LC50 rat inhal.(mg/l/4h):	n.av.
Skin contact, LD50 rat dermal (mg/kg):	See point 15.
Eye contact:	n.av.

Delayed and chronic effects

Sensitization:	n.c.
Carcinogenicity:	n.c.
Mutagenicity:	n.c.
Reproductive toxicity:	n.c.
Narcosis:	n.c.

Further information

The product was not tested.

Classification according to calculation procedure.

The following may occur:	Irritation of the eyes
With long-term contact:	Product removes fat. Dermatitis (skin inflammation)
Ingestion:	Gastrointestinal disturbances
Danger of aspiration.	Lung damage. Oedema of the lungs
Inhalation:	Irritation of the respiratory tract. Dizziness. Headaches
	Effects/damages the central nervous system
	Unconsciousness

12. ECOLOGICAL INFORMATION

The product was not tested.

Water hazard class (Germany):	1
Self classification:	Yes (VwVwS)
Persistence and degradability:	Readily biodegradable *
Behaviour in sewage plants:	Isolate as much as possible with an oil separator.
According to the recipe, contains no AOX.	
Aquatic toxicity:	See point 2.
Ecological toxicity:	n.av.
Mobility:	n.av.
Accumulation:	Concentration in organisms possible.
* Naphtha (petroleum), hydrotreated heavy	

13. DISPOSAL CONSIDERATIONS

for the material / preparation / residue

EC disposal code no.:

The waste codes are recommendations based on the scheduled use of this product. Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances. (2001/118/EC, 2001/119/EC, 2001/573/EC)

07 01 04 other organic solvents, washing liquids and mother liquors

14 06 03 other solvents and solvent mixes

Recommendation:

Pay attention to local and national official regulations

Implement substance recycling.

E.g. suitable incineration plant.

Do not dispose of with household waste.



for contaminated packing material

See point 13.1

Pay attention to local and national official regulations

Empty container completely.

Uncontaminated packaging can be recycled.

Dispose of packaging that cannot be cleaned in the same manner as the substance.

Residues may present a risk of explosion.

14. TRANSPORT INFORMATION

General statements

UN-Number: 3295

Road/Rail-transport (ADR/RID)

Class/packing group: 3/III

UN 3295 HYDROCARBONS, LIQUID, N.O.S.

Classification code: F1

LQ: 7

Transport by sea

IMDG-code: 3/III (class/packing group)

EmS: F-E, S-D

Marine Pollutant: n.a

HYDROCARBONS, LIQUID, N.O.S.

Transport by air

IATA: 3/-/III (class/secondary danger/packing group)

Hydrocarbons, liquid, n.o.s.

Additional information:

Danger code and packing code on request.

15. REGULATORY INFORMATION

Classification according to Dangerous Product Regulations incl. EC Directives (67/548/EEC and 1999/45/EC)

Symbols: Xn

Indications of danger: Harmful

R-phrases: 10 Flammable.

52/53 Harmful to aquatic organisms, 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.

S-phrases:

23.f Do not breathe vapour/spray.

24 Avoid contact with skin.

35 This material and its container must be disposed of in a safe way.

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

Additions:

Naphtha (petroleum), hydrotreated heavy

Observe restrictions: Yes

Observe youth employment law (German regulation).

Observe law on protection of expectant mothers (German regulation).

Observe restrictive guidelines 76/769/EEC, 1999/51/EC, 1999/77/EC

VOC (1999/13/EC): ~ 97,65%



16. OTHER INFORMATION

These details refer to the product as it is delivered.

Storage class VCI (Germany): 3 A

Revised points: n.a.

The following phrases represent the prescribed R-phrases for the ingredients (designated in point 3).

10 Flammable.

65 Harmful: may cause lung damage if swallowed.

65 Also harmful: may cause lung damage if swallowed.

66 Repeated exposure may cause skin dryness or cracking.

36/38 Irritating to eyes and skin.
51 Toxic to aquatic organisms.
53 May cause long-term adverse effects in the aquatic environment.
22 Harmful if swallowed.
22 Also harmful if swallowed.
40 Limited evidence of a carcinogenic effect.
50 Very toxic to aquatic organisms.
52 Harmful to aquatic organisms.

LEGEND

n.a. = not applicable / n.v., k.D.v. = n.av. = not available / n.g. = n.c. = not checked

WEL = Workplace Exposure Limit EH40, TWA = Long-term exposure limit (8-hour TWA (= time weighted average) reference period), STEL = Short-term exposure limit (15-minute reference period) / BMGV = Biological monitoring guidance value EH40

AGW = "Arbeitsplatzgrenzwert" (workplace limit value, Germany) / BGW = "Biologischer Grenzwert" (biological limit value, Germany)

VbF = Regulations for flammable liquids (Austria)

WGK = water hazard class (Germany) - WGK 3 = very hazardous, WGK 2 = hazardous, WGK 1 = slightly hazardous to water

VOC = Volatile organic compounds / AOX = Adsorbable organic halogen compounds

VwVwS = Administrative Order relating to substances hazardous to water (Germany)

The statements made here should describe the product with regard to the necessary safety precautions - they are not meant to guarantee definite characteristics - but they are based on our present up-to-date knowledge.

No responsibility.