

**903 Penetrating Oil+ 400ml HT2**

Revision: 18.02.2026

Product code: 1108542

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

903 Penetrating Oil+ 400ml HT2

UFI: 20Y9-R0VS-H00H-HR40

**1.2. Relevant identified uses of the substance or mixture and uses advised against****Use of the substance/mixture**

rust remover

**1.3. Details of the supplier of the safety data sheet**

Company name: TUNAP GmbH & Co. KG  
Street: Buergermeister-Seidl-Strasse 2  
Place: D-82515 Wolfratshausen  
Telephone: +49 (0) 8171/1600-0 Telefax: +49 (0) 8171/1600-40  
E-mail: sdb@tunap.com  
Internet: www.tunap.com

**1.4. Emergency telephone number:** 111 NHS (National Health Service)

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Regulation (EC) No 1272/2008**

Aerosol 1; H222-H229  
Skin Irrit. 2; H315  
STOT SE 3; H336  
Asp. Tox. 1; H304  
Aquatic Chronic 3; H412

Full text of hazard statements: see SECTION 16.

**2.2. Label elements****Regulation (EC) No 1272/2008****Hazard components for labelling**

Hydrocarbons, C7-C9, iso-alkanes

**Signal word:** Danger**Pictograms:****Hazard statements**

H222 Extremely flammable aerosol.  
H229 Pressurised container: May burst if heated.  
H315 Causes skin irritation.  
H336 May cause drowsiness or dizziness.  
H412 Harmful to aquatic life with long lasting effects.

**Precautionary statements**

P102 Keep out of reach of children.  
P101 If medical advice is needed, have product container or label at hand.  
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P211 Do not spray on an open flame or other ignition source.



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P251	Do not pierce or burn, even after use.
P260	Do not breathe Aerosol.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves and eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of water.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P304+P312	IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P501	Dispose of contents/container according to the official regulations.

**2.3. Other hazards**

In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop.

**SECTION 3: Composition/information on ingredients****3.2. Mixtures****Relevant ingredients**

CAS No	Chemical name	Quantity		
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			
75-28-5	isobutane			25 - < 50 %
	200-857-2	601-004-00-0	01-2119485395-27	
	Flam. Gas 1, Press. Gas (Liq.); H220 H280			
74-98-6	propane			25 - < 50 %
	200-827-9	601-003-00-5	01-2119486944-21	
	Flam. Gas 1, Press. Gas (Liq.); H220 H280			
64741-66-8	Hydrocarbons, C7-C9, iso-alkanes			10 - < 20 %
	921-728-3		01-2119471305-42	
	Flam. Liq. 2, Skin Irrit. 2, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H225 H315 H336 H304 H411			
1809-14-9	dioctyl phosphonate			< 0.1 %
	217-315-6		01-2120792463-47	
	Eye Irrit. 2, Aquatic Acute 1, Aquatic Chronic 2; H319 H400 H411			
68187-67-7	Amines, C12-14 alkyl, iso-octyl phosphates			< 0.1 %
	269-119-5			
	Acute Tox. 4, Acute Tox. 4, Skin Corr. 1C, Eye Dam. 1, Aquatic Acute 1, Aquatic Chronic 2; H312 H302 H314 H318 H400 H411			

Full text of H and EUH statements: see section 16.

**Specific Conc. Limits, M-factors and ATE**

CAS No	EC No	Chemical name	Quantity	
	Specific Conc. Limits, M-factors and ATE			
64741-66-8	921-728-3	Hydrocarbons, C7-C9, iso-alkanes	10 - < 20 %	
	inhalation: LC50 = > 21 mg/l (vapours); inhalation: LC50 = >9,4 mg/l (dusts or mists); dermal: LD50 = > 2200 - 2500 mg/kg; oral: LD50 = > 7100 - 7800 mg/kg			
1809-14-9	217-315-6	dioctyl phosphonate	< 0.1 %	
	dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 2000 mg/kg Aquatic Acute 1; H400: M=10			
68187-67-7	269-119-5	Amines, C12-14 alkyl, iso-octyl phosphates	< 0.1 %	
	dermal: ATE = 1100 mg/kg; oral: ATE = 500 mg/kg			

**Labelling for contents according to Regulation (EC) No 648/2004**

>= 30 % aliphatic hydrocarbons.



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#### SECTION 4: First aid measures

##### 4.1. Description of first aid measures

###### General information

First aider: Pay attention to self-protection! Remove persons to safety. Never give anything by mouth to an unconscious person or a person with cramps.

###### After inhalation

Remove person to fresh air and keep comfortable for breathing. In all cases of doubt, or when symptoms persist, seek medical advice.

###### After contact with skin

Wash with plenty of water and soap. Take off immediately all contaminated clothing and wash it before reuse. In all cases of doubt, or when symptoms persist, seek medical advice.

###### After contact with eyes

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. In case of troubles or persistent symptoms, consult an ophthalmologist.

###### After ingestion

Do NOT induce vomiting. Observe risk of aspiration if vomiting occurs. Call a physician in any case!

##### 4.2. Most important symptoms and effects, both acute and delayed

Headache, nausea, dizziness, fatigue, skin irritation

##### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically. Call a POISON CENTER. Symptoms can occur only after several hours.

#### SECTION 5: Firefighting measures

##### 5.1. Extinguishing media

###### Suitable extinguishing media

Water fog. Foam. Carbon dioxide (CO<sub>2</sub>). Extinguishing powder.

###### Unsuitable extinguishing media

Full water jet

##### 5.2. Special hazards arising from the substance or mixture

Incomplete combustion and thermolysis gases of different toxicity can occur. In the case of hydrocarbonaceous products such as CO, CO<sub>2</sub>, aldehydes and soot. These can be very dangerous if they are inhaled in high concentrations or in enclosed spaces.

##### 5.3. Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Move undamaged containers from immediate hazard area if it can be done safely. In case of fire: Wear self-contained breathing apparatus.

###### Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

#### SECTION 6: Accidental release measures

##### 6.1. Personal precautions, protective equipment and emergency procedures

###### General advice

Wear breathing apparatus if exposed to vapours/dusts/aerosols. Remove all sources of ignition. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Wear personal protection equipment.

###### For non-emergency personnel

First aider: Pay attention to self-protection!

###### For emergency responders

Fight fire with normal precautions from a reasonable distance.

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**6.2. Environmental precautions**

Do not allow to enter into surface water or drains. Prevent spread over a wide area (e.g. by containment or oil barriers). Ensure all waste water is collected and treated via a waste water treatment plant.

**6.3. Methods and material for containment and cleaning up****For containment**

Prevent spread over a wide area (e.g. by containment or oil barriers).

**For cleaning up**

Clean contaminated articles and floor according to the environmental legislation.

**Other information**

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Clean contaminated articles and floor according to the environmental legislation.

**6.4. Reference to other sections**

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

**SECTION 7: Handling and storage****7.1. Precautions for safe handling****Advice on safe handling**

Observe instructions for use.

Dust must be exhausted directly at the point of origin. Vapours/aerosols must be exhausted directly at the point of origin. If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means.

When using do not eat, drink, smoke, sniff.

Wear personal protection equipment (refer to section 8).

In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop.

**Advice on protection against fire and explosion**

Keep away from sources of ignition - No smoking. Heating causes rise in pressure with risk of bursting.

**Advice on general occupational hygiene**

Avoid exposure. Wear suitable protective clothing. Draw up and observe skin protection programme.

**Further information on handling**

Avoid contact with skin and eyes.

**7.2. Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

Keep container tightly closed. Observe legal regulations and provisions.

**Hints on joint storage**

Do not store together with: Oxidizing agents. Pyrophoric or self-heating substances. Food and feedingstuffs.

**Further information on storage conditions**

Protect from frost. Protect from direct sunlight. Store in a cool dry place. Observe legal regulations and provisions.

**7.3. Specific end use(s)**

No information available.

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters**



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**DNEL/DMEL values**

CAS No	Substance	Exposure route	Effect	Value
64741-66-8	Hydrocarbons, C7-C9, iso-alkanes			
Worker DNEL, long-term		inhalation	systemic	2035 mg/m <sup>3</sup>
Worker DNEL, long-term		dermal	systemic	773 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	608 mg/m <sup>3</sup>
Consumer DNEL, long-term		dermal	systemic	699 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	699 mg/kg bw/day
1809-14-9	dioctyl phosphonate			
Worker DNEL, long-term		inhalation	systemic	4,9 mg/m <sup>3</sup>
Worker DNEL, long-term		dermal	systemic	1,4 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	0,75 mg/m <sup>3</sup>
Consumer DNEL, long-term		dermal	systemic	0,5 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	0,5 mg/kg bw/day

**PNEC values**

CAS No	Substance	Value
1809-14-9	dioctyl phosphonate	
Freshwater		0,00287 mg/l
Freshwater (intermittent releases)		0,0287 mg/l
Marine water		0,000287 mg/l
Freshwater sediment		33,4 mg/kg
Marine sediment		3,34 mg/kg
Micro-organisms in sewage treatment plants (STP)		1 mg/l
Soil		6,66 mg/kg

**Additional advice on limit values**

- a no restriction
- b End of exposure or end of shift
- c at long-term exposure:
- d before next shift

blood (B)  
Urine (U)

**8.2. Exposure controls****Appropriate engineering controls**

If handled uncovered, arrangements with local exhaust ventilation have to be used.

**Individual protection measures, such as personal protective equipment****Eye/face protection**

Suitable eye protection: Tightly sealed safety glasses.  
EN 166

**Hand protection**

Protect skin by using skin protective cream. When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.

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Suitable material: NBR (Nitrile rubber) Breakthrough time: 480min

Thickness of the glove material 0,45 mm

EN ISO 374

**Skin protection**

Wear suitable protective clothing. Take off immediately all contaminated clothing and wash it before reuse.

**Respiratory protection**

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

When exceeding the relevant workplace exposure limits, note the following:

Suitable respiratory protective equipment: Combination filter device (DIN EN 141)..

Filtering device with filter or ventilator filtering device of type: AX

Observe the wear time limits as specified by the manufacturer.

Observe legal regulations and provisions.

**Environmental exposure controls**

Observe legal regulations and provisions.

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

Physical state:	liquid
Colour:	white
Odour:	characteristic

	Test method
Melting point/freezing point:	not determined
Boiling point or initial boiling point and boiling range:	not determined
Flammability:	not determined
Lower explosion limits:	0,7 vol. %
Upper explosion limits:	10,8 vol. %
Flash point:	-80 °C
Auto-ignition temperature:	not determined
Decomposition temperature:	not determined
pH-Value (at 20 °C):	not determined DIN 19268
Viscosity / kinematic: (at 40 °C)	< 20,5 mm <sup>2</sup> /s
Water solubility:	easily soluble
Solubility in other solvents not determined	
Partition coefficient n-octanol/water:	not determined
Vapour pressure:	not determined
Density (at 20 °C):	0,7665 g/cm <sup>3</sup> DIN 51757
Relative vapour density:	not determined
Particle characteristics:	not applicable

**9.2. Other information****Information with regard to physical hazard classes****Explosive properties**

Heating may cause an explosion.

**Oxidizing properties**

The product is not: oxidising.

**Further Information**

Data apply to technical substance: Relative density, Colour, Odour, Viscosity, pH.

**SECTION 10: Stability and reactivity**



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**10.1. Reactivity**

Extremely flammable aerosol. Pressurized container: May burst if heated.

**10.2. Chemical stability**

The product is stable under storage at normal ambient temperatures.

**10.3. Possibility of hazardous reactions**

No known hazardous reactions.

**10.4. Conditions to avoid**

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. Vapours can form explosive mixtures with air.

**10.5. Incompatible materials**

Oxidizing agents. Pyrophoric or self-heating substances.

**10.6. Hazardous decomposition products**

Incomplete combustion and thermolysis gases of different toxicity can occur. In the case of hydrocarbonaceous products such as CO, CO<sub>2</sub>, aldehydes and soot. These can be very dangerous if they are inhaled in high concentrations or in enclosed spaces.

**Further information**

Do not mix with other chemicals.

**SECTION 11: Toxicological information****11.1. Information on hazard classes****Toxicokinetics, metabolism and distribution**

There are no data available on the mixture itself.

**Acute toxicity**

Based on available data, the classification criteria are not met.

**ATEmix calculated**

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
64741-66-8	Hydrocarbons, C7-C9, iso-alkanes				
	oral	LD50 > 7100 - 7800 mg/kg	Rat	Study report (1961)	OECD Guideline 401
	dermal	LD50 > 2200 - 2500 mg/kg	Rabbit	Study report (1961)	Standard acute method, applying 4 differ
	inhalation (4 h) vapour	LC50 > 21 mg/l	Rat	Study report (1985)	OECD Guideline 403
	inhalation (4 h) dust/mist	LC50 >9,4 mg/l	Rat		
1809-14-9	dioctyl phosphonate				
	oral	LD50 > 2000 mg/kg	Rat	Study report (1994)	Exploratory acute oral study on rats: th
	dermal	LD50 > 2000 mg/kg	Rat	Study report (1994)	OECD Guideline 402
68187-67-7	Amines, C12-14 alkyl, isoocetyl phosphates				
	oral	ATE 500 mg/kg			
	dermal	ATE 1100 mg/kg			



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### **Irritation and corrosivity**

Skin corrosion/irritation: Causes skin irritation.

Serious eye damage/eye irritation: Based on available data, the classification criteria are not met.

### **Sensitising effects**

Based on available data, the classification criteria are not met.

### **Carcinogenic/mutagenic/toxic effects for reproduction**

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Reproductive toxicity: Based on available data, the classification criteria are not met.

No indication of human carcinogenicity.

No indications of human germ cell mutagenicity exist.

No indications of human reproductive toxicity exist.

### **STOT-single exposure**

May cause drowsiness or dizziness. (Hydrocarbons, C7-C9, iso-alkanes)

### **STOT-repeated exposure**

Based on available data, the classification criteria are not met.

### **Aspiration hazard**

May be fatal if swallowed and enters airways.

### **Information on likely routes of exposure**

Ingestion, Inhalation, Skin contact, Eye contact.

Reference to other sections: 2.1, 4.2.

### **Specific effects in experiment on an animal**

No information available.

## **11.2. Information on other hazards**

### **Endocrine disrupting properties**

This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.

### **Other information**

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

## **SECTION 12: Ecological information**

### **12.1. Toxicity**

Harmful to aquatic life with long lasting effects.

Harmful to aquatic life with long lasting effects.



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CAS No	Chemical name						
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method	
64741-66-8	Hydrocarbons, C7-C9, iso-alkanes						
	Acute fish toxicity	LL50 mg/l	> 13,4	96 h	Oncorhynchus mykiss	REACH Registration Dossier	OECD Guideline 203
	Acute algae toxicity	ErC50	12 mg/l	72 h	Raphidocelis subcapitata	REACH Registration Dossier	OECD Guideline 201
	Acute crustacea toxicity	EL50 mg/l	ca. 2,4	48 h	Daphnia magna	Publication (1986)	other: As described in: The evaluation o
	Fish toxicity	NOEC mg/l	0,778	28 d	Oncorhynchus mykiss	CONCAWE, Brussels, Belgium (2009)	QSAR
	Crustacea toxicity	NOEC	1 mg/l	21 d	Daphnia magna	REACH Registration Dossier	OECD Guideline 211
1809-14-9	dioctyl phosphonate						
	Acute fish toxicity	LC50 mg/l	ca. 6,8	96 h	Danio rerio	Study report (1994)	EU Method C.1
	Acute algae toxicity	ErC50 mg/l	18,4	72 h	Desmodesmus subspicatus	Study report (2017)	OECD Guideline 201
	Acute crustacea toxicity	EC50 mg/l	ca. 2,87	48 h	Daphnia magna	Study report (2017)	OECD Guideline 202
	Acute bacteria toxicity	EC50 mg/l ( )	> 100	3 h	Activated sludge	Study report (1994)	other: 87/302 EEC page 118-122

**12.2. Persistence and degradability**

The product has not been tested.

**12.3. Bioaccumulative potential**

The product has not been tested.

**Partition coefficient n-octanol/water**

CAS No	Chemical name	Log Pow
75-28-5	isobutane	2,8
74-98-6	propane	2,36
64741-66-8	Hydrocarbons, C7-C9, iso-alkanes	4,5
1809-14-9	dioctyl phosphonate	ca. 6,13

**BCF**

CAS No	Chemical name	BCF	Species	Source
64741-66-8	Hydrocarbons, C7-C9, iso-alkanes	198,7	Mytilus edulis	REACH Registration D

**12.4. Mobility in soil**

The product has not been tested.

**12.5. Results of PBT and vPvB assessment**

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.

The product has not been tested.

**12.6. Endocrine disrupting properties**

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

**12.7. Other adverse effects**



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No information available.

**Further information**

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Disposal recommendations**

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation.

**List of Wastes Code - residues/unused products**

160504 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; gases in pressure containers (including halons) containing hazardous substances; hazardous waste

**List of Wastes Code - used product**

160504 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; gases in pressure containers (including halons) containing hazardous substances; hazardous waste

**List of Wastes Code - contaminated packaging**

150104 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); metallic packaging

**Contaminated packaging**

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

**SECTION 14: Transport information****Land transport (ADR/RID)**

<b>14.1. UN number or ID number:</b>	UN 1950
<b>14.2. UN proper shipping name:</b>	AEROSOLS
<b>14.3. Transport hazard class(es):</b>	2
<b>14.4. Packing group:</b>	-
Hazard label:	2.1
Classification code:	5F
Special Provisions:	190 327 344 625
Limited quantity:	1 L
Excepted quantity:	E0
Transport category:	2
Tunnel restriction code:	D

**Inland waterways transport (ADN)**

<b>14.1. UN number or ID number:</b>	UN 1950
<b>14.2. UN proper shipping name:</b>	AEROSOLS
<b>14.3. Transport hazard class(es):</b>	2
<b>14.4. Packing group:</b>	-
Hazard label:	2.1
Classification code:	5F
Special Provisions:	190 327 344 625
Limited quantity:	1 L
Excepted quantity:	E0

**Marine transport (IMDG)**

<b>14.1. UN number or ID number:</b>	UN 1950
<b>14.2. UN proper shipping name:</b>	AEROSOLS



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<b>14.3. Transport hazard class(es):</b>	2.1
<b>14.4. Packing group:</b>	-
Hazard label:	2.1
Marine pollutant:	no
Special Provisions:	63 190 277 327 344 381 959
Limited quantity:	1000 mL
Excepted quantity:	E0
EmS:	F-D, S-U
Segregation group:	1 - acids

**Air transport (ICAO-TI/IATA-DGR)**

<b>14.1. UN number or ID number:</b>	UN 1950
<b>14.2. UN proper shipping name:</b>	AEROSOLS, FLAMMABLE
<b>14.3. Transport hazard class(es):</b>	2.1
<b>14.4. Packing group:</b>	-
Hazard label:	2.1
Special Provisions:	A145 A167 A802
Limited quantity Passenger:	30 kg G
Passenger LQ:	Y203
Excepted quantity:	E0
IATA-packing instructions - Passenger:	203
IATA-max. quantity - Passenger:	75 kg
IATA-packing instructions - Cargo:	203
IATA-max. quantity - Cargo:	150 kg

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: No

**14.6. Special precautions for user**

Warning: Flammable gases.

**14.7. Maritime transport in bulk according to IMO instruments**

not applicable

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 28, Entry 29, Entry 40, Entry 75

Directive 2010/75/EU on industrial emissions: No information available.

Directive 2004/42/EC on VOC in paints and varnishes: No information available.

Information according to Directive 2012/18/EU (SEVESO III): P3a FLAMMABLE AEROSOLS

**Additional information**

Aerosol Directive (75/324/EEC).

**National regulatory information**

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).

Water hazard class (D): 1 - slightly hazardous to water

**15.2. Chemical safety assessment**

Chemical safety assessments for substances in this mixture were not carried out.



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#### SECTION 16: Other information

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**Abbreviations and acronyms**

Flam. Gas 1: Flammable gases, hazard category 1  
Aerosol 1: Aerosols, hazard category 1  
Press. Gas (Liq.): Gases under pressure: Liquefied gas  
Flam. Liq. 2: Flammable liquids, hazard category 2  
Acute Tox. 4: Acute toxicity, hazard category 4  
Asp. Tox. 1: Aspiration hazard, hazard category 1  
Skin Corr. 1C: Skin corrosion, sub-category 1C  
Skin Irrit. 2: Skin irritation, hazard category 2  
Eye Dam. 1: Serious eye damage, hazard category 1  
Eye Irrit. 2: Eye irritation, hazard category 2  
STOT SE 3: Specific target organ toxicity - single exposure, hazard category 3  
Aquatic Acute 1: Hazardous to the aquatic environment, hazard category: Acute 1  
Aquatic Chronic 2: Hazardous to the aquatic environment, long-term hazard category: Chronic 2  
Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard category: Chronic 3  
CLP: Classification, labelling and Packaging  
REACH: Registration, Evaluation and Authorization of Chemicals  
GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals  
UN: United Nations  
EC/EEC: European Community/European Economic Community  
EU: European Union  
CAS: Chemical Abstracts Service  
DNEL: Derived No Effect Level  
DMEL: Derived Minimal Effect Level  
PNEC: Predicted No Effect Concentration  
ATE: Acute toxicity estimate  
LC50: Lethal concentration, 50%  
LD50: Lethal dose, 50%  
LL50: Lethal loading, 50%  
EL50: Effect loading, 50%  
EC50: Effective Concentration 50%  
ErC50: Effective Concentration 50%, growth rate  
NOEC: No Observed Effect Concentration  
BCF: Bio-concentration factor  
PBT: persistent, bioaccumulative, toxic  
vPvB: very persistent, very bioaccumulative  
M-factor: Multiplying factor  
ADR: Accord européen sur le transport des marchandises dangereuses par Route  
(European Agreement concerning the International Carriage of Dangerous Goods by Road)  
RID: Regulations concerning the international carriage of dangerous goods by rail  
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
(Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures)  
IMDG: International Maritime Code for Dangerous Goods  
EmS: Emergency Schedules  
MFAG: Medical First Aid Guide  
IATA: International Air Transport Association  
DGR: Dangerous Goods Regulations  
ICAO: International Civil Aviation Organization  
TI: Technical Instructions  
MARPOL: International Convention for the Prevention of Marine Pollution from Ships  
IBC: Intermediate Bulk Container  
SVHC: Substance of Very High Concern  
For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

**Safety Data Sheet****903 Penetrating Oil+ 400ml HT2**

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**Classification for mixtures and used evaluation method**

Classification	Classification procedure
Aerosol 1; H222-H229	On basis of test data
Skin Irrit. 2; H315	Bridging principle "Aerosols"
STOT SE 3; H336	Bridging principle "Aerosols"
Asp. Tox. 1; H304	Calculation method
Aquatic Chronic 3; H412	Calculation method

**Relevant H and EUH statements (number and full text)**

H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
H225	Highly flammable liquid and vapour.
H229	Pressurised container: May burst if heated.
H280	Contains gas under pressure; may explode if heated.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

**Further Information**

The information is based on the present level of our knowledge. It does not, however, give assurance 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 relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*