

SAFETY DATA SHEET**PRF 301**

The safety data sheet is in accordance with Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

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

Date issued	16.11.2016
Revision date	06.08.2021

1.1. Product identifier

Product name	PRF 301
Article no.	PE30122

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

Use of the substance / mixture	Lubricant
Main intended use	PC-TEC-11 Lubricants, greases, release agents

1.3. Details of the supplier of the safety data sheet

Company name	Taerosol Oy
Postal address	Hampuntie 21
Postcode	36220
City	Kangasala
Country	Finland
Telephone number	+358 33565600
Website	www.taerosol.com
Enterprise No.	02847686

1.4. Emergency telephone number

Emergency telephone	Telephone number: 112 / Finnish Poison Information Center: 0800 147 111, 24/7
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SECTION 2: Hazards identification**2.1. Classification of the substance or mixture**

Classification according to Regulation (EC) No 1272/2008 [CLP / GHS]	Aerosol 1; H222 Aerosol 1; H229
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	Skin Irrit. 2; H315
	STOT SE 3; H336
	Aquatic Chronic 2; H411
Additional information on classification	For the full text of the H-statements mentioned in this Section, see Section 16.

2.2. Label elements

Hazard pictograms (CLP)



Composition on the label	Naphtha (petroleum), hydrotreated, light
Signal word	Danger
Hazard statements	H222 Extremely flammable aerosol. H229 Pressurised container: May burst if heated. H315 Causes skin irritation. H336 May cause drowsiness or dizziness. H411 Toxic to aquatic life with long lasting effects.
Precautionary statements	P102 Keep out of reach of children. 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. P251 Do not pierce or burn, even after use. P262 Do not get in eyes, on skin, or on clothing. P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C / 122°F.

2.3. Other hazards

PBT / vPvB	See section 12.5
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SECTION 3: Composition / information on ingredients

3.2. Mixtures

Substance	Identification	Classification	Contents	Notes
Naphtha (petroleum) , hydrotreated, light	CAS No.: 64742-49-0	Flam. Liq. 2; H225 Skin Irrit. 2; H315 STOT SE 3; H336 Asp. Tox. 1; H304 Aquatic Chronic 2; H411	40 - 60 %	
Substance comments	Aerosol propellants: Propane Butane For the full text of the H-statements mentioned in this Section, see Section 16.			

SECTION 4: First aid measures

4.1. Description of first aid measures

General	IF exposed or concerned: Get medical advice/attention. Get medical advice/attention if you feel unwell. Take off contaminated clothing and wash it before reuse.
Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
Skin contact	Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.
Eye contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Ingestion	Rinse mouth. Immediately call a POISON CENTER or doctor/physician.

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

General symptoms and effects	Aspiration hazard if swallowed - can enter lungs and cause damage. Skin irritation Drowsiness Dizziness
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4.3. Indication of any immediate medical attention and special treatment needed

Medical treatment	Treat symptomatically.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Alcohol-resistant foam ABC powder Carbon dioxide (CO ₂)
Improper extinguishing media	Water spray

5.2. Special hazards arising from the substance or mixture

Fire and explosion hazards	Heating may cause an explosion.
Hazardous combustion products	Carbon dioxide (CO ₂) Carbon monoxide (CO)

5.3. Advice for firefighters

Personal protective equipment	Protective equipment and precautions for firefighters In accordance with the requirements of EN 469, firefighter's clothing with a helmet, protective boots and gloves provides a basic level of protection against chemical accidents.
Fire fighting procedures	Use water spray to cool unopened containers. In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	Eliminate all ignition sources if safe to do so. Evacuate area. Stop leak if safe to do so. Ensure adequate ventilation. Avoid inhalation, ingestion and contact with skin and eyes. Use personal protective equipment.
For emergency responders	Use personal protective equipment.

6.2. Environmental precautions

Environmental precautionary measures	Try to prevent the material from entering drains or water courses. Avoid release to the environment.
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6.3. Methods and material for containment and cleaning up

Containment	Prevent further leakage or spillage if safe to do so.
Clean up	Absorb spillage to prevent material damage.
Other information	Non-sparking tools should be used. Pay attention to the spreading of gases especially at ground level (heavier than air) and to the direction of the wind.

6.4. Reference to other sections

Other instructions	See section 7, 8, 13.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Handle in accordance with good industrial hygiene and safety practice. When using, do not eat, drink or smoke. Do not taste or swallow. Wash hands before breaks and immediately after handling the product. Wash clothing before reuse. Remove all sources of ignition. Take precautionary measures against static discharges. Non-sparking tools should be used. Use only outdoors or in a well-ventilated area. Do not breathe vapours/ spray.
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7.2. Conditions for safe storage, including any incompatibilities

Storage	Remove all sources of ignition. Protect from sunlight. Do not expose to temperatures exceeding 50 °C /122 °F. No smoking. Store in a well-ventilated place. Keep container tightly closed. Store locked up. Keep only in original container. Do not store together with oxidizing and self-igniting products. Keep away from oxidising agents and strongly acid or alkaline materials. Keep away from food, drink and animal feedingstuffs.
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7.3. Specific end use(s)

Specific use(s)	None known.
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SECTION 8: Exposure controls / personal protection

8.1. Control parameters

Substance	Identification	Exposure limits	TWA Year
Naphtha (petroleum) , hydrotreated, light	CAS No.: 64742-49-0	Country of origin: FI Limit value (8 h) : 100 mg/ m ³ Recommended monitoring procedures: This information is not available.	

Source: Decree of the Ministry of Social Affairs and Health on concentrations known to be harmful (654/2020)

8.2. Exposure controls

Precautionary measures to prevent exposure

Appropriate engineering controls	See section 7.1, 7.2
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Eye / face protection

Eye protection equipment	<p>Description: Usual safety precautions while handling the product will provide adequate protection against this potential effect. Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.</p> <p>Reference to relevant standard: EN 166</p>
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Hand protection

Breakthrough time	<p>Comments: As the product is a mixture of several substances, the durability of the glove materials cannot be calculated in advance and has to be tested before use. Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact). Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.</p>
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Hand protection equipment	<p>Description: Protective gloves Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. It is good practice in industrial hygiene to avoid contact with solvents by using appropriate protective measures whenever possible.</p> <p>Reference to relevant standard: EN 374, EN 420</p>
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Skin protection

Recommended protective clothing	<p>Description: Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. It is good practice in industrial hygiene to avoid contact with solvents by using appropriate protective measures whenever possible.</p>
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Respiratory protection

Recommended respiratory protection	<p>Description: Do not breathe vapours/spray. Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. Use respirator when performing operations involving potential exposure to vapour of the product. In case of inadequate ventilation wear respiratory protection. The filter class for the respirator must be suitable for the maximum expected contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If this concentration is exceeded, self-contained breathing apparatus must be used.</p> <p>Reference to relevant standard: EN 140, EN 141, EN 149, EN 14387</p>
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Thermal hazards

Thermal hazards	Not applicable.
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Appropriate environmental exposure control

Environmental exposure controls	Try to prevent the material from entering drains or water courses. Discharge into the environment must be avoided.
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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form	Aerosol dispenser: spray aerosol
Colour	clear
Odour	hydrocarbon-like
Odour limit	Reason for waiving data: No data.
pH	Comments: Not applicable.
Melting point / melting range	Value: - 10 °C
Boiling point / boiling range	Value: < - 20 °C
Flash point	Value: < 0 °C
Evaporation rate	Reason for waiving data: No data.
Flammability	Extremely flammable aerosol.
Lower explosion limit with unit of measurement	Reason for waiving data: No data.
Upper explosion limit with units of measurement	Reason for waiving data: No data.
Vapour pressure	Reason for waiving data: No data.
Vapour density	Reason for waiving data: No data.
Relative density	Reason for waiving data: No data.
Solubility	Comments: This information is not available.
Partition coefficient: n-octanol/ water	Reason for waiving data: No data.
Auto-ignition temperature	Reason for waiving data: No data.
Decomposition temperature	Reason for waiving data: No data.
Viscosity	Reason for waiving data: No data.
Explosive properties	This information is not available.
Oxidising properties	This information is not available.

9.2. Other information

Other physical and chemical properties

Physical and chemical properties	This information is not available.
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	This information is not available.
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10.2. Chemical stability

Stability	Stable
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	See section 5.2
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10.4. Conditions to avoid

Conditions to avoid	See section 7.1, 7.2
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10.5. Incompatible materials

Materials to avoid	See section 7.2
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10.6. Hazardous decomposition products

Hazardous decomposition products	See section 5.2
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SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Substance	Naphtha (petroleum), hydrotreated, light
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Acute toxicity	Effect tested: LD50
	Route of exposure: Oral
	Method: OECD 401
	Value: 16750 mg/kg
	Animal test species: Rat
	Effect tested: LD50
	Route of exposure: Dermal
	Method: OECD 402
	Value: 3350 mg/kg
Animal test species: Rabbit	
Effect tested: LC50	
Route of exposure: Inhalation.	
Method: OECD 403	
Duration: 4 hour(s)	
Value: 259000 mg/m ³	
Animal test species: Rat	

Other information regarding health hazards

Assessment of acute toxicity, classification	Based on available data, the classification criteria are not met.
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Assessment of skin corrosion / irritation, classification	Irritating to skin.
Assessment of eye damage or irritation, classification	Based on available data, the classification criteria are not met.
Assessment of respiratory sensitisation, classification	Based on available data, the classification criteria are not met.
Assessment of skin sensitisation, classification	Based on available data, the classification criteria are not met.
Assessment of germ cell mutagenicity, classification	Based on available data, the classification criteria are not met.
Assessment of carcinogenicity, classification	Based on available data, the classification criteria are not met.
Assessment of reproductive toxicity, classification	Based on available data, the classification criteria are not met.
Assessment of specific target organ toxicity - single exposure, classification	May cause drowsiness or dizziness.
Assessment of specific target organ toxicity - repeated exposure, classification	Based on available data, the classification criteria are not met.
Assessment of aspiration hazard, classification	Aspiration hazard if swallowed - can enter lungs and cause damage.

Symptoms of exposure

In case of ingestion	See section 4.2
In case of skin contact	See section 4.2
In case of inhalation	See section 4.2
In case of eye contact	See section 4.2

11.2 Other information

Endocrine disruption	This information is not available.
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SECTION 12: Ecological information

12.1. Toxicity

Substance	Naphtha (petroleum), hydrotreated, light
Aquatic toxicity, fish	<p>Toxicity type: Acute Value: 13,4 mg/l Effect dose concentration: LL50 Test duration: 96 hour(s) Method: QSAR</p> <p>Toxicity type: Chronic Value: 2,99 mg/l Effect dose concentration: NOELR Test duration: 28 day(s) Species: Early-life Stage</p>

	Method: QSAR
Substance	Naphtha (petroleum), hydrotreated, light
Aquatic toxicity, algae	Toxicity type: Acute Value: 9,9 mg/l Effect dose concentration: EL50 Test duration: 72 hour(s) Method: QSAR
Substance	Naphtha (petroleum), hydrotreated, light
Aquatic toxicity, crustacean	Toxicity type: Acute Value: 23,4 mg/l Effect dose concentration: EL50 Test duration: 48 hour(s) Method: QSAR
	Toxicity type: Chronic Value: 5,2 mg/l Effect dose concentration: NOELR Test duration: 21 day(s) Method: QSAR

12.2. Persistence and degradability

Substance	Naphtha (petroleum), hydrotreated, light
Biodegradability	Method: OECD 301F Comments: Rapidly biodegradable.
Substance	Naphtha (petroleum), hydrotreated, light
Abiotic degradation in air	Evaluation: May decompose on exposure to light.

12.3. Bioaccumulative potential

Bioaccumulation, evaluation	This information is not available.
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12.4. Mobility in soil

Mobility	This information is not available.
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12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	This information is not available.
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12.6. Endocrine disrupting properties

Endocrine disrupting properties	This information is not available.
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12.7. Other adverse effects

Additional ecological information	This information is not available.
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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Appropriate methods of disposal for the chemical	Dispose of in accordance with local regulations. Dispose of product residue in accordance with the instructions of the person responsible for waste disposal. Try to prevent the material from entering drains or water courses.
Appropriate methods of disposal for the contaminated packaging	Dispose of contents/container in accordance with local regulation. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not pierce or burn, even after use.
EU Regulations	Directive 2008/98/EC of the European Parliament and of the Council on waste and repealing certain Directives

SECTION 14: Transport information

14.1. UN number

ADR/RID/ADN	1950
IMDG	1950
ICAO/IATA	1950

14.2. UN proper shipping name

Proper shipping name English ADR/RID/ADN	AEROSOLS
ADR/RID/ADN	AEROSOLS
IMDG	AEROSOLS
ICAO/IATA	AEROSOLS, FLAMMABLE

14.3. Transport hazard class(es)

ADR/RID/ADN	2.1
Classification code ADR/RID/ADN	5F
Comments	2.1

14.4. Packing group

Comments	-
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14.5. Environmental hazards

Comments	Toxic to aquatic life with long lasting effects.
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14.6. Special precautions for user

Special safety precautions for user	This information is not available.
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14.7. Maritime transport in bulk according to IMO instruments

Product name	AEROSOLS, FLAMMABLE
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Additional information

Hazard label ADR/RID/ADN	2.1
Hazard label IMDG	2.1
Hazard label ICAO/IATA	2.1

ADR/RID Other information

Tunnel restriction code	D
Limited quantity	1 L
Excepted quantity	E0
Special provisions	190 327 344 625
Transport category	2

ADN Other information

Special provisions	190 327 344 625
Limited quantity	1 L
Excepted quantity	E0

IMDG Other information

EmS	F-D, S-U
Limited quantity	1000 mL
Excepted quantity	E0
Special provisions	63,190, 277, 327, 344, 381,959

ICAO/IATA Other information

Limited quantity	30 kg
Excepted quantity	E0
Special provisions	A145 A165 A802
Additional information ICAO/IATA	Cargo: max. 150 kg (203), Pas.: max. 75 kg (203)

SECTION 15: Regulatory information

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

Legislation and regulations	Council Directive 75/324/EEC on the approximation of the laws of the Member States relating to aerosol dispensers The rules which cover amongst other things the requirement for ventilation, protective clothing, personal protective equipment etc. can be obtained from the National Occupational Health and Safety Board.
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15.2. Chemical safety assessment

Chemical safety assessment performed	No
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SECTION 16: Other information

List of relevant H-phrases (Section 2 and 3)	<p>H222 Extremely flammable aerosol.</p> <p>H225 Highly flammable liquid and vapour.</p> <p>H229 Pressurised container: May burst if heated.</p> <p>H304 May be fatal if swallowed and enters airways.</p> <p>H315 Causes skin irritation.</p> <p>H336 May cause drowsiness or dizziness.</p> <p>H411 Toxic to aquatic life with long lasting effects.</p>
CLP classification, notes	Calculation method.
Training advice	Provide adequate information, instruction and training for operators. Take notice of the directions of use on the label. To avoid risks to man and the environment, comply with the instructions for use.
Key literature references and sources for data	<p>Information taken from reference works and the literature.</p> <p>http://echa.europa.eu</p> <p>http://eur-lex.europa.eu</p>
Information added, deleted or revised	Relevant changes compared to the previous version of the safety data sheet are indicated with verticle lines in the left margin.
Version	3
Comments	The information contained herein is based on the present state of our knowledge and does therefore not guarantee certain properties.