

1. Identification of the substance/preparation and of the company/undertaking

Identification of the substance or preparation

Name of product: NEOVAL® Oil Spray OC

Use of the substance / preparation

Lubricating oil with excellent anti-corrosion effect

Company / undertaking identification

Company name: Alltec GmbH

Street/POB-No.: Stettiner Str. 16

State/city/postal code: D-35410 Hungen

Telephone: *(49) 06402502 43

Telefax: *(49) 0640250 245

Dept. responsible for information:

Telephone: *(49) 0640250243

Emergency telephone

Tox.Informationszentrum Zürich

Telephone: *(0041)01 / 251 51 51

2. Composition/information on ingredients

Chemical characterization (preparation)

Paraffin oil (CAS 8042-47-5)

Corrosion inhibitors

Additives

Propellant

Dangerous ingredients:

CAS-No.	EINECS/ ELINCS	chemical name	Content	Symbol(s)	R-phrase(s)
57855-77-3	260-991-2	Calcium bis(dinonylnaphthalenesulphonate)	1-2 %	Xi	36/38
61789-86-4	263-093-9	Sulfonic acids, petroleum, calcium salts	<= 0.5 %	-	52
106-97-8	203-448-7	n-Butane	20-30 %	F+	12
74-98-6	200-827-9	Propane	20-30 %	F+	12

3. Hazards identification

Classification

Product is classified and labelled according to EC regulations or according to the corresponding national laws.

F+ Extremely flammable

R 12 Extremely flammable.

4. First aid measures

General information: Change contaminated clothing.

After inhalation: Provide fresh air. Seek medical treatment in case of troubles.

After skin contact: Remove residues with soap and water. Do not use solvents or thinners.

After eye contact: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. In case of troubles or persistent symptoms, consult an ophthalmologist.

5. Fire fighting measures

Suitable extinguishing media:

Foam, carbon dioxide

Extinguishing media which must not be used for safety reasons:

High power water jet

Special exposure hazards arising from the preparation itself, combustion products, resulting gases:

In case of fire may form: Sulfur oxides, carbon monoxide and carbon dioxide.

Special protective equipment for fire-fighters:

Wear suitable protective clothing.

6. Accidental release measures

Personal precautions: Provide adequate ventilation.

Wear suitable protective clothing. Keep away from unprotected people.

Environmental precautions:

Do not allow to enter drains, basements or pits.

Methods for cleaning up:

Soak up with absorbent materials such as sand, siliceous earth, acid- or universal binder. Store in special closed containers and dispose of according to ordinance. Thoroughly clean surrounding area.

7. Handling and storage

Handling

Information for safe handling:

Do not heat spray cans over 50°C. Do not open or incinerate, even when empty. Do not spray into flames or on incandescent objects. Provide good ventilation and/or an exhaust system in the work area.

Precautions against fire and explosion:

Do not force spray can open.

Do not heat spray cans over 50°C.

Cool endangered containers with water spray and, as soon as possible, remove from danger zone.

Forms explosive mixtures with air. Take precautionary measures against static discharges.

Storage

Requirements for storerooms and containers:

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

Specific use(s)

Protect from frost and exposure to sun. Exposure to temperatures exceeding 50 degrees Centigrade will increase pressure: resulting in danger of bursting or explosion.

Storage class:

2B

8. Exposure controls / personal protection

Exposure limit values

CAS-No.	chemical name	type	value
106-97-8	n-Butane	OEL (= German AGW)	1000 ml/m ³ = ppm
		OEL (= German AGW)	2400 mg/m ³
		OEL-TWA	600 ppm
		OEL-TWA	1450 mg/m ³
		OEL-STEL	750 ppm
		OEL-STEL	1810 mg/m ³

CAS-No.	chemical name	type	value
74-98-6	Propane	OEL (= German AGW)	1000 ml/m ³ = ppm
		OEL (= German AGW)	1800 mg/m ³

Exposure controls

Keep away from sources of ignition. No smoking.

See also Information in chapter 7, section storage.

Occupational exposure controls

Respiratory protection: Good general ventilation should be sufficient for most conditions.

Hand protection: not applicable

Eye protection: Tightly sealed safety glasses according to EN 166.

Skin protection: Wear suitable protective clothing.

General protection and hygiene measures:

When using do not eat, drink or smoke.

Wash hands when done working with material; at breaks, lunch, shift changes, etc.

Use a water-soluble skin protection product.

9. Physical and chemical properties

Appearance

Physical state: liquid, Aerosol

Colour: yellowish

Odour: characteristic

Important health, safety and environmental information

Boiling temperature / boiling range: -44 °C

Melting point / melting range: -33 °C (DIN 51376)

Flash point / flash point range: -97 °C

Ignition temperature: 365 °C

Autoflammability: not self-igniting

Explosive properties: Product is not explosive.

Explosion limits: LEL (Lower Explosive Limit): 0.6Vol%

UEL (Upper Explosive Limit): 9.5 Vol%

Vapour pressure: at 20 °C: 7.7 hPa

Density: at 20 °C: 0.45 g/cm³

Solubility in water: at 20 °C: slightly soluble

Thermal decomposition: > 500°C

10. Stability and reactivity

Conditions to avoid: Do not force spray can open. Do not heat spray cans over 50°C.

Vapours form potentially explosive mixtures with air. Heavier than air, they proceed at floor level and may backflash over great distances when ignited.

Hazardous decomposition products:

In case of fire may form: Sulfur oxides, carbon monoxide and carbon dioxide.

Thermal decomposition: > 500°C

11. Toxicological information

Toxicological Tests:

Acute toxicity: LD50 rat, oral (calculated): >= 2000 mg/kg

After skin contact: Not an irritant

After eye contact: mild irritant

General remarksSensitization:
Not known to cause sensitization.**12. Ecological information****Ecotoxicity**

Aquatic toxicity: Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

Water risk class: 1 Mild water pollutant

Additional ecological information

General information: Do not empty into drains.

13. Disposal considerations**Product**Waste key number 160504* = Dangerous materials containing gases in pressure containers
* = Evidence for disposal must be provided.

Recommendation: Special waste. Waste disposal according to official state regulations.

Contaminated packagingWaste key number 150111* = Pressure vessels, emptied
* = Evidence for disposal must be provided.

Recommendation: Waste disposal according to official state regulations.

14. Transport information**Overland transport**Warning board: ADR: Substance number 1950
RID: Kemmler-number 23, Substance number 1950
Product designation: UN 1950, Aerosol packaging, flammable
ADR/RID: Class 2, Code: 5F
Label: 2.1
Special provisions: 190 - 625
Limited quantities: LQ2
Contaminated packaging: Instructions: P204
Special provisions for packing together: MP9

Transport by sea

UN number:	1950
Proper shipping name:	Aerosols (maximum 1 l)
IMDG:	Class 2
Packing Group:	-
EmS:	F-D, S-U
Special provisions	63 - 190 - 277
Limited quantities	see SP277
Contaminated packaging: Instructions	P003
Contaminated packaging: Provisions	PP17
IBC: Instructions	-
IBC: Provisions	-
Tank instructions: IMO	-
Tank instructions: UN	-
Tank instructions Provisions	-
Stowage and segregation	For AEROSOLS with a capacity maximum 1 l: Category A. Segregation as for class 9 but 'away from' sources of heat and 'separated from' class 1 except division 1.4.
Properties and observations	-

Air transport

UN/ID number:	1950
Proper shipping name:	Aerosols, flammable
ICAO/IATA:	Class 2.1
Hazard	Flamm. gas
Packing Group:	-
Passenger Ltd.Qty.:	Y203 - Maximum quantity: 30 kg G
Passenger:	203 - Maximum quantity: 75 kg
Cargo:	203 - Maximum quantity: 150 kg
ERG	10L

**15. Regulatory information****Classification**

Code letter and hazard symbol:

**Extremely flammable**

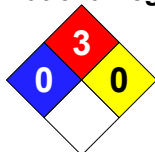
R phrase(s):	R 12	Extremely flammable.
S phrase(s):	S (2)	Keep out of reach of children.
	S 3/9	Keep in a cool, well-ventilated place.
	S 16	Keep away from sources of ignition. No smoking.
	S 51	Use only in well-ventilated areas.

Special labelling of particular preparations:

Container under pressure.
Protect from direct exposure to sunlight and temperatures exceeding 50°C.
Do not open or incinerate, even when empty. Do not spray into flames or on incandescent objects.
Keep away from sources of ignition. No smoking.
Keep out of reach of children.
Combustible

National regulations**National regulations Germany**

Storage class:	2B	
Water risk class:	1	Mild water pollutant

National regulations USA

NFPA Hazard Rating:
- Health = 0 (Minimal)
- Fire = 4 (Severe)
- Reactivity = 0 (Minimal)

16. Other information**Further remarks**

this safety data sheet applies to all pressure vessels (aerosol cans) exceeding 50 ml capacity.

R phrase(s): R 12 = Extremely flammable.

Reason of change: Changes in section 1: Changes of product list
General revision

Group that issues data sheet

Contact person: see chapter 1, department responsible for information.

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.



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