

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 18.07.2007

Version n° 8

Revision: 18.07.2007

1 Identification of substance:

- **Product details:**
- **Trade name:** *BELTONN aerosol*
- **Application of the substance / the preparation** *Lubricant*
- **Manufacturer/Supplier:**
MOLYDAL SA
221 RUE PAUL LANGEVIN
60744 SAINT MAXIMIN CEDEX
TEL :03 44 61 76 76
FAX :03 44 25 17 78
www.molydal.com
- **Further information obtainable from:** *Service technique*
- **Information in case of emergency:** *ORFILA TEL: 01.45.42.59.59*

2 Hazards identification

- **Hazard description:**



Xi Irritant
F+ Extremely flammable

- **Information concerning to particular hazards to man and environment**

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Warning! Pressurized container.

Has a narcotizing effect.

R 12 Extremely flammable.

R 43 May cause sensitisation by skin contact.

R 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R 67 Vapours may cause drowsiness and dizziness.

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking.

Buildup of explosive mixtures possible without sufficient ventilation.

Keep out of the reach of children

- **Classification system**

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

3 Composition/information on ingredients

- **Chemical characterization**

- **Description:** *Mixture of substances listed below with nonhazardous additions.*

- **Dangerous components:**

CAS: 106-97-8 EINECS: 203-448-7	butane F+; R 12	25-50%
CAS: 109-87-5	Methylal F; R 11	10-25%
	hexane, mixture of isomers (containing less than 5 % n-hexane EEC No 203-777-6) Xn, Xi, F, N; R 11-38-51/53-65-67	10-25%
CAS: 74-98-6 EINECS: 200-827-9	propane F+; R 12	2.5-10%

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CAS: 67-63-0 EINECS: 200-661-7	propan-2-ol Xi, F; R 11-36-67	2.5-10%
CAS: 8050-09-7 EINECS: 232-475-7	Rosin Xi; R 43	2.5-10%

· **Additional information** For the wording of the listed risk phrases refer to section 16.

4 First aid measures

- **After inhalation**
In case of unconsciousness place patient stably in side position for transportation.
Supply fresh air; consult doctor in case of complaints.
- **After skin contact** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact** Rinse opened eye for several minutes under running water.
- **After swallowing** If symptoms persist consult doctor.

5 Fire fighting measures

- **Suitable extinguishing agents** CO₂, sand, extinguishing powder. Do not use water.
- **For safety reasons unsuitable extinguishing agents** Water.
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Person-related safety precautions:**
Wear protective equipment. Keep unprotected persons away.
Particular danger of slipping on leaked/spilled product.
- **Measures for environmental protection:**
Do not allow product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.
- **Measures for cleaning/collecting:** Ensure adequate ventilation.
- **Additional information:** No dangerous substances are released.

7 Handling and storage

- **Handling**
- **Information for safe handling:**
Keep away from heat and direct sunlight.
Open and handle receptacle with care.
- **Information about fire - and explosion protection:**
Keep ignition sources away - Do not smoke.
Do not spray onto a naked flame or any incandescent material.
- **Storage**
- **Requirements to be met by storerooms and receptacles:**
Store in a cool location.
Observe official regulations on storing packagings with pressurized containers.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Store receptacle in a well ventilated area.

8 Exposure controls and personal protection gear

- **Additional information about design of technical facilities:** No further data; see item 7.

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· Ingredients with limit values that require monitoring at the workplace:**106-97-8 butane**

WEL Short-term value: 1810 mg/m³, 750 ppm
Long-term value: 1450 mg/m³, 600 ppm
Carc (if more than 0.1% of buta-1.3-diene)

109-87-5 Methylal

WEL Short-term value: 3950 mg/m³, 1250 ppm
Long-term value: 3160 mg/m³, 1000 ppm

67-63-0 propan-2-ol

WEL Short-term value: 1250 mg/m³, 500 ppm
Long-term value: 999 mg/m³, 400 ppm

8050-09-7 Rosin

WEL Short-term value: 0.15 mg/m³
Long-term value: 0.05 mg/m³
Sen

· **Additional information:** The lists valid during the making were used as basis.

· **Personal protective equipment**

· **General protective and hygienic measures**

The usual precautionary measures are to be adhered to when handling chemicals.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

· **Respiratory protection:** Use suitable respiratory protective device in case of insufficient ventilation.

· **Protection of hands:** Protective gloves.

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:** Tightly sealed goggles.

· **Body protection:** Protective work clothing.

*** 9 Physical and chemical properties:**

· General Information

Form: Aerosol
Colour: Brown
Odour: characteristic

· Change in condition

Melting point/Melting range: undetermined
Boiling point/Boiling range: < 35°C

· **Flash point:** < 0°C (ISO 2719)

· **Ignition temperature:** 365°C

· **Self-igniting:** Product is not selfigniting.

· **Danger of explosion:** Product does not present an explosion hazard.

· Explosion limits:

Lower: 1.5 Vol %
Upper: 17.6 Vol %

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- | | |
|--|----------------------------------|
| · Density: | not determined |
| · Solubility in / Miscibility with Water: | Not miscible or difficult to mix |

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Dangerous reactions** No dangerous reactions known
- **Dangerous decomposition products:** No dangerous decomposition products known

11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **Sensitization:** Sensitization possible through skin contact.
- **Additional toxicological information:** Irritant
- **Sensitisation** May cause sensitisation by skin contact.

12 Ecological information:

- **Ecotoxicological effects:**
- **Remark:** Harmful to fish
- **General notes:** Danger to drinking water if even small quantities leak into the ground.

13 Disposal considerations

- **Product:**
- **Recommendation** Must be specially treated adhering to official regulations.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- **Land transport ADR/RID (cross-border)**



- **ADR/RID class:** 2 5F Gases.
- **Danger code (Kemler):** 23
- **UN-Number:** 1950
- **Packaging group:** -
- **Hazard label** 2.1
- **Description of goods:** 1950 AEROSOLS

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· **Maritime transport IMDG:**

- **IMDG Class:** 2.1
- **UN Number:** 1950
- **Label** 2.1
- **Packaging group:** -
- **EMS Number:** F-D,S-U
- **Marine pollutant:** No
- **Proper shipping name:** AEROSOLS

· **Air transport ICAO-TI and IATA-DGR:**

- **ICAO/IATA Class:** 2.1
- **UN/ID Number:** 1950
- **Label** 2.1
- **Packaging group:** -
- **Proper shipping name:** AEROSOLS, flammable

15 Regulations

- **Labelling according to EU guidelines:** Observe the general safety regulations when handling chemicals
- **Code letter and hazard designation of product:**



Xi Irritant
F+ Extremely flammable

· **Hazard-determining components of labelling:**

Rosin

· **Risk phrases:**

- 12 Extremely flammable.
- 43 May cause sensitisation by skin contact.
- 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- 67 Vapours may cause drowsiness and dizziness.

· **Safety phrases:**

- 16 Keep away from sources of ignition - No smoking.
- 23 Do not breathe aerosol.
- 24 Avoid contact with skin.
- 37 Wear suitable gloves.
- 46 If swallowed, seek medical advice immediately and show this container or label.
- 51 Use only in well-ventilated areas.

· **Special labelling of certain preparations:**

- Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.*
- Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking.*
- Buildup of explosive mixtures possible without sufficient ventilation.*
- Keep out of the reach of children*

· **Technical instructions (air):**

Class	Share in %
NK	95.0

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· Waterhazard class: Water hazard class 2 (Self-assessment): hazardous for water.**16 Other information:**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Relevant R-phrases

- 11 *Highly flammable.*
- 12 *Extremely flammable.*
- 36 *Irritating to eyes.*
- 38 *Irritating to skin.*
- 43 *May cause sensitisation by skin contact.*
- 51/53 *Toxic 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.*

· * Data compared to the previous version altered.

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