

## SAFETY DATA SHEET

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

#### Product details

Trade name: WD LUBE

Article number: 18-00000-4133

Application of the substance / the preparation Lubricant

Supplier: Fortron International, Unit 4 Cannel road, Burntwood Business Park, Burntwood, Staffordshire WS7 3FU

Emergency information: Emergency Phone Number : 01543 679 900 (Office hours only)

### 2. Hazards identification

Hazard description: F+ Extremely flammable

#### Information concerning particular hazards for human 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.

At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.

Warning! Pressurized container.

R 12 Extremely flammable.

R 66 Repeated exposure may cause skin dryness or cracking. 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. Buildup of explosive mixtures possible without sufficient ventilation.

#### Classification system:

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

#### GHS label elements

Flame Danger

H222 - Extremely flammable aerosol.

EUH066 - Repeated exposure may cause skin dryness or cracking.

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.



**Prevention:**

P210 Keep away from heat/sparks/open flames/hot surfaces. · No smoking.

P251 Pressurized container: Do not pierce or burn, even after use.

P211 Do not spray on an open flame or other ignition source.

**Storage:**

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

**3. Composition/information on ingredients****Chemical characterization**

**Description:** Active substance with propellant

**Dangerous components:**

64742-48-9 Naphtha (petroleum), hydrotreated heavy 25-<50 %

Xn; R 10-65-66

Danger: health hazard 3.10/1

Warning: flame 2.6/3

EINECS: 265-150-3

106-97-8 butane (containing < 0.1% butadiene (203-450-8)) 10-<25 %

F+; R 12

Danger: flame 2.2/1

Warning: gas cylinder 2.5/C

EINECS: 203-448-7

74-98-6 propane 10-<25 %

F+; R 12

Danger: flame 2.2/1

Warning: gas cylinder 2.5/C

EINECS: 200-827-9

64742-95-6 Solvent naphtha (petroleum), light arom. Benzene<0.1% 0.1-<1.0 %

Xn, Xi, N; R 10-37-51/53-65-66-67

Danger: health hazard 3.10/1

EINECS: 265-199-0

**4. First-aid measures**

**After inhalation:** Supply fresh air; consult doctor in case of complaints.

**After skin contact:** Generally the product does not irritate the skin.

**After eye contact:** Rinse opened eye for several minutes under running water.

**After swallowing:** Do not induce vomiting; call for medical help immediately.

## 5. Fire-fighting measures

### **Suitable extinguishing agents:**

Water haze  
Fire-extinguishing powder  
Carbon dioxide  
Alcohol resistant foam

**For safety reasons unsuitable extinguishing agents:** Water with full jet

**Protective equipment:** Mount respiratory protective device.

## 6. Accidental release measures

### **Person-related safety precautions:**

Wear protective equipment. Keep unprotected persons away.

### **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.  
Do not allow to enter sewers/ surface or ground water.

**Measures for cleaning/collecting:** Ensure adequate ventilation.

## 7. Handling and storage

### **Handling:**

#### **Information for safe handling:**

Ensure good ventilation/exhaustion at the workplace.  
Open and handle receptacle with care.

#### **Information about fire - and explosion protection:**

Do not spray onto a naked flame or any incandescent material.  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.  
Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.

### **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:**

Observe official regulations on storing packagings with pressurized containers.

**Further information about storage conditions:**

Keep receptacle tightly sealed.  
Do not seal receptacle gas tight.  
Store in cool, dry conditions in well sealed receptacles.  
Protect from heat and direct sunlight.

**8. Exposure controls/personal protection**

**Additional information about design of technical facilities:**

No further data; see item 7.

**Ingredients with limit values that require monitoring at the workplace:**

106-97-8 butane (containing < 0.1% butadiene (203-450-8))  
WEL: Short-term value: 1810 mg/m<sup>3</sup>, 750 ppm  
Long-term value: 1450 mg/m<sup>3</sup>, 600 ppm  
Carc (if more than 0.1% of buta-1.3-diene)

74-98-6 propane  
WEL: Short-term value: 3600 mg/m<sup>3</sup>, 2000 ppm  
Long-term value: 1800 mg/m<sup>3</sup>, 1000 ppm

**Additional information:**

The lists valid during the making were used as basis.

**Personal protective equipment:**

**General protective and hygienic measures:**

Wash hands before breaks and at the end of work.  
Do not inhale gases / fumes / aerosols.

**Respiratory protection:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.  
Use suitable respiratory protective device in case of insufficient ventilation.  
Filter AX/P2

**Protection of hands:**

Protective gloves  
Solvent resistant gloves  
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

**Material of gloves** Nitrile rubber, NBR

## 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:** Use protective suit.

## 9. Physical and chemical properties

### General Information

**Form:** Aerosol

**Colour:** According to product specification

**Odour:** Characteristic

### Value/Range Unit Method

#### Change in condition

**Melting point/Melting range:** Undetermined.

**Boiling point/Boiling range:** -44 ° C

**Flash point:** -97 ° C

**Ignition temperature:** 270 ° C

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

#### Danger of explosion:

Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

#### Explosion limits:

**Lower:** 0.6 Vol %

**Upper:** 10.9 Vol %

**Vapour pressure:** at 20 ° C 4 bar

**Density:** at 20 ° C 0.695 g/cm<sup>3</sup>

#### Solubility in / Miscibility with

**water:** Not miscible or difficult to mix.

**Solvent content:**

**Organic solvents:** 79.4 %

## 10. Stability and reactivity

**Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

**Materials to be avoided:**

**Dangerous reactions:** No dangerous reactions known.

**Dangerous decomposition products:** No dangerous decomposition products known.

## 11. Toxicological information

**Acute toxicity:**

**LD/LC50 values relevant for classification:**

64742-48-9 Naphtha (petroleum), hydrotreated heavy  
Oral: LD50: >5000 mg/kg (rat)  
Dermal: LD50: >3000 mg/kg (rabbit)

**Primary irritant effect:**

**On the skin:** No irritant effect.

**On the eye:** No irritating effect.

**Sensitization:** No sensitizing effects known.

## 12. Ecological information

**Additional ecological information:**

**General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

## 13. Disposal considerations

**Product:**

**Recommendation:** Must not be disposed together with household garbage. Do not allow product to reach sewage system.

**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):** -

**UN-Number:** 1950

**Packaging group:** -

**Hazard label** 2.1



**Description of goods:** 1950 AEROSOLS

**Limited quantities (LQ)** LQ2

**Transport category** 2



**Tunnel restriction code** D

**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

**UN "Model Regulation":** UN1950, AEROSOLS, 2.1

## 15. Regulatory information

### **Labelling according to EU guidelines:**

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

**Code letter and hazard designation of product:** F+ Extremely flammable

### **Risk phrases:**

- 12 Extremely flammable.
- 66 Repeated exposure may cause skin dryness or cracking.

### **Safety phrases:**

- 2 Keep out of the reach of children.
- 16 Keep away from sources of ignition · No smoking.
- 23 Do not breathe fumes/aerosol.
- 24 Avoid contact with skin.
- 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. Buildup of explosive mixtures possible without sufficient ventilation.

### **National regulations:**

### **Technical instructions (air):**

#### **Class Share in %**

NK 50-100

**VOC-CH** 79.36 %

**VOC-EU** 551.6 g/l

**Danish MAL Code** 5-3

## 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

- 10 Flammable.
- 12 Extremely flammable.
- 37 Irritating to respiratory system.
- 51/53 Toxic 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.
- 67 Vapours may cause drowsiness and dizziness.

**Department issuing SDS:** Health & Safety Department

## Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

MAL-Code: Måleteknisk Arbejdshygiejnisk Luftbehov (Regulation for the labeling concerning inhalation hazards, Denmark)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

**\* Data compared to the previous version altered. \***