

Material Safety Data Sheet

(In accordance with 2001.58.EC - L212/14)

W66479 - Chain Lube (Aerosol)

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

IDENTIFICATION OF THE SUBSTANCE OR PREPARATION

W66479 - Chain Lube (Aerosol)

USE OF THE SUBSTANCE/PREPARATION

Lubricant for chains.

COMPANY IDENTIFICATION

COMPANY Wynn's Belgium B.V.B.A.
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EMERGENCY TELEPHONE NUMBER
EMERGENCY TELEPHONE NUMBER BIG: +32(0)14/58.45.45

2. HAZARDS IDENTIFICATION

F+ -
extremely
flammableXn -
harmful

HAZARDS FOR HUMANS AND THE ENVIRONMENT

Extremely flammable - Harmful by inhalation and if swallowed - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

OTHER DANGERS

3. COMPOSITION/INFORMATION ON INGREDIENTS

INFORMATION ON INGREDIENTS

NAME	CAS NO	EI NCS/ELI NCS	MIN/MAX	SYMBOL	R-PHRASES
bariumbis(dinonylnaftaleensulfonaat)	25619-56-1	247-132-7	2.5 < C < 5 %	Xn	R20/22, R36/38
butane	106-97-8	203-448-7	15 < C < 20 %	F+	R12
pentane	109-66-0	203-692-4	<= 5 %	F+, Xn,N	R12, R51/53, R65, R66, R67
propane	74-98-6	200-827-9	5 < C < 10 %	F+	R12

4. FIRST AID MEASURES

IN GENERAL

Check the vital functions
Unconscious: maintain adequate airway and respiration
Respiratory arrest: artificial respiration or oxygen
Cardiac arrest: perform resuscitation
Victim conscious with laboured breathing: half-seated
Victim in shock: on his back with legs slightly raised
Vomiting: prevent asphyxia/aspiration pneumonia
Prevent cooling by covering the victim (no warming up)
Keep watching the victim
Give psychological aid

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Keep the victim calm, avoid physical strain
Depending on the victim's condition: doctor/hospital

INHALATION

Remove the victim into fresh air
Respiratory problems: consult a doctor/medical service

SKIN

wash immediately with plenty of water and soap
Take victim to a doctor if irritation persists

EYES

Rinse immediately with plenty of water
Take victim to an ophthalmologist if irritation persists

INGESTION

Not applicable

5. FIRE-FIGHTING MEASURES

EXTINGUISH. AGENTS-FIRE FIGHTING INSTR.

FIRE EXTINGUISHING MEDIA

Water spray

AFFF foam

Solid water jet ineffective as extinguishing medium

FIREFIGHTING INSTRUCTIONS:

Take account of environmentally hazardous firefighting water

If exposed to fire cool the closed containers by

All extinguishing media allowed

Physical explosion risk: extinguish/cool from behind cover

FIRE HAZARD

DIRECT FIRE HAZARD

Flammable

Gas/vapour flammable with air within explosion limits

INDIRECT FIRE HAZARD

Fire/heat: explosive hazard bigger than fire hazard

EXPLOSION HAZARD

DIRECT EXPLOSION HAZARD

No direct explosion hazard

INDIRECT EXPLOSION HAZARD

Aerosol may explode under the effect of heat

Gas/vapour explosive with air within explosion limits

May be ignited by sparks

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE FIGHTERS

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PROTECTION

Gloves

Safety glasses

Protective clothing

Large spills/in enclosed spaces: compressed air apparatus

Heat/fire exposure: compressed air/oxygen apparatus

GENERAL MEASURES

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Mark the danger area - Stop engines and no smoking - No naked flames or sparks - Spark- and explosionproof appliances and lighting equipment - Prevent soil and water pollution - Prevent spreading in sewers - Exposure to fire/heat: keep upwind - Exposure to fire/heat: consider evacuation - Exposure to heat: seal off low-lying areas - Exposure to heat: have neighbourhood close doors and windows - Wash contaminated clothes

LEAK

Measure the concentration of the explosive gas-air mixture
NO open flames, NO sparks
Mark the danger area

DISPOSAL

Take up liquid spill into inert absorbent material, e.g.: sand
Scoop absorbed substance into closing containers
Carefully collect the spill/leftovers
Wash clothing and equipment after handling
Clean contaminated surfaces with an excess of water and soap solution

7. HANDLING AND STORAGE

HANDLING THE PRODUCT

Comply with the legal requirements
Carry operations in the open/under local exhaust/ventilation or with respiratory protection
Observe normal hygiene standards
Avoid prolonged and repeated contact with skin
Remove contaminated clothing immediately
Clean contaminated clothing
Use spark-/explosionproof appliances and lighting system
Keep away from naked flames/heat
Keep away from ignition sources/sparks

STORAGE

STORAGE AREA

Store at ambient temperature - Keep out of direct sunlight - Fireproof storeroom - Ventilation at floor level - Provide for a tub to collect spills - Meet the legal requirements

STORAGE TEMPERATURE

<45°C

CONTAINERS

CONTAINERS : MATERIAL SELECTION aerosol

CONTAINERS : REQUIREMENTS correctly labelled

meet the legal requirements

Secure fragile packagings in solid containers

SPECIFIC APPLICATIONS

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

PERSONAL PROTECTION

Gloves

Safety glasses

Insufficient ventilation: wear respiratory protection

ENVIRONMENTAL PROTECTION EQUIPMENT

MATERIALS FOR PROTECTIVE CLOTHING

nitrile rubber

neoprene

9. PHYSICAL AND CHEMICAL PROPERTIES

GENERAL INFORMATION

W66479 - Chain Lube (Aerosol)

STATE OF AGGREGATION	Liquid Aerosol		
ODOUR	characteristic odour		
SOLUBILITY IN WATER	negligible		
OTHER PROPERTIES	Physical and chemical properties of the active product without gas.		
VALUES OF PHYSICAL PROPERTIES			
RELATIVE DENSITY	873 kg/m ³	BOILING POINT	36-300 °C
VAPOUR PRESSURE	185 hPa @ 20°C	RELATIVE GAS DENSITY	N.A.
VISCOSITY	203.73 mm ² /s @ 40°C // 19.49 mm ² /s @ 100°C // VI = 109		
CLASSIFICATION	DMSO (IP346) <3%		
HAZARDS FOR EXPLOSION AND FIRE			
AUTO-IGNITION TEMPERATURE	365°C		
DUST EXPLOSION			

10. STABILITY AND REACTIVITY

STABILITY

Stable under normal conditions

CHEMICAL REACTIONS

Upon combustion CO and CO₂ are formed

PROHIBITIONS ON MIXED STORAGE

KEEP SUBSTANCE AWAY FROM:
heat sources
ignition sources

HAZARDOUS DECOMPOSITION PRODUCTS

11. TOXICOLOGICAL INFORMATION

VALUES OF CHRONIC TOXICITY

TOXICITY

ACUTE TOXICITY - Moderately irritant to skin - Moderately irritant for eyes - Harmful by inhalation - Harmful by ingestion - CHRONIC TOXICITY - Not listed in carcinogenicity class (IARC,EC,TLV,MAK) - Not listed in mutagenicity class (EC,MAK) - Not classified as toxic to reproduction (EC)

TOXICITY HAZARD

DIRECT TOXICITY HAZARD - Literature reports harmful - Irritating

EFFECTS/SYMPTOMS

SYMPTOMS/INJURIES AFTER SKIN CONTACT

Red skin
Dry skin
Tingling/irritation of the skin

SYMPTOMS/INJURIES AFTER INHALATION

Irritation of the respiratory tract
Nausea
Dizziness

SYMPTOMS/INJURIES AFTER EYE CONTACT

Redness of the eye tissue
Irritation of the eye tissue

12. ECOLOGICAL PROPERTIES

MOBILITY

ECOLOGY - GENERAL

Contains environmentally dangerous component(s)

ECOLOGY - WATER

No available data

ECOLOGY - SOIL

Biodegradability in soil: no data available

13. DISPOSAL CONSIDERATIONS

W66479 - Chain Lube (Aerosol)

Hazardous waste (91/689/EEC)

Remove to an authorized plant for the destruction, neutralization and elimination of hazardous waste
Use appropriate containment to avoid environmental contamination

PACKAGING/CONTAINER

Waste material code packaging (91/689/EEC, Council Decision 2001/118/EC, O.J. L47 of 16/2/2001):

15 01 10*

packaging containing residues of or contaminated by dangerous substances

DISPOSAL CODE

Package	
Plastic	15.01.10*
Metal	15.01.11*
Product	
Oil additives	12.01.12*
Fuel additives	14.06.03*
Aqueous solutions	20.01.29*
Airco-cleaner	20.01.19

14. TRANSPORT INFORMATION

UN number 1950

UN 1950 AEROSOLS, 2.1

UN CLASS 3

UN PACKAGE GROUP III

UNO SUBS. RISKS -

ROAD (ADR)

ADR CLASS 2

ADR CLASSIFICATION CODE 5F

ADR SYMBOL



2.1 black -
Flammable gases

RAIL (RID)

SEA (IMDG)

IMDG CLASS 2.1

EMS NUMBER

F-E, S-D

MARINE POLLUTANT /

IMDG SUBS. RISKS -

AIR (IATA/ICAO)

ICAO CLASS 2.1

ICAO INSTRUCTION CARGO 310

ICAO INSTRUCTION PASSENGER 309/Y309

ICAO SUBS. RISKS -

15. REGULATORY INFORMATION

Classification and labelling according to the directives 67/548/EEC, 1999/45/EC, 98/8/EC and Regulation (EC) 648/2004.

NAME OF THE COMPONENTS DETERMINING THE DANGER

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NAME CAS NO
bariumbis(dinonylnaftaleensulfonaat) 25619-56-1

SYMBOL



F+ -
extremely
flammable



Xn -
harmful

R-PHRASES

R12 - Extremely flammable
R20/22 - Harmful by inhalation and if swallowed
R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

S-PHRASES

S2 - Keep out of reach of children
S16 - Keep away from sources of ignition - No smoking
S23.4 - Do not breathe vapour.
S23.5 - Do not breathe aerosol.

ADDITIONAL RISK PHRASES

96 - Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use
97 - Do not spray on a naked flame or any incandescent material
300 - Without adequate ventilation formation of explosive mixtures may be possible.

16. OTHER INFORMATION

R-PHRASES

R12 - Extremely flammable
R20/22 - Harmful by inhalation and if swallowed
R36/38 - Irritating to eyes and skin
R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R65 - Harmful: may cause lung damage if swallowed
R66 - Repeated exposure may cause skin dryness or cracking
R67 - Vapours may cause drowsiness and dizziness

Sources of key data used: Raw material suppliers' data sheets were used as key data sources in the preparation of this safety data sheet.

This safety data sheet has been made in accordance with the directives 91/155/EEG, 93/112/EEG, 2001/58/EG and Reach regulation 1907/2006.

It completes the technical directions for use, but does not replace it.

The data mentioned on these documents are to our knowledge correct on the date of publication and are provided on the assumption that the product will be used as indicated by the manufacturer/supplier. The indication of these safety data, without being considered as complete, helps the user to fulfil his obligations with regard to dangerous substances. The user is obliged to evaluate the product and use it in a safe way in compliance with the effective laws and stipulations. The user has to make sure that all regulations as to human and environmental protection during handling, storage and use of the products are observed.