

# MATERIAL SAFETY DATA SHEET

(in accordance with CE 1907/2006 - REACH)

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

1.1 Product name:

**OFF ROAD CHAIN** 

1.2 Relevant identified uses of the substance or mixture:

Chain lubricant in spray
All except above indicated

1.3 Manufacturer/Supplier:

Uses advises against:

Nils S.p.A. Via Stazione, 30 39014 Postal (BZ)

**ITALY** 

Tel. +39 0473 29 24 00 e-mail: <u>nils@nils.it</u> www.nils.eu

Reference to safety data sheet:

Tel +39 0473 292400 schedasicurezza@nils.it

1.4 Emergency telephone number:

Nils S.p.A:+39 0473 29 24 00 (only available during office hours) Centro Antiveleni Ospedale Niguarda Milano: +39 02 66101029

### Hazards indentification

2.1 Class. Accord. to CE 1272/2008:

Hazard categories: Aerosol: Aerosol 1 Hazard Statements:

Extremely flammable aerosol.

Pressurised container: May burst if heated.

2.2 Label elements CE 1272/2008: Pictograms:

GHS02

Signal word:

Signal word: Danger

Hazard statements H:

H222 Extremely flammable aerosol.

H229 Pressurised container: May burst if heated.

**Precautionary statements P:** 

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

2.3 Other hazards:

In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop.

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3. Composition/information on ingredients							
3.2 Mixtures					ingredients		
Dangerous components:					T =		
Nr.	CE	Nr. CAS	Nr. Reach		Description	%	Class. 1272/08
204-065-8		115-10-6	01-2119472128-37		dimethyl ether	55-<60	Flam. Gas 1, Liquefied gas; H220 H280
Additional information:			Complete list H hazard statements is indicated in point 16 of this MSDS.				
		aid measu					
4.1	4.1 General information:			In case of accident or if you feel unwell, seek medical advice immediately (if possible show the label of this product).			
	- after inhalation:			Provide fresh air. In case of respiratory tract irritation, consult a doctor (if possible show the label of this product).			
	- after skin contact:			In case of skin contact wash with plenty of soap and water. Remove contaminated clothing and launder before reuse. If skin irritation occurs, consult a doctor.			
	- after eye contact:			Rinse opened eye for 10-15 minutes under running water, consult a doctor			
	- after swallowing:			Observe risk of aspiration if vomiting occurs. If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention.			
4.2	4.2 Most important symptoms and effects, both acute and delayed:			No information available.			
4.3	4.3 Indication of any immediate medical attention and special treatment needed:			Treat symptomatically.			
5.		ighting me					
5.1		juishing medi ble extinguish		Ca	rbon dioxide (CO <sub>2</sub> ), foam	ı, extinguisl	ning powder.
	Unsui	table extingui	shing media:	Wa	ter		
5.2		al hazards ari ance or mixtu	sing from the re:	Fla	mmable. Vapours can fo	rm explosiv	ve mixtures with air.
5.3	Advice	e for firefighte	ers:		case of fire: Wear protect tective gear. Wear self-c		
5.4	Additi	onal informat	ion:	end wat	e water spray jet to prote dangered containers. Su ter spray jet. Collect cont parately. Do not allow en	ppress gas taminated f	es/vapours/mists with ire extinguishing water

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## 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Remove all sources of ignition. Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment.

6.2 Environmental precautions:

Do not allow uncontrolled discharge of product into the

environment. Danger of explosion.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

6.4 Reference to other sections:

Safe handling: see section 7
Personal protection equipment: see section 8
Disposal: see section 13

# 7. Handling and storage

7.1 Precautions for safe handling:

Do not pierce or burn, even after use. If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

Information about protection against explosions and fires:

Do not spray on naked flames or any incandescent material. Protect from sunlight. Do no expose to temperatures exceeding 50°C/122°F. Keep away from sources of ignition. - No smoking. Take precautionary measures against static discharge. Vapours can form explosive mixtures with air.

7.2 Conditions for safe storage, including any incompatibilities:

Keep container tightly closed. Store locked up. Store in a place accessible by authorized persons only. Provide adequate ventilation as well as local exhaustion at critical locations. Keep in a cool, well-ventilated place. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not store together with: Oxidising agent. Pyrophoric or self-heating substances.

7.3 Specific end use(s):

Observe technical data sheet.

### 8. Exposure controls and personal protection

8.1 Control parameters: Exposure limits:

TWA (8h): Exposure limit values

CAS	ppm	mg/m <sup>3</sup>
Dimethyl ether, 115-10-6	1000	1900

**Exposure controls** 

-Personal protective equipment:

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

-General protective and hygiene measures:

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat or drink.

-Respiratory protection:

In case of inadequate ventilation wear respiratory protection. Suitable respiratory protection apparatus: Combination filtering device (EN 14387) A-P2

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-Hand protection: When handling with chemical substances, protective gloves

must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous

substances.

Suitable material: NBR (Nitrile rubber), Thickness of the glove

material: 0,4 mm, Breakthrough time (maximum wearing

time): >480 min

**-Eye protection:** Wear eye/face protection. Suitable eye protection: goggles,

Eye glasses with side protection

**-Body protection:** Wear anti-static footwear and clothing

### Physical and chemical properties

Form: Aerosol
Colour: Light yellow
Odour: Characteristic

Value Unit Method

pH value:
Melting point:
Not applicable
not determined

**Boiling point/Boiling range**: <-20 °C **Flash point**: <-20 °C

Flammability:

Solid: Not applicable

Gas: Not applicable

Typics on limits: lower limit: 3.3

Explosion limits: lower limit:3.3% volExplosion limits: upper limit:26.2% volIgnition temperature:235°C

Oxidizing properties:

Vapour pressure:

Density at 20°C:

Not oxidizing
Not determined
0.753

Density at 20°C: 0.753 g/cm³ calculated insoluble
Solubility in other solvents: Not determined

Partition coefficient:
Viscosity / dynamic:
Vapor density:
Evaporation rate:

Not determined
Not determined
Not determined
Not determined

#### 10. Stability and reactivity

10.3 Possibility of hazardous

10.1 Reactivity: Flammable, Ignition hazard

10.2 **Chemical stability:** The product is stable under storage at normal ambient

temperatures.

reactions: No known hazardous reactions.

10.4 **Conditions to avoid:** Keep away from sources of heat (e.g. hot surfaces), sparks

and open flames. Vapours can form explosive mixtures with

air.

10.5 **Incompatible materials:** No information available.

10.6 Hazardous decomposition

products: Gasses / vapours, toxic

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# 11. Toxicological information

11.1 Information on toxicological

effects:

Acute toxicity: Based on available data, the classification criteria are not

met

Irritation and corrosivity: Based on available data, the classification criteria are not

met

Sensitising effects: Based on available data, the classification criteria are not

met.

STOT-single exposure: Based on available data, the classification criteria are not

met

Severe effects after repeated or

prolonged exposure:

Based on available data, the classification criteria are not

met

Carcinogenic/mutagenic/toxic effects for reproduction:

Based on available data, the classification criteria are not

met.

Aspiration hazard: Based on available data, the classification criteria are not

met.

Additional information on tests: This mixture is classified as hazardous according to

regulation (EC) No. 1272/2008 [CLP].

## 12. Ecological information

12.1 **Toxicity:** The product is not: Ecotoxic.

12.2 **Persistence and degradability:** The product has not been tested.

12.3 **Bioaccumulative potential:** The product has not been tested.

Partition coefficient n-octanol/water:

CAS	Product	Log Pow
115-10-6	dimethyl ether	0.07

12.4 **Mobility in soil:** The product has not been tested.

12.5 Results of PBT and vPvB

assessment:

The product has not been tested.

12.6 **Other adverse effects:** No information available.

**Further information:** Do not allow to enter into surface water or drains. Do not

allow to enter into soil/subsoil.

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## 13. Disposal considerations

13.1 Waste treatment methods Do not allow to enter into surface water or drains. Dispose of

waste according to applicable local legislation.

-Waste key: 16 05 04 WASTES NOT OTHERWISE SPECIFIED IN THE

LIST; gases in pressure containers and discarded chemicals; gases in pressure containers (including halons) containing

dangerous substances.

Classified as hazardous waste.

**-Contaminated packaging:** Non-contaminated packages may be recycled. Handle

contaminated packages in the same way as the

substance itself.

# 14. Transport information

Land transport (ADR/RID)

**14.1. UN number:**UN 1950 **14.2. UN proper shipping name:**AEROSOLS

14.3. Transport hazard class(es): 2
Hazard label: 2.1
Classification code: 5F

Special Provisions: 190 327 344 625

Limited quantity: 1 L
Transport category: 2
Tunnel restriction code: D
Other applicable information (land transport): E0

Inland waterways transport (ADN)

**14.1. UN number: 14.2. UN proper shipping name:**UN 1950
AEROSOLS

14.3. Transport hazard class(es): 2
Hazard label: 2.1
Classification code: 5F

Special Provisions: 190 327 344 625

Limited quantity: 1 L

Other applicable information (inland waterways transport): E0

Marine transport (IMDG)

**14.1. UN number:**UN 1950 **14.2. UN proper shipping name:**AEROSOLS

14.3. Transport hazard class(es):2.114.4. Packing group:-Hazard label:2.1

Special Provisions: 63, 190, 277, 327, 344, 959

Limited quantity: 1000 ml EmS: F-D, S-U

Other applicable information (marine transport): E0

Air transport (ICAO)

**14.1. UN number**: UN 1950

**14.2. UN proper shipping name:** AEROSOLS, flammable

**14.3. Transport hazard class(es):** 2.1 Hazard label: 2.1

Special Provisions: A145 A167 A802

Limited quantity Passenger: 30 kg G
IATA-packing instructions - Passenger: 203
IATA-max. quantity - Passenger: 75 kg
IATA-packing instructions - Cargo: 203
IATA-max. quantity - Cargo: 150 kg

IATA-max. quantity - Cargo: 150 kg
Other applicable information (air transport): E0 Y203

14.5 Environmental hazards: ENVIRONMENTALLY HAZARDOUS: no

14.6 **Special precautions for users:** Warning: Flammable gases.

14.7 Transport in bulk according to Annex II of

MARPOL 73/78 and the IBC Code: Not applicable

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# 15. Regulations

15.1 Safety, health and environmental regulations/legislation specific for

the substance or mixture

Reg. CE 1272/2008 (CLP)

Reg. CE 790/2009 (1° ATP CLP)

Reg. 1907/2006 (Reach)

Reg. UE 453/2010

**1999/13/CE (VOC):** 59,494 % (447,99 g/l)

**More information:** To be observed: 850/2004/EC, 79/117/EEC, 689/2008/EC,

2008/47/EC

**Employment restrictions:** Observe employment restrictions for young people.

Water hazard class (German reg.): WGK 2 (hazardous for water).

15.2 **Chemical safety assessment** Chemical safety assessments for substances in this

mixture were not carried out.

# 16. Other information

This MSDS was prepared in accordance to REACH 1907/2006/EC.

Relevant H hazard statements in point 3:

H hazard statements:

H220 Extremely flammable gas.

H222 Extremely flammable aerosol.

H229 Pressurised container: May burst if heated.

H280 Contains gas under pressure; may explode if heated.

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.

Reviewed on: 09.03.2016

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