

#### Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Date of issue: 24.05.2021 Version: 1

#### SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture

Trade name : Chain Grease Spray

Product code :

Vaporizer : aerosol

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Use of the substance/mixture : Grease, is an aerosol lubricating paste.

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

#### Manufacturer

WINKEL GmbH Lisztstraße 1

53881 Euskirchen - Germany

www.winkelgroup.de

1.4. Emergency telephone number

Emergency number: No additional information available

#### SECTION 2: Hazards identification

## 2.1. Classification of the substance or mixture

#### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Aerosol, Category 1 H222;H229

Skin corrosion/irritation, Category H315

2

Carcinogenicity, Category 2 H351
Reproductive toxicity, Category 2 H361
Specific target organ toxicity — H336

Single exposure, Category 3,

Narcosis

Specific target organ toxicity — H<sub>3</sub>73

Repeated exposure, Category 2

Hazardous to the aquatic H411

environment — Chronic Hazard,



#### Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Date of issue: 24.05.2021 Version: 1

#### Category 2

Full text of H-statements: see section 16

#### Adverse physicochemical, human health and environmental effects

Pressurised container: May burst if heated. Extremely flammable aerosol. Suspected of causing cancer. Suspected of damaging fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure. May cause drowsiness or dizziness. Causes skin irritation. Toxic to aquatic life with long lasting effects.

#### Label elements 2.2.

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)









GHS<sub>02</sub>

GHS<sub>07</sub>

GHS<sub>0</sub>8

GHS09

Signal word (CLP)

Hazardous ingredients

: Danger

Hazard statements (CLP)

: Methylene Chloride; Naphtha (petroleum), hydrotreated light\*

: H222 - Extremely flammable aerosol.

H229 - Pressurised container: May burst if heated.

H315 - Causes skin irritation.

H336 - May cause drowsiness or dizziness.

H<sub>351</sub> - Suspected of causing cancer.

H<sub>3</sub>61 - Suspected of damaging fertility or the unborn child.

H373 - May cause damage to organs through prolonged or repeated

exposure.

H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements (CLP)

: 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.

P280 - Wear protective gloves/protective clothing/eye protection/face

protection/hearing protection.

P391 - Collect spillage.

P410+P412 - Protect from sunlight. Do not expose to temperatures

exceeding 50 °C/122 °F.

#### Other hazards 2.3.

No additional information available

#### SECTION 3: Composition/information on ingredients

#### Substances 3.1.

Not applicable



Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Date of issue: 24.05.2021 Version: 1

#### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
LPG (Note K)(Note S)(Note U)	(CAS-No.) 68476-85-7 (EC-No.) 270-704-2	> 40 - < 45	Flam. Gas 1A, H220 Press. Gas (Comp.),
	(EC Index-No.) 649-202-00-6		H280
Naphtha (petroleum), hydrotreated light*	(CAS-No.) 64742-49-0	> 30 - <	Flam. Liq. 2, H225
(Note P)	(EC-No.) 265-151-9	35	Skin Irrit. 2, H315
	(EC Index-No.) 649-328-00-1		Repr. 2, H361f
			STOT SE 3, H336
			STOT RE 2, H373
			Asp. Tox. 1, H304
			Aquatic Chronic 2, H411
Methylene Chloride	(CAS-No.) <b>75-09-2</b>	>5-<6	Skin Irrit. 2, H315
substance with a Community workplace exposure limit	(EC-No.) 200-838-9		Eye Irrit. 2, H319
	(EC Index-No.) 602-004-00-3		Carc. 2, H351
			STOT SE 3, H336

Note K: The harmonised classification as a carcinogen or mutagen applies unless it can be shown that the substance contains less than 0,1% w/w 1,3- butadiene (Einecs No 203-450-8), in which case a classification in accordance with Title II of this Regulation shall be performed also for those hazard classes. Where the substance is not classified as a carcinogen or mutagen, at least the precautionary statements (P102-)P210-P403 shall apply.

Note P: The harmonised classification as a carcinogen or mutagen applies unless it can be shown that the substance contains less than 0,1% w/w benzene (Einecs No 200-753-7), in which case a classification in accordance with Title II of this Regulation shall be performed also for those hazard classes. Where the substance is not classified as a carcinogen or mutagen, at least the precautionary statements ( $P_{102}$ -) $P_{260}$ - $P_{262}$ - $P_{301}$  +  $P_{310}$ - $P_{331}$  shall apply.

Note S: This substance may not require a label according to Article 17 (see section 1.3 of Annex I) (Table 3.1).

Note U (Table 3): When put on the market gases have to be classified as 'Gases under pressure', in one of the groups compressed gas, liquefied gas, refrigerated liquefied gas or dissolved gas. The group depends on the physical state in which the gas is packaged and therefore has to be assigned case by case.

Full text of H- and EUH-statements: see section 16

#### **SECTION 4: First aid measures**

#### 4.1. Description of first aid measures

First-aid measures general : IF exposed or concerned: Get medical advice/attention.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : Wash skin with plenty of water. Take off contaminated clothing. If skin

irritation occurs: Get medical advice/attention.



#### Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Date of issue: 24.05.2021 Version: 1

First-aid measures after eye contact : Rinse eyes with water as a precaution.

First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects : May cause drowsiness or dizziness.

Symptoms/effects after skin contact : Irritation.

Indication of any immediate medical attention and special treatment needed 4.3.

Treat symptomatically.

**SECTION 5: Firefighting measures** 

Extinguishing media 5.1.

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

Special hazards arising from the substance or mixture 5.2.

Fire hazard : Extremely flammable aerosol.

**Explosion** hazard : Pressurised container: May burst if heated.

Hazardous decomposition products in : Toxic fumes may be released.

case of fire

Advice for firefighters 5.3.

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-

contained breathing apparatus. Complete protective clothing.

#### **SECTION 6: Accidental release measures**

Personal precautions, protective equipment and emergency procedures 6.1.

#### For non-emergency personnel 6.1.1.

**Emergency procedures** : Ventilate spillage area. No open flames, no sparks, and no smoking. Do not

breathe dust/fume/gas/mist/vapours/spray. Avoid contact with skin and

eyes.

For emergency responders 6.1.2.

Protective equipment : Do not attempt to take action without suitable protective equipment. For

further information refer to section 8: "Exposure controls/personal

protection".

6.2. **Environmental precautions** 

Avoid release to the environment.

Methods and material for containment and cleaning up 6.3.

For containment : Collect spillage.

Methods for cleaning up : Mechanically recover the product. Notify authorities if product enters

sewers or public waters.

Other information : Dispose of materials or solid residues at an authorized site.



#### Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Date of issue: 24.05.2021 Version: 1

#### 6.4. Reference to other sections

For further information refer to section 13.

## SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling

: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment. Do not breathe dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well-ventilated area. Avoid contact with skin and eyes.

Hygiene measures

: Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

#### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions

: Protect from sunlight. Do not expose to temperatures exceeding 50  $^{\circ}$ C/ 122  $^{\circ}$ F. Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool.

#### 7.3. Specific end use(s)

No additional information available

#### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

Methylene Chloride (75-09-2)		
EU	Local name	Methylene chloride; Dichloromethane
EU	IOEL TWA	353 mg/m³
EU	IOEL STEL	706 mg/m³
EU	IOEL STEL [ppm]	200 ppm
EU	Notes	Skin
EU	BLV	4 % Parameter: COHb - Medium: Blood o.3 mg/l Parameter: methylene chloride - Medium: urine 1 mg/l Parameter: methylene chloride - Medium: blood
EU	Regulatory reference	COMMISSION DIRECTIVE (EU) 2017/164

## 8.2. Exposure controls

Appropriate engineering controls:

Ensure good ventilation of the work station.



#### Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Date of issue: 24.05.2021 Version: 1

Hand protection:

Protective gloves

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

[In case of inadequate ventilation] wear respiratory protection.

Personal protective equipment symbol(s):



Environmental exposure controls:

Avoid release to the environment.

#### **SECTION 9: Physical and chemical properties**

9.1. Information on basic physical and chemical properties

Physical state : Liquid

Appearance : Liquid under pressure.

Colour : Colourless.

Odour : characteristic.

Odour threshold : No data available

pH : No data available

Relative evaporation rate

(butylacetate=1)

: No data available

Melting point : Not applicable

Freezing point : No data available

Boiling point : No data available

Flash point : No data available

Auto-ignition temperature : No data available

Decomposition temperature : No data available

Flammability (solid, gas) : Extremely flammable aerosol.

Vapour pressure : No data available



#### Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Date of issue: 24.05.2021 Version: 1

Relative vapour density at 20 °C : No data available

Relative density : No data available

Solubility : No data available

Partition coefficient n-octanol/water

(Log Pow)

: No data available

Viscosity, kinematic : No data available

Viscosity, dynamic : No data available

Explosive properties : Pressurised container: May burst if heated.

Oxidising properties : No data available

Explosive limits : No data available

#### 9.2. Other information

No additional information available

#### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Extremely flammable aerosol. Pressurised container: May burst if heated.

#### 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

#### 10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

#### 10.5. Incompatible materials

No additional information available

#### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

#### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

#### Naphtha (petroleum), hydrotreated light\* (64742-49-0)



#### Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Date of issue: 24.05.2021 Version: 1

Naphtha (petroleum), hydrotreated light* (64742-49-0)	
LD50 oral rat	≥ 5 g/kg
LD50 dermal rabbit	≥ 2 g/kg
LC50 Inhalation - Rat	≥ 5.2 mg/l

Skin corrosion/irritation : Causes skin irritation.

Serious eye damage/irritation : Not classified
Respiratory or skin sensitisation : Not classified
Germ cell mutagenicity : Not classified

Carcinogenicity : Suspected of causing cancer.

Reproductive toxicity : Suspected of damaging fertility or the unborn child.

STOT-single exposure : May cause drowsiness or dizziness.

STOT-repeated exposure : May cause damage to organs through prolonged or repeated exposure.

Naphtha (petroleum), hydrotreated light* (64742-49-0)	
LOAEC (inhalation, rat, vapour, 90 days)  4.71 mg/l air Animal: rat, Guideline: EU Method B.29 (Sub-Chronic Inhalation Toxicity:90-Day Study)	
NOAEC (inhalation, rat, vapour, 90 days)	2.355 mg/l air Animal: rat, Guideline: EU Method B.29 (Sub-Chronic Inhalation Toxicity:90-Day Study)

Aspiration hazard : Not classified

Winkel Chain Grease Spray	
Vaporizer	aerosol

#### SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Toxic to aquatic life with long lasting effects.

Hazardous to the aquatic environment, short-term (acute)

: Not classified

Hazardous to the aquatic

: Toxic to aquatic life with long lasting effects.

environment, long-term (chronic)

#### 12.2. Persistence and degradability

No additional information available

#### 12.3. Bioaccumulative potential

No additional information available



## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Date of issue: 24.05.2021 Version: 1

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Results of PBT and vPvB assessment

No additional information available

#### 12.6. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's

sorting instructions.

Ecology - waste materials : Avoid release to the environment.

European List of Waste (LoW) code : 14 06 03\* - other solvents and solvent mixtures

15 01 11\* - metallic packaging containing a dangerous solid porous matrix

(e.g. asbestos), including empty pressure containers

R code/ D code : R13 - Storage of waste pending any of the operations numbered R 1 to R 12

(excluding temporary storage, pending collection, on the site where the

waste is produced)

#### **SECTION 14: Transport information**

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
1950	1950	1950	1950	1950
14.2. UN proper sł	nipping name			
AEROSOLS	AEROSOLS	Aerosols, flammable	AEROSOLS	AEROSOLS
Transport document description				
UN 1950 AEROSOLS,	UN 1950 AEROSOLS,	UN 1950 Aerosols,	UN 1950 AEROSOLS,	UN 1950 AEROSOLS,
2.1, (D),	2.1, MARINE	flammable, 2.1,	2.1,	2.1,
ENVIRONMENTALLY HAZARDOUS	POLLUTANT/ENVIRO NMENTALLY	ENVIRONMENTALLY HAZARDOUS	ENVIRONMENTALLY HAZARDOUS	ENVIRONMENTALLY HAZARDOUS



#### Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Date of issue: 24.05.2021 Version: 1

ADR	IMDG	IATA	ADN	RID
	HAZARDOUS			
14.3. Transport ha	azard class(es)			•
2.1	2.1	2.1	2.1	2.1
14.4. Packing gro	14.4. Packing group			
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environment	al hazards	•		
Dangerous for the environment: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes
	Marine pollutant : Yes			
No supplementary information available				

#### Special precautions for user 14.6.

#### - Overland transport

Classification code (ADR) : 5F

Special provisions (ADR) : 190, 327, 344, 625

: 11 Limited quantities (ADR) Excepted quantities (ADR) : Eo : P207 Packing instructions (ADR)

Special packing provisions (ADR) : PP87, RR6, L2

Mixed packing provisions (ADR) : MP9 Transport category (ADR) : 2 Special provisions for carriage -: V14

Packages (ADR)

Special provisions for carriage -: CV9, CV12

Loading, unloading and handling

(ADR)

Special provisions for carriage -: S2

Operation (ADR)

Tunnel restriction code (ADR) : D

- Transport by sea

EmS-No. (Spillage)

Special provisions (IMDG) : 63, 190, 277, 327, 344, 381, 959

Packing instructions (IMDG) : P207, LP200 Special packing provisions (IMDG) : PP87, L2 EmS-No. (Fire) : F-D : S-U



#### Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Date of issue: 24.05.2021 Version: 1

Stowage category (IMDG) : None

Stowage and handling (IMDG) : SW1, SW22

Segregation (IMDG) : SG69

- Air transport

PCA Excepted quantities (IATA) : E0
PCA Limited quantities (IATA) : Y203
PCA limited quantity max net quantity : 30kgG

(IATA)

PCA packing instructions (IATA) : 203
PCA max net quantity (IATA) : 75kg
CAO packing instructions (IATA) : 203
CAO max net quantity (IATA) : 150kg

Special provisions (IATA) : A145, A167, A802

ERG code (IATA) : 10L

- Inland waterway transport

Classification code (ADN) : 5F

Special provisions (ADN) : 190, 327, 344, 625

Limited quantities (ADN) : 1 L

Excepted quantities (ADN) : Eo

Equipment required (ADN) : PP, EX, A
Ventilation (ADN) : VE01, VE04

Number of blue cones/lights (ADN) : 1

- Rail transport

Classification code (RID) : 5F

Special provisions (RID) : 190, 327, 344, 625

Limited quantities (RID) : 1L

Excepted quantities (RID) : Eo

Packing instructions (RID) : P207, LP200 Special packing provisions (RID) : PP87, RR6, L2

Mixed packing provisions (RID) : MP9
Transport category (RID) : 2
Special provisions for carriage – : W14

Packages (RID)

Special provisions for carriage - : CW9, CW12

Loading, unloading and handling (RID)

Colis express (express parcels) (RID) : CE2 Hazard identification number (RID) : 23



#### Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Date of issue: 24.05.2021 Version: 1

# 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code Not applicable

#### SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions Contains no substance on the REACH candidate list

#### Contains no REACH Annex XIV substances

#### 15.1.2. National regulations

No additional information available

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

#### SECTION 16: Other information

Abbreviations and acronyms:

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration



## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Date of issue: 24.05.2021 Version: 1

LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disrupting properties

#### Data sources

: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006. Classification according to Regulation (EC) No. 1272/2008 [CLP].

#### Full text of H- and EUH-statements:

Aerosol 1	Aerosol, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Asp. Tox. 1	Aspiration hazard, Category 1
Carc. 2	Carcinogenicity, Category 2
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Gas 1A	Flammable gases, Category 1A
Flam. Liq. 2	Flammable liquids, Category 2
Press. Gas (Comp.)	Gases under pressure : Compressed gas



## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Date of issue: 24.05.2021 Version: 1

Repr. 2	Reproductive toxicity, Category 2
Repr. 2	Reproductive toxicity, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
H225	Highly flammable liquid and vapour.
H229	Pressurised container: May burst if heated.
H280	Contains gas under pressure; may explode if heated.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
Н336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H361	Suspected of damaging fertility or the unborn child.
H361f	Suspected of damaging fertility.
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.

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