

**Chain Wax**

Revision date: 16.06.2015

Product code: 459

Page 1 of 10

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

**1.1. Product identifier**

Chain Wax

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

**Use of the substance/mixture**

Cleaning and care agent

**1.3. Details of the supplier of the safety data sheet**

Company name:	CTP GmbH	
Street:	Saalfelder Strasse 35h	
Place:	D-07338 Leutenberg	
Telephone:	+49 (0)36734 230-0	Telefax: +49 (0)36734 230-22
e-mail:	msds@bluechemgroup.com	
Contact person:	Jens Moeller, Dipl.-Chem.	Telephone: +49 (0)36734 230-19
Internet:	www.bluechemgroup.com	

**1.4. Emergency telephone number:**

For Germany: +49-361-730730 (24 hours/7 days)

**Further Information**

Article Number: 3082

**SECTION 2: Hazards identification**

**2.1. Classification of the substance or mixture**

**Regulation (EC) No. 1272/2008**

Hazard categories:

Aerosol: Aerosol 1

Skin corrosion/irritation: Skin Irrit. 2

Serious eye damage/eye irritation: Eye Irrit. 2

Specific target organ toxicity - single exposure: STOT SE 3

Hazardous to the aquatic environment: Aquatic Chronic 3

Hazard Statements:

Extremely flammable aerosol.

Pressurised container: May burst if heated.

Causes skin irritation.

Causes serious eye irritation.

May cause drowsiness or dizziness.

Harmful to aquatic life with long lasting effects.

**2.2. Label elements**

**Regulation (EC) No. 1272/2008**

**Hazard components for labelling**

Hydrocarbons C7, n-alkanes, iso-alkanes, cyclics

Hydrocarbons, C6-C7, n-Alkanes, Isoalkanes, Cyclenes, < 5% n-hexane

**Signal word:** Danger

**Pictograms:**



**Hazard statements**

H222 Extremely flammable aerosol.

H229 Pressurised container: May burst if heated.

**Chain Wax**

Revision date: 16.06.2015

Product code: 459

Page 2 of 10

H315	Causes skin irritation.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H412	Harmful to aquatic life with long lasting effects.

**Precautionary statements**

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
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.
P261	Avoid breathing aerosole.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER/doctor if you feel unwell.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P501	Dispose of this material and its container to hazardous or special waste collection point.

**2.3. Other hazards**

No information available.

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

**3.2. Mixtures**

**Chemical characterization**

Surface tension compounds  
corrosion preventing agent

Aerosol propellant:  
Propane/butane-mixture

**Chain Wax**

Revision date: 16.06.2015

Product code: 459

Page 3 of 10

**Hazardous components**

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
74-98-6	propane			10 - 20 %
	200-827-9	601-003-00-5		
	Flam. Gas 1; H220			
75-28-5	isobutane			10 - 20 %
	200-857-2	601-004-00-0		
	Flam. Gas 1; H220			
N/A	Hydrocarbons C7, n-alkanes, iso-alkanes, cyclics			2,5 - 10 %
	927-510-4		01-2119475515-33	
	Flam. Liq. 2, Skin Irrit. 2, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H225 H315 H336 H304 H411			
	Hydrocarbons, C6-C7, n-Alkanes, Isoalkanes, Cyclenes, < 5% n-hexane			2,5 - 10 %
	921-024-6		01-2119475514-35	
	Flam. Liq. 2, Skin Irrit. 2, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H225 H315 H336 H304 H411			
106-97-8	butane			2,5 - 10 %
	203-448-7	601-004-00-0		
	Flam. Gas 1; H220			
	Calcium-petroleum-sulfonate			1,0 - 2,5 %
	263-093-9			
	Skin Irrit. 2; H315			
68608-26-4	Sodium sulfonate			1,0 - 2,5 %
	301-210-8			
	Eye Dam. 1; H318			

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

**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

**General information**

Move victim to fresh air. Put victim at rest and keep warm.

**After inhalation**

Move victim to fresh air. Put victim at rest and keep warm.

In case of difficulties of breathing consult physician.

If victim is at risk of losing consciousness, position and transport on their side.

**After contact with skin**

Take off immediately all contaminated clothing, including underwear and shoes.

After contact with skin, wash immediately with plenty of water and soap.

Rub greasy ointment into the skin.

**After contact with eyes**

Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart.

Consult physician.

**After ingestion**

Let water be drunken in little sips (dilution effect). Consult physician.

**Chain Wax**

Revision date: 16.06.2015

Product code: 459

Page 4 of 10

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

Frequently or prolonged contact with skin may cause dermal irritation.

Irritation of eyes: Irritant effect possible.

: Vapours may cause drowsiness and dizziness.

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

Warning about danger of aspiration.

**SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

**Suitable extinguishing media**

Extinguishing powder.

Sand.

alcohol resistant foam.

Carbon dioxide (CO<sub>2</sub>).

**Unsuitable extinguishing media**

High power water jet.

**5.2. Special hazards arising from the substance or mixture**

Formation of decomposition products possible.

In case of fire and/or explosion do not breathe fumes.

**5.3. Advice for firefighters**

In case of fire: Wear self-contained breathing apparatus.

**Additional information**

Cool endangered container in case of fire.

Contaminated fire-fighting water must be collected separately.

**SECTION 6: Accidental release measures**

**6.1. Personal precautions, protective equipment and emergency procedures**

In case of fire: Wear self-contained breathing apparatus.

Keep away from sources of ignition. - No smoking.

Do not breathe gas/fumes/vapour/spray.

**6.2. Environmental precautions**

Beat down gas/vapours/mist with water spray.

Do not empty into drains or the aquatic environment.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

**6.3. Methods and material for containment and cleaning up**

Prevent spread over a wide area (e.g. by containment or oil barriers).

Wipe up with absorbent material (eg. cloth, fleece).

**6.4. Reference to other sections**

No data

**SECTION 7: Handling and storage**

**7.1. Precautions for safe handling**

**Advice on safe handling**

Closed devices. Vapours / aerosols must be extracted by suction immediately at point of origin.

Avoid contact with skin and eyes.

**Advice on protection against fire and explosion**

Keep away from sources of ignition. - No smoking. Take precautionary measures against static discharges.

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

**Chain Wax**

Revision date: 16.06.2015

Product code: 459

Page 5 of 10

**Requirements for storage rooms and vessels**

Keep container tightly closed in a cool, well-ventilated place. Storage in compliance with official storage regulations of aerosols.

Do not store at temperatures over: 50 °C

**Further information on storage conditions**

Packaging materials: metal.

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

No information available.

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

**8.1. Control parameters**

**Occupational exposure limits**

CAS No	Substance	ppm	mg/m <sup>3</sup>	fib/cm <sup>3</sup>	Category	Origin
106-97-8	Aliphatic hydrocarbon gases, Alkanes (C1-C4), Butane	1000	-	-	TWA (8 h)	
		-	-	-	STEL (15 min)	
74-98-6	Aliphatic hydrocarbon gases, Alkanes (C1-C4), Propane	1000	-	-	TWA (8 h)	
		-	-	-	STEL (15 min)	

**8.2. Exposure controls**

**Protective and hygiene measures**

Do not eat, drink, smoke or sneeze at the workplace. Wash hands before breaks and after work.

**Eye/face protection**

Wear tightly sealed safety glasses against possible splashes into the eyes. (DIN EN 166)

**Hand protection**

Use gloves.

**Skin protection**

Wear suitable solvent-proof protective clothing according to EN 465.

**Respiratory protection**

Provide for good ventilation, when develop aerosols/mist. In case of insufficient ventilation, wear suitable respiratory equipment.

**SECTION 9: Physical and chemical properties**

**9.1. Information on basic physical and chemical properties**

Physical state: Aerosol  
Colour: yellow  
Odour: characteristic

**Test method**

**Changes in the physical state**

Ignition temperature: > 200 °C  
Density (at 20 °C): 0,704 g/cm<sup>3</sup>  
Water solubility: insoluble  
(at 20 °C)  
Solvent content: 53,9 %

**9.2. Other information**

**Chain Wax**

Revision date: 16.06.2015

Product code: 459

Page 6 of 10

No data

**SECTION 10: Stability and reactivity**

**10.1. Reactivity**

No information available.

**10.2. Chemical stability**

No decomposition when used as intended.

**10.3. Possibility of hazardous reactions**

No dangerous reactions are known.

**10.4. Conditions to avoid**

Only use the material in places where open light, fire and other flammable sources can be kept away.

Do not store at temperatures over: 50 °C

Keep away from heat.

**10.5. Incompatible materials**

Oxidizing agents.

acid, concentrated.

Alkalis (alkalis), concentrated.

**10.6. Hazardous decomposition products**

Carbon monoxide (CO).

Carbon dioxide (CO<sub>2</sub>).

**SECTION 11: Toxicological information**

**11.1. Information on toxicological effects**

**Acute toxicity**

CAS No	Chemical name			
	Exposure route	Dose	Species	Source
N/A	Hydrocarbons C7, n-alkanes, iso-alkanes, cyclics			
	oral	LD50 >5840 mg/kg	Rat	
	dermal	LD50 >2920 mg/kg	Rat	
	inhalative (4 h) vapour	LC50 23,3 mg/l	Rat	
	Hydrocarbons, C6-C7, n-Alkanes, Isoalkanes, Cyclenes, < 5% n-hexane			
	oral	LD50 >5000 mg/kg	Rat	
	dermal	LD50 >2000 mg/kg	Rabbit	
	inhalative (4 h) vapour	LC50 >20 mg/l	Rat	
106-97-8	butane			
	inhalative (4 h) gas	LC50 273000 ppm	Rat	GESTIS
	Calcium-petroleum-sulfonate			
	oral	LD50 > 2000 mg/kg	Rat	
68608-26-4	Sodium sulfonate			
	oral	LD50 > 5000 mg/kg	Rat	

**Irritation and corrosivity**

Vapours may cause drowsiness and dizziness.

After skin contact: Frequently or prolonged contact with skin may cause dermal irritation.

Irritation of eyes: Irritant effect possible.

**Chain Wax**

Revision date: 16.06.2015

Product code: 459

Page 7 of 10

**SECTION 12: Ecological information**

**12.1. Toxicity**

CAS No	Chemical name				
	Aquatic toxicity	Dose	[h]   [d]	Species	Source
N/A	Hydrocarbons C7, n-alkanes, iso-alkanes, cyclics				
	Acute fish toxicity	LC50	>13,4 mg/l	96 h	fish
	Acute algae toxicity	ErC50	10-30 mg/l	72 h	algae
	Acute crustacea toxicity	EC50	3,0 mg/l	48 h	Dm
	Hydrocarbons, C6-C7, n-Alkanes, Isoalkanes, Cyclenes, < 5% n-hexane				
	Acute fish toxicity	LC50	11,4 mg/l	96 h	Oncorhynchus mykiss
	Acute algae toxicity	ErC50	30 mg/l	72 h	Pseudokirchneriella subcapitata
	Acute crustacea toxicity	EC50	3 mg/l	48 h	Daphnia magna

**12.2. Persistence and degradability**

tensides biologically degradable.

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
	Hydrocarbons, C6-C7, n-Alkanes, Isoalkanes, Cyclenes, < 5% n-hexane			
	Biodegradation	81%	28	
	Easily biodegradable (concerning to the criteria of the OECD)			

**12.3. Bioaccumulative potential**

No information available.

**Partition coefficient n-octanol/water**

CAS No	Chemical name	Log Pow
74-98-6	propane	2,36
75-28-5	isobutane	2,8
106-97-8	butane	2,89

**12.4. Mobility in soil**

No information available.

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

No information available.

**12.6. Other adverse effects**

No information available.

**Further information**

Do not empty into drains or the aquatic environment.

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

**Advice on disposal**

Do not dispose with household waste.

Do not empty into drains or the aquatic environment.

Have to add a Special treatment in compliance with official regulations in contact with approved waste disposal companies and with authorities in charge.

Arrange about the exact waste code with the local waste disposal expert.

**Chain Wax**

Revision date: 16.06.2015

Product code: 459

Page 8 of 10

**Waste disposal number of waste from residues/unused products**

160504 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; gases in pressure containers (including halons) containing hazardous substances  
Classified as hazardous waste.

**Waste disposal number of used product**

160504 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; gases in pressure containers (including halons) containing hazardous substances  
Classified as hazardous waste.

**Contaminated packaging**

Contaminated packing must be completely emptied and can be re-used following appropriate cleaning.  
Do not pierce, cut up or weld unclean container. (Explosion hazard.)

**SECTION 14: Transport information**

**Land transport (ADR/RID)**

**14.1. UN number:** UN 1950  
**14.2. UN proper shipping name:** AEROSOLS  
Propane/butane-mixture  
**14.3. Transport hazard class(es):** 2  
**14.4. Packing group:** -  
Hazard label: 2.1



Classification code: 5F  
Special Provisions: 190 327 344 625  
Limited quantity: 1 L  
Excepted quantity: E0  
Transport category: 2  
Hazard No: -  
Tunnel restriction code: D

**Inland waterways transport (ADN)**

**14.1. UN number:** UN 1950  
**14.2. UN proper shipping name:** AEROSOLS  
Propane/butane-mixture  
**14.3. Transport hazard class(es):** 2  
**14.4. Packing group:** -  
Hazard label: 2.1



Classification code: 5F  
Special Provisions: 190 327 344 625  
Limited quantity: 1 L  
Excepted quantity: E0

**Marine transport (IMDG)**

**14.1. UN number:** UN 1950



**Chain Wax**

Revision date: 16.06.2015

Product code: 459

Page 9 of 10

**14.2. UN proper shipping name:** AEROSOLS  
Propane/butane-mixture

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

**14.4. Packing group:** -

Hazard label: 2.1

Marine pollutant: -

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

Limited quantity: 1000 mL

Excepted quantity: E0

EmS: F-D, S-U



**Air transport (ICAO-TI/IATA-DGR)**

**14.1. UN number:** UN 1950

**14.2. UN proper shipping name:** AEROSOLS  
Propane/butane-mixture

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

**14.4. Packing group:** -

Hazard label: 2.1

Special Provisions: A145 A167 A802

Limited quantity Passenger: 30 kg G

Passenger LQ: Y203

Excepted quantity: E0

IATA-packing instructions - Passenger: 203

IATA-max. quantity - Passenger: 75 kg

IATA-packing instructions - Cargo: 203

IATA-max. quantity - Cargo: 150 kg



**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: no

**14.6. Special precautions for user**

No information available.

**14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**

No information available.

**SECTION 15: Regulatory information**

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

**EU regulatory information**

Restrictions on use (REACH, annex XVII):

Entry 28: isobutane; butane

2010/75/EU (VOC): 379,5 g/l

**Additional information**

Contains:

15 - 30 % hydrocarbons, aliphatic.

**Chain Wax**

Revision date: 16.06.2015

Product code: 459

Page 10 of 10

< 5 % anionic surfactants

**National regulatory information**

Water contaminating class (D): 2 - water contaminating

**15.2. Chemical safety assessment**

Chemical safety assessments for substances in this mixture were not carried out.

**SECTION 16: Other information**

**Relevant H and EUH statements (number and full text)**

H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
H225	Highly flammable liquid and vapour.
H229	Pressurised container: May burst if heated.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

**Further Information**

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights.

The receiver of our product is singularly responsible for adhering to existing laws and regulations.

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*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*