

WAXOYL AG

4015 Basel

Date printed 08.05.2013, Revision 08.05.2013

Version 02. Supersedes version: 01

Page 1 / 9

**SECTION 1: Identification of the substance / preparation and of the company****1.1 Product identifier****Waxoyl Professional 120-4 Aerosol****1.2 Relevant identified uses of the substance or mixture and uses advised against****1.2.1 Relevant uses**

Corrosion protection

**1.2.2 Uses advised against**

None known.

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

WAXOYL AG

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**Safety Data Sheet**

sdb@chemiebuero.de

**1.4 Emergency phone****Advisory body**

+49 (0)89-19240 (24h) (english)

**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture****2.1.1 Classification according to Regulation (EC) No 1272/2008 [CLP]**

see SECTION 16

**2.1.2 Classification according to Regulation 67/548/EEC or 1999/45/EC****Hazard symbols**

Extremely flammable



Dangerous for the environment

**R-phrases**

R 12: Extremely flammable.

R 66: Repeated exposure may cause skin dryness or cracking.

R 67: Vapours may cause drowsiness and dizziness.

R 51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

WAXOYL AG

4015 Basel

Date printed 08.05.2013, Revision 08.05.2013

Version 02. Supersedes version: 01

Page 2 / 9

**2.2 Label elements**

The product is classified and required to be labelled in accordance with EC-Directives

**Labelling according to Regulation 67/548/EEC or 1999/45/EC****Hazard symbols**

Extremely flammable



Dangerous for the environment

**R-phrases**

R 12: Extremely flammable.  
 R 66: Repeated exposure may cause skin dryness or cracking.  
 R 67: Vapours may cause drowsiness and dizziness.  
 R 51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**S-phrases**

S 23.4: Do not breathe spray.  
 S 51: Use only in well-ventilated areas.  
 S 60: This material and its container must be disposed of as hazardous waste.

**Special labelling**

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.  
 Keep out of the reach of children.

**2004/42/CE**

&lt; 840 g/l II B e Special finishes (max. 840 g/l)

**2.3 Other hazards****Physico-chemical hazards**

Risk of bursting.  
 Formation of explosive gas/air mixtures.

**Environmental hazards**

Does not contain any PBT or vPvB substances.

**Other hazards**

Further hazards were not determined with the current level of knowledge.

**SECTION 3: Composition / Information on ingredients****3.1 Product-type:**

The product is a mixture.

Range [%]	Substance
40 - 60	Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) CAS: 64742-82-1, EINECS/ELINCS: 919-446-0, EU-INDEX: 649-330-00-2, ECB-Nr.: 01-2119458049-33-xxxx GHS/CLP: Flam. Liq. 3 - H226 - Aquatic Chronic 2 - H411 - Asp. Tox. 1 - H304 - - - EUH066 - STOT SE 3 - H336 EEC: Xn-N, R 10-65-66-67-51/53
1 - < 20	Propane CAS: 74-98-6, EINECS/ELINCS: 200-827-9, EU-INDEX: 601-003-00-5 GHS/CLP: Flam. Gas 1 - H220 - Press. Gas (*) - H280 EEC: F+, R 12
1 - < 20	Butane CAS: 106-97-8, EINECS/ELINCS: 203-448-7, EU-INDEX: 601-004-00-0 GHS/CLP: Flam. Gas 1 - H220 - Press. Gas (*) - H280 EEC: F+, R 12

**Comment on component parts**

Substances of Very High Concern - SVHC: substances are not contained or are below 0,1%.  
 For full text of H-statements and R-phrases: see SECTION 16.

## WAXOYL AG

4015 Basel

Date printed 08.05.2013, Revision 08.05.2013

Version 02. Supersedes version: 01

Page 3 / 9

**SECTION 4: First aid measures****4.1 Description of first aid measures**

<b>General information</b>	Change soaked clothing.
<b>Inhalation</b>	Ensure supply of fresh air. In the event of symptoms seek for medical treatment.
<b>Skin contact</b>	In case of contact with skin wash off immediately with soap and water. Consult a doctor if skin irritation persists.
<b>Eye contact</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
<b>Ingestion</b>	Consult a doctor immediately.

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

Headache  
Vertigo  
Drowsiness

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

Treat symptomatically.

**SECTION 5: Fire-fighting measures****5.1 Extinguishing media**

<b>Suitable extinguishing media</b>	Carbon dioxide. Water spray jet. Dry powder. Foam.
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<b>Extinguishing media that must not be used</b>	Full water jet.
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**5.2 Special hazards arising from the substance or mixture**

Unknown risk of formation of toxic pyrolysis products.  
Bursting aerosols can be forcibly projected from a fire.

**5.3 Advice for firefighters**

Use self-contained breathing apparatus.  
Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.  
Cool containers at risk with water spray jet.

**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

Keep away from all sources of ignition.  
Ensure adequate ventilation.  
Use personal protective equipment.

**6.2 Environmental precautions**

Do not discharge into the drains/surface waters/groundwater.

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

Take up mechanically.  
Take up residues with absorbent material (e.g. sand).  
Dispose of absorbed material in accordance within the regulations.

**6.4 Reference to other sections**

See SECTION 8+13

## WAXOYL AG

4015 Basel

Date printed 08.05.2013, Revision 08.05.2013

Version 02. Supersedes version: 01

Page 4 / 9

**SECTION 7: Handling and storage****7.1 Precautions for safe handling**

Provide suitable vacuuming at the processing machines and in the processing area.  
 Avoid spilling or spraying in enclosed areas.  
 Use only in well-ventilated areas.  
 Keep away from all sources of ignition - Refrain from smoking.  
 Vapours can form an explosive mixture with air.  
 Do not eat, drink, smoke or take drugs at work.  
 Wash hands before breaks and after work.  
 Use barrier skin cream.

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

Provide solvent-resistant and impermeable floor.  
 Prevent penetration into the ground.  
 Do not store together with oxidizing agents.  
 Do not store together with food and animal food/diet.  
 Protect from heat/overheating.  
 Keep container in a well-ventilated place.

**7.3 Specific end use(s)**

See product use, SECTION 1.2

**SECTION 8: Exposure controls / personal protection****8.1 Control parameters****Ingredients with occupational exposure limits to be monitored (GB)**

Range [%]	Substance
40 - 60	Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)
	CAS: 64742-82-1, EINECS/ELINCS: 919-446-0, EU-INDEX: 649-330-00-2, ECB-Nr.: 01-2119458049-33-xxxx
	Long-term exposure: 500 mg/m <sup>3</sup>
1 - < 20	Butane
	CAS: 106-97-8, EINECS/ELINCS: 203-448-7, EU-INDEX: 601-004-00-0
	Long-term exposure: 600 ppm, 1450 mg/m <sup>3</sup>
	Short-term exposure (15-minute): 750 ppm, 1810 mg/m <sup>3</sup>

**DNEL**

Range [%]	Substance
40 - 60	Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%), CAS: 64742-82-1
	Industrial, dermal, Long-term - systemic effects: 44 mg/kg bw/day.
	Industrial, inhalative, Long-term - systemic effects: 330 mg/m <sup>3</sup> /8h.

## WAXOYL AG

4015 Basel

Date printed 08.05.2013, Revision 08.05.2013

Version 02. Supersedes version: 01

Page 5 / 9

**8.2 Exposure controls**

<b>Additional advice on system design</b>	Ensure adequate ventilation on workstation.
<b>Eye protection</b>	Safety glasses.
<b>Hand protection</b>	Viton, >120 min (EN 374). The details concerned are recommendations. Please contact the glove supplier for further information.
<b>Skin protection</b>	Protective clothing.
<b>Other</b>	Avoid contact with eyes and skin. Do not inhale gases/vapours/aerosols. Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of these equipments to chemicals should be ascertained with the respective supplier.
<b>Respiratory protection</b>	Breathing apparatus in the event of high concentrations. Short term: filter apparatus, combination filter A-P2.
<b>Thermal hazards</b>	none
<b>Delimitation and monitoring of the environmental exposition</b>	See SECTION 6+7.

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**

<b>Form</b>	aerosol
<b>Color</b>	pink
<b>Odor</b>	characteristic
<b>Odour threshold</b>	not applicable
<b>pH-value</b>	not applicable
<b>pH-value [1%]</b>	not applicable
<b>Boiling point [°C]</b>	not applicable
<b>Flash point [°C]</b>	not applicable
<b>Flammability [°C]</b>	yes
<b>Lower explosion limit</b>	not determined
<b>Upper explosion limit</b>	not determined
<b>Oxidizing properties</b>	no
<b>Vapour pressure/gas pressure [kPa]</b>	not determined
<b>Density [g/ml]</b>	0,80 (20 °C / 68,0 °F)
<b>Bulk density [kg/m<sup>3</sup>]</b>	not applicable
<b>Solubility in water</b>	insoluble
<b>Partition coefficient [n-octanol/water]</b>	not determined
<b>Viscosity</b>	not applicable
<b>Relative vapour density determined in air</b>	not applicable
<b>Evaporation speed</b>	not applicable
<b>Melting point [°C]</b>	not applicable
<b>Autoignition temperature [°C]</b>	not applicable
<b>Decomposition temperature</b>	not applicable

**9.2 Other information**

none

**SECTION 10: Stability and reactivity****10.1 Reactivity**

No dangerous reactions known if used as directed.

**10.2 Chemical stability**

Stable under normal ambient conditions (ambient temperature).

**WAXOYL AG**

4015 Basel

Date printed 08.05.2013, Revision 08.05.2013

Version 02. Supersedes version: 01

Page 6 / 9

**10.3 Possibility of hazardous reactions**

Evolution of flammable mixtures possible in air when heated above flash point and/or during spraying or misting.  
Risk of bursting.

**10.4 Conditions to avoid**

See SECTION 7.2.

**10.5 Incompatible materials**

not determined

**10.6 Hazardous decomposition products**

Flammable gases/vapours.

**SECTION 11: Toxicological information****11.1 Information on toxicological effects****Acute toxicity**

not determined,

**Serious eye damage/irritation** not determined**Skin corrosion/irritation** not determined**Respiratory or skin sensitisation** not determined**Specific target organ toxicity —  
single exposure** not determined**Specific target organ toxicity —  
repeated exposure** not determined**Mutagenicity** not determined**Reproduction toxicity** not determined**Carcinogenicity** not determined**General remarks**

Toxicological data of complete product are not available.  
The product was classified on the basis of the calculation procedure of the preparation directive.

**SECTION 12: Ecological information****12.1 Toxicity**

not determined,

**12.2 Persistence and degradability****Behaviour in environment  
compartments** not determined**Behaviour in sewage plant** not determined**Biological degradability** not determined**12.3 Bioaccumulative potential**

not determined

**12.4 Mobility in soil**

not determined

**12.5 Results of PBT and vPvB assessment**

Based on all available information not to be classified as PBT or vPvB respectively.

## WAXOYL AG

4015 Basel

Date printed 08.05.2013, Revision 08.05.2013

Version 02. Supersedes version: 01

Page 7 / 9

## 12.6 Other adverse effects

The product was classified on the basis of the calculation procedure of the preparation directive.

**SECTION 13: Disposal considerations**

## 13.1 Waste treatment methods

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

**Product**

Dispose of as hazardous waste.  
Coordinate disposal with the authorities if necessary.

**Waste no. (recommended)**

160504\* gases in pressure containers (including halons) containing dangerous substances

**Contaminated packaging**

Uncontaminated packaging may be taken for recycling.

**Waste no. (recommended)**

150110\*  
150104

**SECTION 14: Transport information**

## 14.1 UN number

See SECTION 14.2 in accordance with UN shipping name

## 14.2 UN proper shipping name

**Transport by land according to ADR/RID**

UN 1950 AEROSOLS 2.1

**- Classification Code**

5F

**- Label****- ADR LQ**

1 I

**- ADR 1.1.3.6 (8.6)**

Transport category (tunnel restriction code) 2 (D)

**Inland navigation (ADN)**

UN 1950 AEROSOLS 2.1

**- Classification Code**

5F

**- Label****Marine transport in accordance with IMDG**

UN 1950 Aerosols (Solvent Naphtha) 2.1 - MARINE POLLUTANT

**- EMS**

F-D, S-U

**- Label****- IMDG LQ**

1 I

**Air transport in accordance with IATA** UN 1950 Aerosols, flammable 2.1**- Label**

## 14.3 Transport hazard class(es)

See SECTION 14.2 in accordance with UN shipping name

## 14.4 Packing group

See SECTION 14.2 in accordance with UN shipping name

WAXOYL AG

4015 Basel

Date printed 08.05.2013, Revision 08.05.2013

Version 02. Supersedes version: 01

Page 8 / 9

**14.5 Environmental hazards**

See SECTION 14.2 in accordance with UN shipping name

**14.6 Special precautions for user**

Relevant information under SECTION 6 to 8.

**14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

not determined

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

<b>EEC-REGULATIONS</b>	1967/548 (1999/45); 1991/689 (2001/118); 1999/13; 2004/42; 648/2004; 1907/2006 (Reach); 1272/2008; 75/324/EEC (2008/47/EC); 453/2010/EC
<b>TRANSPORT-REGULATIONS</b>	DOT-Classification, ADR (2013); IMDG-Code (2013, 36. Amdt.); IATA-DGR (2013).
<b>NATIONAL REGULATIONS (GB):</b>	EH40/2005 Workplace exposure limits (Second edition, published December 2011). CHIP 3/ CHIP 4
- Observe employment restrictions for people	Observe employment restrictions for mothers-to-be and nursing mothers. Observe employment restrictions for young people.
- VOC (1999/13/CE)	~86 %

**15.2 Chemical safety assessment**

not applicable

**SECTION 16: Other information****16.1 Classification according to Regulation (EC) No 1272/2008 [CLP]**

Hazard pictograms



Signal word

DANGER

Flam. Aerosol 1 - H222 Extremely flammable aerosol.  
 STOT SE 3 - H336 May cause drowsiness or dizziness.  
 Aquatic Chronic 2 - H411 Toxic to aquatic life with long lasting effects.  
 EUH066 Repeated exposure may cause skin dryness or cracking.  
 H229 Pressurised container: May burst if heated.

Classification procedure

Classification according to conversion table Annex VII 1272/2008/EC

**16.2 R-phrases (SECTION 3)**

R 12: Extremely flammable.  
 R 10: Flammable.  
 R 65: Harmful - may cause lung damage if swallowed.  
 R 66: Repeated exposure may cause skin dryness or cracking.  
 R 67: Vapours may cause drowsiness and dizziness.  
 R 51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**16.3 Hazard statements (SECTION 3)**

H220 Extremely flammable gas.  
 H280 Contains gas under pressure; may explode if heated.  
 H226 Flammable liquid and vapour.  
 H411 Toxic to aquatic life with long lasting effects.  
 H304 May be fatal if swallowed and enters airways.  
 EUH066 Repeated exposure may cause skin dryness or cracking.  
 H336 May cause drowsiness or dizziness.



## WAXOYL AG

4015 Basel

Date printed 08.05.2013, Revision 08.05.2013

Version 02. Supersedes version: 01

Page 9 / 9

**16.4 Abbreviations and acronyms:**

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route  
 RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses  
 ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure  
 CAS = Chemical Abstracts Service  
 CLP = Classification, Labelling and Packaging  
 DMEL = Derived Minimum Effect Level  
 DNEL = Derived No Effect Level  
 EC50 = Median effective concentration  
 ECB = European Chemicals Bureau  
 EEC = European Economic Community  
 EINECS = European Inventory of Existing Commercial Chemical Substances  
 ELINCS = European List of Notified Chemical Substances  
 GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
 IATA = International Air Transport Association  
 IBC-Code = International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk  
 IC50 = Inhibition concentration, 50%  
 IMDG = International Maritime Code for Dangerous Goods  
 IUCLID = International Uniform Chemical Information Database  
 LC50 = Lethal concentration, 50%  
 LD50 = Median lethal dose  
 MARPOL = International Convention for the Prevention of Marine Pollution from Ships  
 PBT = Persistent, Bioaccumulative and Toxic substance  
 PNEC = Predicted No-Effect Concentration  
 REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals  
 TLV@/TWA = Threshold limit value – time-weighted average  
 TLV@STEL = Threshold limit value – short-time exposure limit  
 VOC = Volatile Organic Compounds  
 vPvB = very Persistent and very Bioaccumulative

**Modified position**

SECTION 16 been added: Observe employment restrictions for mothers-to-be and nursing mothers. Observe employment restrictions for young people.  
 SECTION 12 been added: Based on all available information not to be classified as PBT or vPvB respectively.  
 SECTION 9 been added: yes  
 SECTION 8 been added: Protective clothing.  
 SECTION 7 been added: Prevent penetration into the ground.  
 SECTION 7 been added: Do not store together with food and animal food/diet.  
 SECTION 6 been added: Use personal protective equipment.  
 SECTION 4 been added: Vertigo  
 SECTION 4 been added: Drowsiness  
 SECTION 4 been added: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 SECTION 4 been added: If eye irritation persists: Get medical advice/attention.  
 SECTION 4 deleted: In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.  
 SECTION 2 been added: Further hazards were not determined with the current level of knowledge.

**16.5 Other information**

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