Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH)
according to Regulation (EU) 2015/830

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

1.1. **product identifiers**

Article No. (manufacturer/supplier)	1042XX
Identification of the substance or mixture	glimtrex Holzschutzlasur

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

Relevant identified uses
paint
coating material

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

supplier (manufacturer/importer/downstream user/distributor)

glimtrex GmbH
Orkotten 68
48291 Telgte / Deutschland
Germany

Telephone: +49 (0) 2504 - 88887-111
Telefax: +49 (0) 2504 - 88887-112
info@glimtrex.de
www.glimtrex.de

Dept. responsible for information:

Sale	+49 (0) 2504 - 88887-111
E-mail (competent person)	info@glimtrex.de

1.4. **Emergency telephone number**

poison control centre berlin (24 h)	+49 (0) 30 30686700

SECTION 2: Hazards identification

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

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

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

2.2. **Label elements**

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

Hazard pictograms

Hazard statements

not applicable

Precautionary statements

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of the reach of children.
P103	Read label before use.

contains:

not applicable

Supplemental Hazard information (EU)

EUH208	Contains Cobalt bis (2-ethylhexanoate). May produce an allergic reaction.
EUH210	Safety data sheet available on request.

2.3. **Other hazards**

SECTION 3: Composition / information on ingredients

3.2. **Mixtures**

Product description / chemical characterization

Description Solvent-borne paints

Hazardous ingredients

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

EC No.	REACH No.	
CAS No.	Chemical name	Wt %
INDEX No.	classification: // Remark	

918-481-9 64742-48-9 649-327-00-6	01-2119457273-39 hydrocarbons, C10-C13, n-alkane, iso-alkane, cyclic compound, < 2 % aromatics Asp. Tox. 1 H304	50 - 70
205-250-6 136-52-7	01-2119524678-29-XXXX Cobalt bis (2-ethylhexanoate) Eye Irrit. 2 H319 / Skin Sens. 1 H317 / Repr. 2 H361 / Aquatic Acute 1 H400 / Aquatic Chronic 3 H412	0,1 - 0,15
245-018-1 22464-99-9	01-2119979088-21 2-ethylhexanoic acid, zirconium Repr. 2 H361	0,1 - 0,15

Additional information
Full text of H-phrases: see section 16.

SECTION 4: First aid measures

4.1. **Description of first aid measures**

General information

In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness give nothing by mouth, place in recovery position and seek medical advice.

In case of inhalation
Remove casualty to fresh air and keep warm and at rest. In case of irregular breathing or respiratory arrest provide artificial respiration.

Following skin contact
Take off immediately all contaminated clothing. After contact with skin, wash immediately with plenty of water and soap. Do not use solvents or thinners.

After eye contact
Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice immediately.

After ingestion
If swallowed, rinse mouth with water (only if the person is conscious). Seek medical advice immediately. Keep victim calm. Do NOT induce vomiting.

4.2. **Most important symptoms and effects, both acute and delayed**
In all cases of doubt, or when symptoms persist, seek medical advice.

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

SECTION 5: Firefighting measures

5.1. **Extinguishing media**

Suitable extinguishing media:
alcohol resistant foam, carbon dioxide, Powder, spray mist, (water)

Extinguishing media which must not be used for safety reasons:
strong water jet

5.2. **Special hazards arising from the substance or mixture**
Dense black smoke occurs during fire. Inhaling hazardous decomposing products can cause serious health damage.

5.3. **Advice for firefighters**
Provide a conveniently located respiratory protective device. Cool closed containers that are near the source of the fire. Do not allow water used to extinguish fire to enter drains, ground or waterways.

SECTION 6: Accidental release measures

6.1. **Personal precautions, protective equipment and emergency procedures**
Keep away from sources of ignition. Ventilate affected area. Do not breathe vapours. See protective measures under point 7 and 8.

6.2. **Environmental precautions**
Do not allow to enter into surface water or drains. If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations.

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

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see section 13). Clean using cleansing agents. Do not use solvents.

6.4. **Reference to other sections**
Observe protective provisions (see chapter 7 and 8).

SECTION 7: Handling and storage

Due to the content of organic solvents in the preparation:

7.1. **Precautions for safe handling**

Advices on safe handling

Avoid formation of flammable and explosive vapour concentrations in the air and exceeding the exposure limit values. Only use the material in places where open light, fire and other flammable sources can be kept away. Electrical equipment must be protected meeting the accepted standard. Keep away from heat sources, sparks and open flames. Use only spark proof tools. Avoid contact with skin, eyes and clothes. Do not inhale dusts, particulates and spray mist when using this preparation. Avoid respiration of swarf. When using do not eat, drink or smoke. Personal protection equipment: refer to section 8. Do not empty containers with pressure - no pressure vessel! Always keep in containers that correspond to the material of the original container. Follow the legal protection and safety regulations.

Precautions against fire and explosion:
Vapours are heavier than air. Vapours form explosive mixtures with air.

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

Requirements for storage rooms and vessels
Storage in accordance with the Ordinance on Industrial Safety and Health (BetrSiVO). Keep container tightly closed. Do not empty containers with pressure - no pressure vessel! Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks. Soils have to conform to the "Guidelines for avoidance of ignition hazards due to electrostatic charges (TRBS 2153)".

Hints on joint storage
Keep away from strongly acidic and alkaline materials as well as oxidizers.

Further information on storage conditions
Take care of instructions on label. Store in a well-ventilated and dry room at temperatures between 15 °C and 30 °C. Protect from heat and direct sunlight. Keep container tightly closed. Remove all sources of ignition. Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks.

7.3. **Specific end use(s)**
Observe technical data sheet. Observe instructions for use.

SECTION 8: Exposure controls/personal protection

8.1. **Control parameters**
Occupational exposure limit values:

Cobalt bis (2-ethylhexanoate)
EC No. 205-250-6 / CAS No. 136-52-7
TWA: 0,1 mg/m3

2-ethylhexanoic acid, zirconium
EC No. 245-018-1 / CAS No. 22464-99-9
TWA: 5 mg/m3
STEL: 10 mg/m3

Additional information
TWA : long-term occupational exposure limit value
STEL : short-term occupational exposure limit value
Ceiling : peak limitation

DNEL:

Cobalt bis (2-ethylhexanoate)
EC No. 205-250-6 / CAS No. 136-52-7
DNEL long-term inhalative (systemic), Workers: 0,2351 mg/m³
DNEL long-term oral (repeated), Consumer: 0,0558 mg/kg
DNEL long-term inhalative (systemic), Consumer: 0,037 mg/m³
No data available

2-ethylhexanoic acid, zirconium
EC No. 245-018-1 / CAS No. 22464-99-9
DNEL long-term dermal (systemic), Workers: 15,75 mg/kg

PNEC:

Cobalt bis (2-ethylhexanoate)
EC No. 205-250-6CAS No. 136-52-7
PNEC aquatic, freshwater: 0,0005 mg/l
PNEC sediment, marine water: 9,5 mg/kg
PNEC, Soil: 7,9 mg/kg
PNEC sewage treatment plant (STP): 0,37 mg/l

2-ethylhexanoic acid, zirconium
EC No. 245-018-1CAS No. 22464-99-9
PNEC aquatic, freshwater: 0,36 mg/l
PNEC aquatic, marine water:
PNEC sediment, marine water:

8.2. **Exposure controls**

Provide good ventilation. This can be achieved with local or room suction. If this should not be sufficient to keep aerosol and solvent vapour concentration below the exposure limit values, a suitable respiratory protection must be used.

Occupational exposure controls

Respiratory protection

If concentration of solvents is beyond the occupational exposure limit values, approved and suitable respiratory protection must be used. Observe the wear time limits according GefStoffV in combination with the rules for using respiratory protection apparatus (BGR 190). Use only respiratory protection equipment with CE-symbol including four digit test number.

Hand protection

For prolonged or repeated handling the following glove material must be used: e.g. Nitrile (according to DIN EN 374)
Thickness of the glove material > 0,4 mm ; Breakthrough time (maximum wearing time) > 480 min.
Observe the instructions and details for use, storage, maintenance and replacement provided by the protective glove manufacturer. Penetration time of glove material depending on intensity and duration of exposure to skin. Recommended glove articles DIN EN 374
Barrier creams can help protecting exposed skin areas. In no case should they be used after contact.

Eye protection

Wear closely fitting protective glasses in case of splashes.

Protective clothing

Wear antistatic clothing of natural fibers (cotton) or heat resistant synthetic fibers.

Protective measures

After contact clean skin thoroughly with water and soap or use appropriate cleanser.

Environmental exposure controls

Do not allow to enter into surface water or drains. See chapter 7. No additional measures necessary.

SECTION 9: Physical and chemical properties

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

Appearance:	
Physical state:	**liquid**
Colour:	**refer to label**
Odour:	**characteristic**
Odour threshold:	**not applicable**
pH at 20 °C:	**not applicable**
Melting point/freezing point:	**not applicable**
Initial boiling point and boiling range:	**173 °C** Method: DIN 53171 Source: Terpene hydrocarbons, by-products
Flash point:	**> 61 °C**
Evaporation rate:	**not applicable**
Flammability (solid, gas):	
burning time (s):	**not applicable**

Upper/lower flammability or explosive limits:

Lower explosion limit:	**0,6 Vol-%** Method: calculated Source: hydrocarbons, C10-C13, n-alkane, iso-alkane, cyclic compound, < 2 % aromatics
Upper explosion limit:	**7 Vol-%** Method: calculated Source: hydrocarbons, C10-C13, n-alkane, iso-alkane, cyclic compound, < 2 % aromatics
Vapour pressure at 20 °C:	**not applicable**
Vapour density:	**not applicable**
Relative density:	
Density at 20 °C:	**0,865 g/cm³** Method: DIN 53217
Solubility(ies):	
Water solubility (g/L) at 20 °C:	**insoluble**
Partition coefficient: n-octanol/water:	**see section 12**
Auto-ignition temperature:	**240 °C** Method: calculated Source: hydrocarbons, C10-C13, n-alkane, iso-alkane, cyclic compound, < 2 % aromatics
Decomposition temperature:	**not applicable**
Viscosity at 40 °C:	**24,68 mm²/s** Method: kinematisch
Explosive properties:	**not applicable**
Oxidising properties:	**not applicable**

9.2. **Other information**

Solid content (%):	**37 Wt %**
solvent content:	
Organic solvents:	**62 Wt %**
Water:	**0 Wt %**

SECTION 10: Stability and reactivity

10.1. **Reactivity**

10.2. **Chemical stability**
Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to chapter 7.

10.3. **Possibility of hazardous reactions**
Keep away from strong acids, strong bases and strong oxidizing agents to avoid exothermic reactions.

10.4. **Conditions to avoid**
Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to chapter 7. Hazardous decomposition byproducts may form with exposure to high temperatures.

10.5. **Incompatible materials**

10.6. **Hazardous decomposition products**
Hazardous decomposition byproducts may form with exposure to high temperatures, e.g.: carbon dioxide, carbon monoxide, smoke, nitrogen oxides.

SECTION 11: Toxicological information

Classification according to Regulation (EC) No 1272/2008 [CLP]
No data on preparation itself available.

11.1. **Information on toxicological effects**

Acute toxicity

Cobalt bis (2-ethylhexanoate)
oral, LD50, Rat:

hydrocarbons, C10-C13, n-alkane, iso-alkane, cyclic compound, < 2 % aromatics
inhalative (vapours), LC50, Rat: > 20 mg/l (4 h)

skin corrosion/irritation; Serious eye damage/eye irritation

Cobalt bis (2-ethylhexanoate)
Skin (4 h)
eyes

Respiratory or skin sensitisation

Cobalt bis (2-ethylhexanoate)
Skin:

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Cobalt bis (2-ethylhexanoate)
Reproductive toxicity

2-ethylhexanoic acid, zirconium
Reproductive toxicity

Specific target organ toxicity

Cobalt bis (2-ethylhexanoate)
Specific target organ toxicity (single exposure), Irritation:

Aspiration hazard

Toxicological data are not available.

Practical experience/human evidence

Other observations:
Inhaling of solvent components above the MWC-value can lead to health damage, e.g. irritation of the mucous membrane and respiratory organs, as well as damage to the liver, kidneys and the central nerve system. Indications for this are: headache, dizziness, fatigue, amyosthenia, drowsiness, in serious cases: unconsciousness. Solvents may cause some of the aforementioned effects through skin resorption. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and/or absorption through skin. Splashing may cause eye irritation and reversible damage.

Overall Assessment on CMR properties

The ingredients in this mixture do not meet the criteria for classification as CMR category 1A or 1B according to CLP.

SECTION 12: Ecological information

overall evaluation
Classification according to Regulation (EC) No 1272/2008 [CLP]
There is no information available on the preparation itself .
Do not allow to enter into surface water or drains.

12.1. **Toxicity**

Cobalt bis (2-ethylhexanoate)
Fish toxicity, LC50: 0,1 - 1 mg/l (96 h)
Daphnia toxicity, EC50: 0,1 - 1 mg/l (48 h)
Algae toxicity, ErC50, Algae: 0,1 - 1 mg/l

hydrocarbons, C10-C13, n-alkane, iso-alkane, cyclic compound, < 2 % aromatics
Fish toxicity, LC50: > 1000 mg/l (96 h)
Daphnia toxicity, EC50: > 1000 mg/l (48 h)
Algae toxicity, ErC50: > 1000 mg/l

Long-term Ecotoxicity

Cobalt bis (2-ethylhexanoate)
Fish toxicity, LC50: (96 h)
Daphnia toxicity, EC50: (48 h)
Algae toxicity, ErC50:

12.2. **Persistence and degradability**
Toxicological data are not available.

12.3. **Bioaccumulative potential**
Toxicological data are not available.

Bioconcentration factor (BCF)

Toxicological data are not available.

12.4. **Mobility in soil**

Toxicological data are not available.

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

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. **Other adverse effects**

SECTION 13: Disposal considerations

13.1. **Waste treatment methods**

Appropriate disposal / Product

Recommendation

Do not allow to enter into surface water or drains. This material and its container must be disposed of in a safe way. Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

List of proposed waste codes/waste designations in accordance with EWC

080112 waste paint and varnish other than those mentioned in 080111

packaging

Recommendation

Non-contaminated packages may be recycled. Vessels not properly emptied are special waste.

SECTION 14: Transport information

No dangerous good in sense of this transport regulation.

14.1. **UN number**

not applicable

14.2. **UN proper shipping name**

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

not applicable

14.4. **Packing group**

not applicable

14.5. **Environmental hazards**

Land transport (ADR/RID)	not applicable
Marine pollutant	not applicable

14.6. **Special precautions for user**

Transport always in closed, upright and safe containers. Make sure that persons transporting the product know what to do in case of an accident or leakage.
Advices on safe handling: see parts 6 - 8

Further information

Land transport (ADR/RID)

tunnel restriction code	-

Sea transport (IMDG)

EmS-No.	not applicable

Air transport (ICAO-TI / IATA-DGR)

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**

EU legislation

Directive 2010/75/EU on industrial emissions

VOC-value (in g/L): 544

Directive 2004/42/EC on the limitation of emissions of volatile organic compounds
VOC product category: (Cat. A/f) ; VOC limit value: 700 g/l
Maximum VOC content (g/L) of the product in a ready to use condition: 544

National regulations

Restrictions of occupation
Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.
Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

15.2. **Chemical Safety Assessment**
For the following substances of this preparation a chemical safety assessment has been carried out:

EC No. CAS No.	Chemical name	REACH No.
918-481-9 64742-48-9	hydrocarbons, C10-C13, n-alkane, iso-alkane, cyclic compound, < 2 % aromatics	01-2119457273-39
205-250-6 136-52-7	Cobalt bis (2-ethylhexanoate)	01-2119524678-29-XXXX
245-018-1 22464-99-9	2-ethylhexanoic acid, zirconium	01-2119979088-21

SECTION 16: Other information

Full text of classification in section 3:

Asp. Tox. 1 / H304	Aspiration hazard	May be fatal if swallowed and enters airways.
Eye Irrit. 2 / H319	Serious eye damage/eye irritation	Causes serious eye irritation.
Skin Sens. 1 / H317	Respiratory or skin sensitisation	May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child (state specific effect if known) (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).
Repr. 2 / H361	Reproductive toxicity	
Aquatic Acute 1 / H400	Hazardous to the aquatic environment	Very toxic to aquatic organisms.
Aquatic Chronic 3 / H412	Hazardous to the aquatic environment	Harmful to aquatic life with long lasting effects.

Abbreviations and acronyms
For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

Further information
Classification according to Regulation (EC) No 1272/2008 [CLP]

The information supplied on this safety data sheet complies with our current level of knowledge as well as with national and EU regulations. Without written approval, the product must not be used for purposes different from those mentioned in chapter 1. It is always the user's duty to take any necessary measures for meeting the requirements laid down by local rules and regulations. The details in this safety data sheet describe the safety requirements of our product and are not to be regarded as guaranteed attributes of the product.