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

1.1. Product identifier

Trade name or designation of the mixture Tgard TNC-6

Registration number -

Synonyms None.

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

Identified uses Industrial use.

Uses advised against None known.

1.3. Details of the supplier of the safety data sheet

Company name Laird

Address 4707 Detroit Ave
Cleveland, Ohio 44102
United States of America

Telephone number +1-216-939-2300

Email clv-customerservice@lairdtech.com

Manufacturer Laird

Address C3&C4 Building, HongTai Industry Park, NO 87 TaiFeng Road, TEDA
TianJin, China

Telephone number +86(0)22-66298160

Corporate Office Laird PLC

Address 100 Pall Mall, London, SW1Y 5NQ
United Kingdom

1.4. Emergency telephone number +44 (0)20 7468 4040

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

Classification according to Regulation (EC) No 1272/2008 as amended

This mixture does not meet the criteria for classification according to Regulation (EC) 1272/2008 as amended.

2.2. Label elements

Label according to Regulation (EC) No. 1272/2008 as amended

Hazard pictograms None.

Signal word None.

Hazard statements The mixture does not meet the criteria for classification.

Precautionary statements

Prevention Observe good industrial hygiene practices.

Response Wash hands after handling.

Storage Store away from incompatible materials.

Disposal Dispose of waste and residues in accordance with local authority requirements.

Supplemental information on the label None.

2.3. Other hazards

This mixture does not contain substances assessed to be vPvB / PBT according to Regulation (EC) No 1907/2006, Annex XIII.

The mixture does not contain any substances included in the list established in accordance with REACH Article 59(1) for having endocrine disrupting properties at a concentration equal to or greater than 0.1% by weight.

The mixture does not contain any substances having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0.1% by weight.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
Fiberglass	4 - 8	65997-17-3 266-046-0	-	650-016-00-2	#

Classification: -

List of abbreviations and symbols that may be used above

#: This substance has been assigned Union workplace exposure limit(s).

Composition comments

All concentrations are in percent by weight. Components not listed are either non-hazardous or are below reportable limits.

SECTION 4: First aid measures

General information

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

4.1. Description of first aid measures

Inhalation	Under normal conditions of intended use, this material is not expected to be an inhalation hazard.
Skin contact	Wash hands with water as a precaution. No adverse effects due to skin contact are expected.
Eye contact	Flush eyes with water as a precaution. No adverse effects due to eye contact are expected.
Ingestion	Rinse mouth. No harmful effects expected in amounts likely to be ingested by accident.

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

Under normal conditions of intended use, this product is not expected to be a health risk.

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

Treat symptomatically.

SECTION 5: Firefighting measures

General fire hazards

No unusual fire or explosion hazards noted.

5.1. Extinguishing media

Suitable extinguishing media	Use fire-extinguishing media appropriate for surrounding materials.
Unsuitable extinguishing media	No restrictions known.

5.2. Special hazards arising from the substance or mixture

During fire, hazardous combustion products are released that may include: Carbon oxides. Fumes of metal oxides. Silicon oxide fumes.

5.3. Advice for firefighters

Special protective equipment for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Special fire fighting procedures	In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do it without risk.

Specific methods

Use standard firefighting procedures and consider the hazards of other involved materials.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	Wear appropriate personal protective equipment.
For emergency responders	Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up.

6.2. Environmental precautions

Avoid discharge into drains, water courses or onto the ground.

6.3. Methods and material for containment and cleaning up

Stop the flow of material, if this is without risk. Pick up and arrange disposal. Recover and recycle, if practical.

6.4. Reference to other sections

For personal protection, see section 8 of the SDS. For waste disposal, see section 13 of the SDS.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

No special precautions are necessary beyond normal good hygiene practices. See Section 8 for additional personal protection advice when handling this product. Observe good industrial hygiene practices.

7.2. Conditions for safe storage, including any incompatibilities

Store in closed original container in a dry place. Store away from incompatible materials (see section 10 of the SDS).

TRGS 510 storage class: 13.

7.3. Specific end use(s)

Industrial use. Observe industrial sector guidance on best practices.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

Austria. MAK List Components

Components	Type	Value	Form
Filler	MAK	5 mg/m ³	Respirable fume.
		5 mg/m ³	Respirable fraction.
		10 mg/m ³	Inhalable fraction.
	STEL	20 mg/m ³	Inhalable fraction.
		10 mg/m ³	Respirable fume.
		10 mg/m ³	Respirable fraction.

Austria. TRK List Components

Components	Type	Value	Form
Fiberglass (CAS 65997-17-3)	TWA	300000 fibers/m ³	Fiber.

Belgium. Exposure Limit Values Components

Components	Type	Value	Form
Fiberglass (CAS 65997-17-3)	TWA	1000000 fibers/m ³	Fiber.
Filler	TWA	1 mg/m ³	Respirable fraction.

Bulgaria. OEL values of carcinogens and mutagens at work (Reg. 10/2003 on prot. from carcinogens and mutagens at work, Ann. 1), as amended

Components	Type	Value	Form
Fiberglass (CAS 65997-17-3)	TWA	0,3 fibers/cm ³	Fiber.

Bulgaria. OELs. Regulation No 13 on protection of workers against risks of exposure to chemical agents at work

Components	Type	Value	Form
Filler	TWA	10 mg/m ³	Inhalable fraction.
		1,5 mg/m ³	Respirable fraction.

Croatia. OELs (GVI). Regulation on Protection of Workers against Exposure to Dangerous Chemicals at Work, OELs and Biological Limit Values, Annex I (NN 91/2018), as amended

Components	Type	Value	Form
Fiberglass (CAS 65997-17-3)	MAC	0,3 fibers/cm ³	
Filler	MAC	4 mg/m ³	Respirable dust.
		10 mg/m ³	Total dust.

Czech Republic. OELs. Government Decree 361

Components	Type	Value	Form
Fiberglass (CAS 65997-17-3)	TWA	1 fibers/cm ³	Respirable fibers.
		4 mg/m ³	
Filler	TWA	0,1 mg/m ³	Respirable dust.

Denmark. Exposure Limit Values

Components	Type	Value	Form
Fiberglass (CAS 65997-17-3)	TLV	0,3 fibers/cm3	Fiber.
Filler	TLV	5 mg/m3 2 mg/m3	Total Respirable.

Estonia. OELs. Occupational Exposure Limits of Hazardous Substances (Regulation No. 105/2001, Annex), as amended

Components	Type	Value	Form
Fiberglass (CAS 65997-17-3)	TWA	1 fibers/ml	
Filler	TWA	4 mg/m3 10 mg/m3	Fine dust, respiratory fraction Total dust.

Finland. Government Decree on Work-related Cancer Risks

Components	Type	Value	Form
Fiberglass (CAS 65997-17-3)	TWA	0,3 fibers/cm3	Fiber.

Finland. Workplace Exposure Limits

Components	Type	Value	Form
Fiberglass (CAS 65997-17-3)	TWA	0,3 fibers/cm3	Respirable.

France. Threshold Limit Values (VLEP) for Occupational Exposure to Chemicals in France, INRS ED 984

Components	Type	Value	Form
Filler	VME	10 mg/m3	

Regulatory status: Indicative limit (VL)

Germany. DFG MAK List (advisory OELs). Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area (DFG)

Components	Type	Value	Form
Filler	TWA	4 mg/m3 1,5 mg/m3	Inhalable dust. Respirable dust.

Germany. TRGS 900, Limit Values in the Ambient Air at the Workplace

Components	Type	Value	Form
Filler	AGW	10 mg/m3 1,25 mg/m3	Inhalable fraction. Respirable fraction.

Greece. OELs (Decree No. 90/1999, as amended)

Components	Type	Value	Form
Filler	TWA	5 mg/m3 10 mg/m3	Respirable. Inhalable

Hungary. OELs. Joint Decree on Chemical Safety of Workplaces

Components	Type	Value	Form
Filler	TWA	5 mg/m3 2 mg/m3	Respirable.

Iceland. OELs. Regulation 390/2009 on Pollution Limits and Measures to Reduce Pollution at the Workplace, as amended

Components	Type	Value	Form
Filler	TWA	10 mg/m3	

Ireland. Occupational Exposure Limits

Components	Type	Value	Form
Fiberglass (CAS 65997-17-3)	TWA	2 fibers/cm3 5 mg/m3	
Filler	TWA	4 mg/m3 10 mg/m3	Respirable dust. Total inhalable dust.

Latvia. OELs. Occupational exposure limit values of chemical substances in work environment

Components	Type	Value	Form
Fiberglass (CAS 65997-17-3)	TWA	0,3 fibers/cm ³	
		2 mg/m ³	
Filler	TWA	6 mg/m ³	Decomposition aerosol.
		4 mg/m ³	

Norway. Administrative Norms for Contaminants in the Workplace

Components	Type	Value	Form
Fiberglass (CAS 65997-17-3)	TLV	5 mg/m ³	Total dust.
Filler	TLV	10 mg/m ³	

Poland. Maximum permissible concentrations and intensities of harmful factors in the work environment (Dz.U.Poz. 1286/2018, Annex 1)

Components	Type	Value	Form
Filler	TWA	2,5 mg/m ³	Inhalable fraction.
		1,2 mg/m ³	Respirable fraction.

Portugal. VLEs. Norm on occupational exposure to chemical agents (NP 1796)

Components	Type	Value	Form
Fiberglass (CAS 65997-17-3)	TWA	0,2 fibers/cm ³	Fiber.
		5 mg/m ³	Inhalable fraction.
Filler	TWA	1 mg/m ³	Respirable fraction.

Romania. OELs. Protection of workers from exposure to chemical agents at the workplace

Components	Type	Value	Form
Filler	STEL	5 mg/m ³	Aerosol
	TWA	2 mg/m ³	Aerosol

Slovakia. OELs. Decree of the government of the Slovak Republic concerning protection of health in work with chemical agents

Components	Type	Value	Form
Filler	TWA	4 mg/m ³	Inhalable fraction.
		0,1 mg/m ³	Respirable fraction.

Slovakia. OELs. Regulation No. 300/2007 concerning protection of health in work with chemical agents

Components	Type	Value
Fiberglass (CAS 65997-17-3)	TWA	2 fibers/cm ³

Slovenia. OELs. Regulations concerning protection of workers against risks due to exposure to chemicals while working (Official Gazette of the Republic of Slovenia)

Components	Type	Value	Form
Filler	TWA	10 mg/m ³	Inhalable fraction.
		1,25 mg/m ³	Respirable fraction.

Spain. Occupational Exposure Limits

Components	Type	Value	Form
Fiberglass (CAS 65997-17-3)	TWA	0,3 fibers/cm ³	Fiber.
Filler	TWA	10 mg/m ³	

Sweden

Components	Type	Value	Form
Fiberglass (CAS 65997-17-3)	TWA	1 fibers/cm ³	Fiber.

Sweden. OELs (Annex 1). Work Environment Authority (AV), Occupational Exposure Limit Values (AFS 2018:1), as amended

Components	Type	Value	Form
Fiberglass (CAS 65997-17-3)	TWA	1 fibers/ml	
Filler	TWA	5 mg/m3	Total dust.
		2 mg/m3	Respirable dust.

Switzerland. SUVA Grenzwerte am Arbeitsplatz

Components	Type	Value	Form
Filler	STEL	24 mg/m3	Respirable dust and/or fume.
	TWA	3 mg/m3	Respirable dust.
		3 mg/m3	Respirable dust and/or fume.

UK. EH40 Workplace Exposure Limits (WELs)

Components	Type	Value	Form
Filler	TWA	4 mg/m3	Respirable dust.
		10 mg/m3	Inhalable dust.

EU. OELs, Directive 2004/37/EC on carcinogen and mutagens from Annex III, Part A

Components	Type	Value
Fiberglass (CAS 65997-17-3)	TWA	0,3 fibers/ml

Biological limit values

Hungary. Chemical Safety at Workplace Ordinance Joint Decree No. 25/2000 (Annex 2): Permissible limit values of biological exposure (effect) indices

Components	Value	Determinant	Specimen	Sampling Time
Filler	0,25 µmol/mmol	Aluminium	Creatinine in urine	*
	0,06 mg/g	Aluminium	Creatinine in urine	*

* - For sampling details, please see the source document.

Switzerland. BAT-Werte (Biological Limit Values in the Workplace as per SUVA)

Components	Value	Determinant	Specimen	Sampling Time
Filler	50 µg/g	Aluminium	Creatinine in urine	*

* - For sampling details, please see the source document.

Recommended monitoring procedures

Follow standard monitoring procedures.

Derived no effect levels (DNELs)

Not available.

Predicted no effect concentrations (PNECs)

Not available.

Exposure guidelines

Occupational Exposure Limits are not relevant to the current physical form of the product.

8.2. Exposure controls

Appropriate engineering controls

Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Individual protection measures, such as personal protective equipment

General information

Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

Eye/face protection

Not normally needed. Risk of contact: Wear safety glasses with side shields (or goggles). (e.g. EN 166).

Skin protection

- Hand protection

Not normally needed. For prolonged or repeated skin contact use suitable protective gloves. (EN 374) Suitable gloves can be recommended by the glove supplier.

- Other

No skin protection is ordinarily required under normal conditions of use. It is a good industrial hygiene practice to minimise skin contact.

Respiratory protection	No personal respiratory protective equipment normally required. In case of insufficient ventilation, wear suitable respiratory equipment. (e.g. EN 143). Check with respiratory protective equipment suppliers.
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.
Hygiene measures	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.
Environmental exposure controls	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. Fume scrubbers, filters or engineering modifications to the process equipment may be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Solid.
Form	Sheet.
Colour	Pink.
Odour	Odourless.
Odour threshold	Not applicable (material is odorless).
Melting point/freezing point	Property has not been measured.
Boiling point or initial boiling point and boiling range	Not applicable, material is a solid.
Flammability	Non flammable.
Upper/lower flammability or explosive limits	
Explosive limit - lower (%)	Property has not been measured.
Explosive limit – upper (%)	Property has not been measured.
Flash point	Not applicable, material is a solid.
Auto-ignition temperature	Property has not been measured.
Decomposition temperature	Property has not been measured.
pH	Not applicable (material is insoluble in water).
Kinematic viscosity	Not applicable, material is a solid.
Solubility	
Solubility (water)	Insoluble in water.
Partition coefficient (n-octanol/water) (log value)	Not applicable, product is a mixture.
Vapour pressure	Not applicable, material is a solid.
Density and/or relative density	
Density	Property has not been measured.
Relative density	Property has not been measured.
Vapour density	Not applicable, material is a solid.
Particle characteristics	
Particle size	Property has not been measured.

9.2. Other information

9.2.1. Information with regard to physical hazard classes No relevant additional information available.

9.2.2. Other safety characteristics

Evaporation rate	Not applicable, material is a solid.
Viscosity	Not applicable, material is a solid.

SECTION 10: Stability and reactivity

10.1. Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
10.2. Chemical stability	Material is stable under normal conditions.
10.3. Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
10.4. Conditions to avoid	Contact with incompatible materials.
10.5. Incompatible materials	Strong oxidising agents. Acids. Chlorine.

10.6. Hazardous decomposition products

Decomposition is not expected under normal conditions of use and storage. In the event of fire: See Section 5.

SECTION 11: Toxicological information

General information Occupational exposure to the substance or mixture may cause adverse effects.

Information on likely routes of exposure

- Inhalation** No adverse effects due to inhalation are expected.
- Skin contact** No adverse effects due to skin contact are expected.
- Eye contact** No adverse effects due to eye contact are expected.
- Ingestion** May cause discomfort if swallowed.

Symptoms Under normal conditions of intended use, this product is not expected to be a health risk.

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

- Acute toxicity** Not expected to be acutely toxic.
- Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- Serious eye damage/eye irritation** Based on available data, the classification criteria are not met.
- Respiratory sensitisation** Based on available data, the classification criteria are not met.
- Skin sensitisation** Based on available data, the classification criteria are not met.
- Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- Carcinogenicity** Based on available data, the classification criteria are not met.

Hungary. 26/2000 EüM Ordinance on protection against and preventing risk relating to exposure to carcinogens at work (as amended)

Fiberglass (CAS 65997-17-3)

IARC Monographs. Overall Evaluation of Carcinogenicity

Fiberglass (CAS 65997-17-3)

3 Not classifiable as to carcinogenicity to humans.

- Reproductive toxicity** Based on available data, the classification criteria are not met.
- Specific target organ toxicity - single exposure** Based on available data, the classification criteria are not met.
- Specific target organ toxicity - repeated exposure** Based on available data, the classification criteria are not met.
- Aspiration hazard** Not relevant, due to the form of the product.
- Mixture versus substance information** No information available.

11.2. Information on other hazards

- Endocrine disrupting properties** This mixture does not contain any substances having endocrine disrupting properties with respect to human health as assessed in accordance with the criteria set out in Regulations (EC) No 1907/2006, (EU) No 2017/2100 and (EU) 2018/605, at a concentration equal to or greater than 0.1% by weight.
- Other information** This product has no known adverse effect on human health.

SECTION 12: Ecological information

- 12.1. Toxicity** Based on available data, the classification criteria are not met for hazardous to the aquatic environment.
- 12.2. Persistence and degradability** No data is available on the degradability of this product.
- 12.3. Bioaccumulative potential** No data available on bioaccumulation.
- Partition coefficient n-octanol/water (log Kow)** Not applicable, product is a mixture.
- Bioconcentration factor (BCF)** Not available.
- 12.4. Mobility in soil** The product is insoluble in water. Not expected to be mobile in soil.
- 12.5. Results of PBT and vPvB assessment** This mixture does not contain substances assessed to be vPvB / PBT according to Regulation (EC) No 1907/2006, Annex XIII.
- 12.6. Endocrine disrupting properties** This mixture does not contain any substances having endocrine disrupting properties with respect to the environment as assessed in accordance with the criteria set out in Regulations (EC) No 1907/2006, (EU) No 2017/2100 and (EU) 2018/605, at a concentration equal to or greater than 0.1% by weight.
- 12.7. Other adverse effects** No data available for this product.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Residual waste	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner.
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.
EU waste code	The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Disposal methods/information	Collect and reclaim or dispose in sealed containers at licensed waste disposal site.
Special precautions	Dispose in accordance with all applicable regulations.

SECTION 14: Transport information

ADR

14.1. UN number	Not regulated as dangerous goods.
14.2. UN proper shipping name	Not regulated as dangerous goods.
14.3. Transport hazard class(es)	
Class	Not assigned.
Subsidiary risk	-
Hazard No. (ADR)	Not assigned.
Tunnel restriction code	Not assigned.
14.4. Packing group	Not assigned.
14.5. Environmental hazards	No.
14.6. Special precautions for user	Not assigned.

RID

14.1. UN number	Not regulated as dangerous goods.
14.2. UN proper shipping name	Not regulated as dangerous goods.
14.3. Transport hazard class(es)	
Class	Not assigned.
Subsidiary risk	-
14.4. Packing group	Not assigned.
14.5. Environmental hazards	No.
14.6. Special precautions for user	Not assigned.

ADN

14.1. UN number	Not regulated as dangerous goods.
14.2. UN proper shipping name	Not regulated as dangerous goods.
14.3. Transport hazard class(es)	
Class	Not assigned.
Subsidiary risk	-
14.4. Packing group	Not assigned.
14.5. Environmental hazards	No.
14.6. Special precautions for user	Not assigned.

IATA

14.1. UN number	Not regulated as dangerous goods.
14.2. UN proper shipping name	Not regulated as dangerous goods.
14.3. Transport hazard class(es)	
Class	Not assigned.
Subsidiary risk	-
14.4. Packing group	Not assigned.
14.5. Environmental hazards	No.
14.6. Special precautions for user	Not assigned.

IMDG

14.1. UN number	Not regulated as dangerous goods.
14.2. UN proper shipping name	Not regulated as dangerous goods.

14.3. Transport hazard class(es)

Class Not assigned.

Subsidiary risk -

14.4. **Packing group** Not assigned.

14.5. Environmental hazards

Marine pollutant No.

EmS Not assigned.

14.6. **Special precautions for user** Not assigned.

14.7. **Maritime transport in bulk according to IMO instruments** Not applicable.

SECTION 15: Regulatory information

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

EU regulations

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I and II, as amended

Not listed.

Regulation (EU) 2019/1021 On persistent organic pollutants (recast), as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended

Not listed.

Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry, as amended

Not listed.

Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA

Not listed.

Authorisations

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended

Not listed.

Restrictions on use

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended

Fiberglass (CAS 65997-17-3)

Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work, as amended.

Fiberglass (CAS 65997-17-3)

Other EU regulations

Directive 2012/18/EU on major accident hazards involving dangerous substances, as amended

Not listed.

Other regulations

The product is classified and labelled in accordance with Regulation (EC) 1272/2008 (CLP Regulation) as amended. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006, as amended.

National regulations

Follow national regulation for work with chemical agents in accordance with Directive 98/24/EC, as amended.

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

List of abbreviations

ADN: European Agreement Concerning the International Carriage of Dangerous Goods by Inland Waterways.

ADR: Agreement concerning the International Carriage of Dangerous Goods by Road.

AGW: Occupational threshold limit value (Arbeitsplatzgrenzwert – Germany).

CAS: Chemical Abstract Service.

CEN: European Committee for Standardization.

IARC: International Agency for Research on Cancer.

IATA: International Air Transport Association.

IBC Code: International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk.

IMDG: International Maritime Dangerous Goods.

MAC: Maximum Allowed Concentration.

MARPOL: International Convention for the Prevention of Pollution from Ships.

PBT: Persistent, bioaccumulative and toxic.

RID: Regulations concerning the International Carriage of Dangerous Goods by Rail.

STEL: Short term exposure limit.

TLV: Threshold Limit Value.

TWA: Time Weighted Average.

VLE: Exposure Limit Value.

VME: Exposure Average Value.

vPvB: Very persistent and very bioaccumulative.

References

ACGIH Documentation of the Threshold Limit Values and Biological Exposure Indices

ECHA: European Chemical Agency.

EPA: AQUIRE database

HSDB® - Hazardous Substances Data Bank

IARC Monographs. Overall Evaluation of Carcinogenicity

National Toxicology Program (NTP) Report on Carcinogens

NLM: Hazardous Substances Data Base

Information on evaluation method leading to the classification of mixture

The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.

Full text of any statements, which are not written out in full under sections 2 to 15

None.

Training information

Follow training instructions when handling this material.

Disclaimer

Laird cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.