

SAFETY DATA SHEET**according to Regulation(EU) No. 453/2010****VIN No. 1 for Vinterio/Linea****1. Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier****Product code** None.**Synonyms** None.**1.2. Relevant identified uses of the substance or mixture and uses advised against**

Use of the Substance/Preparation

Composite adhesive

1.3. Details of the supplier of the safety data sheet**Company/Undertaking Identification**

The Danzer Group does not manufacturer this product. The manufacturer is confidential. More information can be obtained by contacting Kami Ervin at (812) 526-2601

1.4. Emergency telephone number (+41 44 251 51 51 Tox Center)**Revision Date** 06.02.2014**Version** 2 (Previous versions: 1)**2. Hazards identification****2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No. 1272/2008 (GHS/CLP)**

Acute toxicity, inhal., Gases, Cat. 4, H332
Skin corrosion/irritation, Cat. 2, H315
Serious eye damage/eye irritation, Cat. 2, H319
Carcinogenicity, Cat. 2, H351
Specific target organ toxicity (repeated exposure),
Cat. 2, H373
Contains isocyanates. May produce an allergic
reaction

The product is classified and labelled according to Regulation (EC) No. 1272/2008 (GHS/CLP).

Classification according to EU Directives 67/548/EEC or 1999/45/EC

Xn; R20
Carc. Cat. 3; R40
Xi; R36/37/38
R42/43
Xn; R48/20

Additional information For the full text of the phrases mentioned in this Section, see Section 16.

2.2. Label elements



Signal Word Hazard Statement

Warning

H315: Causes skin irritation.

H319: Causes serious eye irritation.

H332: Harmful if inhaled.

H351: Suspected of causing cancer.

H373: May cause damage to organs through prolonged or repeated exposure.

Precautionary statements

P201: Obtain special instructions before use.

P260: Do not breathe dust/ fume/ gas/ mist/ vapors/ spray.

P280c: Wear protective gloves/ eye protection/ face protection.

P302+P352: IF ON SKIN: Wash with plenty of water/....

P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Additional advice

Contains isocyanates. May produce an allergic reaction.

GHS product identifier

4-Isocyanatosulphonyltoluene; Tosyl isocyanate, CAS-No. 4083-64-1, EC-

No. 223-810-8

Polypropylenglykol, CAS-No. 25322-69-4, EC-No. 500-039-8

diphenylmethane-4,4'-diisocyanate, oligomers, CAS-No. 25686-28-6, EC-

No. 500-040-3

Labelling according to Directives 67/548/EEC or 1999/45/EC



Xn - Harmful.

R-phrases(s)

R36/37/38: Irritating to eyes, respiratory system and skin.

R42/43: May cause sensitization by inhalation and skin contact.

R48/20: Harmful: danger of serious damage to health by prolonged exposure through inhalation.

R20: Harmful by inhalation.

R40: Limited evidence of a carcinogenic effect.

S-phrase(s)

S23: Do not breathe vapor/spray
 S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 S36/37: Wear suitable protective clothing and gloves.
 S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Additional advice

Contains isocyanates. See information supplied by the manufacturer.

Hazardous component(s) which must be listed on the label

4-Isocyanatosulphonyltoluene; Tosyl isocyanate, CAS-No. 4083-64-1, EC-No. 223-810-8
 Polypropylenglykol, CAS-No. 25322-69-4, EC-No. 500-039-8
 diphenylmethane-4,4'-diisocyanate, oligomers, CAS-No. 25686-28-6, EC-No. 500-040-3

2.3. Other hazards

Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product. Persons already sensitized to diisocyanates may develop allergic reactions when using this product. This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e. type A1 according to standard EN 14387) is used.

3. Composition/information on ingredients**Chemical characterization**

Isocyanate hardener.

Components		CLP Classification	DSD/DPD Classification	Product identifier
4-Isocyanatosulphonyltoluene; Tosyl isocyanate	< 0.3%	Eye Irrit. 2 H319, STOT SE 3 H335, Skin Irrit. 2 H315, Resp. Sens. 1 H334, EUH014 [CEy2: C ≥ 5 % ; SSEIn3: C ≥ 5 % ; CSk2: C ≥ 5 %]	Xn; R-14-36/37/38-42 [C ≥ 5 % \ Xn; R-36/37/38-42 ; 1 % ≤ C < 5 % \ Xn; R-42]	CAS-No.: 4083-64-1 EC-No.: 223-810-8 Index-No: 615-012-00-7
Polypropylenglykol	< 20%			CAS-No.: 25322-69-4 EC-No.: 500-039-8
diphenylmethane-4,4'-diisocyanate, oligomers	> 50%	Acute Tox. 4 H332, Skin Irrit. 2 H315, Eye Irrit. 2 H319, Resp. Sens. 1 H334, Carc. 2 H351, STOT RE 2 H373, EUH204	Xn; R-20-36/37/38-40-42/43-48/20	CAS-No.: 25686-28-6 EC-No.: 500-040-3

For the full text of the phrases mentioned in this Section, see Section 16.

Hazardous impurities

None known.

4. First aid measures

4.1. Description of first aid measures

Inhalation

Move to fresh air in case of accidental inhalation of vapors or decomposition products. Consult a physician for severe cases.

Skin contact

Wash off with polyethylene glycol and afterwards with plenty of water.

Eye contact

Remove contaminated clothing and shoes. If easy to do, remove contact lens, if worn. Rinse immediately with plenty of water, also under the eyelids. If eye irritation persists, consult a specialist.

Ingestion

Do not induce vomiting. Call a physician immediately.

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

Take off all contaminated clothing immediately.

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

None known.

5. Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Water spray. Foam. Dry powder. Carbon dioxide (CO₂).

Extinguishing media which must not be used for safety reasons

High volume water jet.

5.2. Special hazards arising from the substance or mixture

In the event of fire the following can be released: carbon monoxide, nitrogen oxides, vapors of isocyanate and traces of cyanic acid.

5.3. Advice for firefighters

Special protective equipment for firefighters

In the event of fire, wear self-contained breathing apparatus. In the event of fire and/or explosion do not breathe fumes. Wear tightly fitting protective suit against chemicals.

Specific methods

Water mist may be used to cool closed containers. Do not let product enter drains.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Advice for non-emergency personnel

Ensure adequate ventilation. Keep people away from and upwind of

Advice for emergency responders

spill/leak. Do not breathe vapors/dust.

Handle with isocyanates usual precautions observed.

6.2. Environmental precautions

Do not flush into surface water or sanitary sewer system.

6.3. Methods and material for containment and cleaning up

Cover with wet, liquid binding agent. Put in waste container after about 1 hr. do not cover container: CO₂ will arise Hardens when in contact with water.

7. Handling and storage

7.1. Precautions for safe handling

Provide sufficient air exchange and/or exhaust in work rooms. Do not breathe vapors or spray mist. Avoid contact with skin and eyes. When using, do not eat, drink or smoke.

7.2. Conditions for safe storage, including any incompatibilities

Keep containers dry and tightly closed to avoid moisture absorption and contamination. Keep container tightly closed in a dry and well-ventilated place.

7.3. Specific end use(s)

No information available.

8. Exposure controls/personal protection

8.1. Control parameters

Exposure limit(s)

No data is available on the product itself.

8.2. Exposure controls

Occupational exposure controls

Ensure adequate ventilation, especially in confined areas.

Personal protection equipment

Respiratory protection

In case of insufficient ventilation wear suitable respiratory equipment.

Hand protection

Impervious gloves. Butylrubber. Nitrile rubber. Natural rubber. The data about break through time/strength of material are standard values! The exact break through time/strength of material has to be obtained from the producer of the protective glove.

Eye protection

Avoid contact with eyes. Safety glasses with side-shields.

Skin and body protection

Lightweight protective clothing.

Thermal hazards

No special measures required.

Environmental exposure controls

No special measures required.

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form	Liquid.
Color	Slight yellowish.
Odor	Characteristic.
Odor Threshold	No information available.
pH:	No information available.
Melting point/range:	not applicable
Boiling point/range:	no data available.
Flash point:	>200°C
Evaporation Rate:	No information available.
Flammability:	No information available.
Explosion limits:	No information available.
Vapor pressure:	No information available.
Vapor density:	No information available.
Relative density:	1.05 g/ml
Water solubility:	hydrolyses
Partition coefficient (n-octanol/water):	No information available.
Auto ignition temperature:	Not applicable.
Decomposition temperature:	>100°C
Viscosity:	10'000 mPa.s (20°C)
Combustion/explosion hazards:	not hazardous
Oxidizing properties:	None

9.2. Other information

General Product Characteristics

Total solids content 100 Weight %

10. Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

No decomposition if stored and applied as directed.

10.3. Possibility of hazardous reactions

No information available.

10.4. Conditions to avoid

Container can be pressurized by carbon dioxide due to reaction with humid air and/or water.

Amines.

10.5. Incompatible materials

10.6. Hazardous decomposition products

None reasonably foreseeable.

11. Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Benzenesulfonyl isocyanate, 4-methyl- (CAS 4083-64-1)

Inhalation LC50 Rat > 640 ppm 1 h (NLM_CIP)

No data available.

Skin corrosion/irritation

No data available.

Serious eye damage/eye irritation

Respiratory / Skin Sensitization

May cause sensitization by inhalation. For over sensitized persons allergic reactions may occur even at isocyanate concentrations below the MAK-value.

Carcinogenicity	No data available.
Germ cell mutagenicity	No data available.
Reproductive toxicity	No data available.
Specific target organ toxicity (single exposure)	No data available.
Specific target organ toxicity (repeated exposure)	No data available.
Aspiration hazard	No data available.
Human experience	No data available.
12. Ecological information	
12.1. Toxicity	Ecological injuries are not known or expected under normal use.
12.2. Persistence and degradability	No data available.
12.3. Bio accumulative potential	No data available.
12.4. Mobility in soil	No data available.
12.5. Results of PBT and vPvB assessment	No information available.
12.6. Other adverse effects	No information available.
13. Disposal considerations	
13.1. Waste treatment methods	
Waste from residues / unused products	Dispose of as special waste in compliance with local and national regulations. Do not dispose of together with household waste. Should not be released into the environment. According to the European Waste Catalogue, Waste Codes are not product specific, but application specific.
Contaminated packaging	Empty containers should be taken for local recycling, recovery or waste disposal.
14. Transport information	
ADR/RID	Not required.
IMDG	Not required.
IATA	Not required.
Further Information	Not classified as dangerous in the meaning of transport regulations.
15. Regulatory information	
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture	
Regulatory Information	The product is classified and labelled according to Regulation (EC) No. 1272/2008 (GHS/CLP). Merkblatt BG Chemie: M050 Umgang mit Gefahrstoffen (für die Beschäftigten) M056 ODIN-Schlüsselverzeichnis "Krebserzeugende Gefahrstoffe"

Benzene sulfonyl isocyanate, 4-methyl- (CAS 4083-64-1)

EU - REACH (1907/2006) - List of Registered Substances	Present
Polypropylene glycol (CAS 25322-69-4)	
EU - No-Longer Polymers List (67/548/EEC)	NLP No. 500-039-8 (>1<4.5 mol propoxylated units)
EU - REACH (1907/2006) - List of Registered Substances	Present
Germany - Water Classification (VwVwS) - Annex 2 - Water Hazard Classes	ID Number 6988, hazard class 1 - low hazard to waters
Benzene, 1,1'-methylenebis[4-isocyanato-, homopolymer (CAS 25686-28-6)	
EU - No-Longer Polymers List (67/548/EEC)	NLP No. 500-040-3
EU - REACH (1907/2006) - List of Registered Substances	Present
15.2. Chemical safety assessment	Not required.
16. Other information	
Revision Note	Safety datasheet sections which have been updated: 1.
Key or legend to abbreviations and acronyms	CLP: Classification according to Regulation (EC) No. 1272/2008 (GHS/CLP)
Full text of phrases referred to under sections 2 and 3	EUH014: Reacts violently with water. EUH204: Contains isocyanates. May produce an allergic reaction. H315: Causes skin irritation. H319: Causes serious eye irritation. H332: Harmful if inhaled. H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled. H335: May cause respiratory irritation. H351: Suspected of causing cancer. H373: May cause damage to organs through prolonged or repeated exposure. R14: Reacts violently with water. R20: Harmful by inhalation. R36/37/38: Irritating to eyes, respiratory system and skin. R40: Limited evidence of a carcinogenic effect. R42/43: May cause sensitization by inhalation and skin contact. R42: May cause sensitization by inhalation. R48/20: Harmful: danger of serious damage to health by prolonged exposure through inhalation.
Instructions for use	Restricted to professional users.

Disclaimer

It is not to be considered a warranty or quality specification. The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.