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SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

SELLA FIX E

Version	Revision Date:	Print Date:	Date of last issue: 2015-01-08
2.2	2015-12-04	2016-09-01	Date of first issue: 2003-11-07

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

1.1 Product identifier

Trade name : SELLA FIX E

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

Use of the Substance/Mixture : Chemical for Leather

Recommended restrictions on use : For industrial use only.

1.3 Details of the supplier of the safety data sheet

Company : TFL Ledertechnik GmbH
Im Schwarzenbach 2
79576 WEIL AM RHEIN / Germany

Telephone : +4976219400

E-mail address of person responsible for the SDS : psr@tfl.com

1.4 Emergency telephone number : +49 7621 940 1 940 (24h)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Skin irritation, Category 2 H315: Causes skin irritation.

Serious eye damage, Category 1 H318: Causes serious eye damage.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal word : Danger

Hazard statements : H315 Causes skin irritation.
H318 Causes serious eye damage.

Precautionary statements : **Prevention:**

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P264 Wash skin thoroughly after handling.
P280 Wear protective gloves/ eye protection/ face protection.

Response:

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

P310 Immediately call a POISON CENTER or doctor/ physician.

P332 + P313 If skin irritation occurs: Get medical advice/ attention.

P362 Take off contaminated clothing and wash before reuse.

Hazardous components which must be listed on the label:

Methanamine, N-methyl-, polymer with 2-(chloromethyl)oxirane

2.3 Other hazards

This mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT).

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical nature : Quaternary polyamine
aqueous dispersion

Hazardous components

Chemical Name	CAS-No. EC-No. Registration number	Classification	Concentration (% w/w)
Methanamine, N-methyl-, polymer with 2-(chloromethyl)oxirane	25988-97-0	Skin Irrit. 2; H315 Eye Dam. 1; H318	> 30 - < 35

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

If inhaled : Move to fresh air.
If you feel unwell, seek medical advice (show the label where possible).

In case of skin contact : Take off all contaminated clothing immediately.
Wash off with soap and plenty of water.

In case of eye contact : Rinse immediately with plenty of water, also under the eyelids.
Obtain medical attention.

If swallowed : Rinse mouth.

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If swallowed, seek medical advice immediately and show this container or label.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms : No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : Symptomatic treatment

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Carbon dioxide (CO₂)
Foam
Dry powder

Unsuitable extinguishing media : none

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting : Exposure to decomposition products may be a hazard to health.

5.3 Advice for firefighters

Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

Specific extinguishing methods : Not applicable

Further information : Standard procedure for chemical fires.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Wear suitable gloves and eye/face protection.
In case of insufficient ventilation, wear suitable respiratory equipment.
Working clothes and safety shoes

6.2 Environmental precautions

Environmental precautions : Prevent product from entering drains.
Do not flush into surface water.

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6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

6.4 Reference to other sections

For personal protection see section 8.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Smoking, eating and drinking should be prohibited in the application area.

Advice on protection against : No special protective measures against fire required. fire and explosion

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Keep container tightly closed in a dry and well-ventilated place.

Recommended storage temperature Observe label precautions.

Further information on storage conditions : Keep away from direct sunlight.

Advice on common storage : No special restrictions on storage with other products.

Classification for storage : Not classified as a combustion hazard

Other data : Not applicable

7.3 Specific end use(s)

Specific use(s) : Manufacture of textiles, leather, fur
Consult the technical guidelines for the use of this substance/mixture.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Not applicable

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8.2 Exposure controls

Personal protective equipment

- | | |
|--------------------------|--|
| Eye protection | : Safety glasses with side-shields |
| Hand protection | |
| Remarks | : Protective gloves complying with EN 374.
Recommendation:
e.g.
Nitrile rubber |
| Skin and body protection | : Working clothes and safety shoes |
| Respiratory protection | : No personal respiratory protective equipment normally required. |
| Protective measures | : For all personal protective equipment: follow the instructions for use issued by the producer. |
-

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- | | |
|-----------------------------|-----------------------------------|
| Appearance | : liquid |
| Colour | : colourless |
| Odour | : amine-like |
| Odour Threshold | : not determined |
| pH | : ca. 6.5, Concentration: 100 g/l |
| Melting point/range | : not determined |
| Boiling point/boiling range | : > 100 °C |
| Flash point | : > 61 °C |
| Evaporation rate | : not determined |
| Flammability (solid, gas) | : not auto-flammable |
| Upper explosion limit | : not determined |
| Lower explosion limit | : not determined |
| Vapour pressure | : not determined |
| Density | : ca. 1.1 g/cm ³ |

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Solubility(ies)
Water solubility : completely miscible

Partition coefficient: n-
octanol/water : Not applicable

Auto-ignition temperature : not determined

Decomposition temperature : not determined

Viscosity
Viscosity, dynamic : not determined

Viscosity, kinematic : not determined

Explosive properties : not determined

Oxidizing properties : not determined

9.2 Other information

No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

Stable under recommended storage conditions.

10.2 Chemical stability

The product is chemically stable.

10.3 Possibility of hazardous reactions

Hazardous reactions : No hazards to be specially mentioned.

10.4 Conditions to avoid

Conditions to avoid : Temperature
Stable under recommended storage conditions.
To avoid thermal decomposition, do not overheat.

10.5 Incompatible materials

Materials to avoid : Not applicable

10.6 Hazardous decomposition products

No decomposition if stored and applied as directed., Thermal decomposition can lead to release of:., Carbon dioxide (CO₂), carbon monoxide (CO), oxides of nitrogen (NO_x), dense black smoke., Gaseous hydrogen chloride (HCl).

SECTION 11: Toxicological information

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11.1 Information on toxicological effects

Acute toxicity

Product:

Acute oral toxicity : Remarks: No data available

Skin corrosion/irritation

Product:

Assessment: Irritating to skin.

Serious eye damage/eye irritation

Product:

Assessment: Risk of serious damage to eyes.

Respiratory or skin sensitisation

Product:

Remarks: Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Product:

Genotoxicity in vitro : Remarks: Not applicable

Carcinogenicity

Product:

Remarks: Not applicable

Reproductive toxicity

Product:

Effects on fertility : Remarks: Not applicable

STOT - single exposure

Product:

Assessment: The substance or mixture is not classified as specific target organ toxicant, single exposure.

Repeated dose toxicity

Product:

Assessment: The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

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Aspiration toxicity

Product:

No aspiration toxicity classification

SECTION 12: Ecological information

12.1 Toxicity

Product:

Ecotoxicology Assessment
Acute aquatic toxicity : Not classified based on available information.

12.2 Persistence and degradability

Product:

Biodegradability : Remarks: No data available

12.3 Bioaccumulative potential

Product:

Bioaccumulation : Remarks: Bioaccumulation is unlikely.

12.4 Mobility in soil

Product:

Distribution among
environmental compartments : Remarks: No data available

12.5 Results of PBT and vPvB assessment

Product:

Assessment : This mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT)..

12.6 Other adverse effects

Product:

Adsorbed organic bound
halogens (AOX) : Remarks: Product does not contain any organic halogens.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : Dispose of in accordance with local regulations.
Where possible recycling is preferred to disposal or

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incineration.

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14: Transport information

Not dangerous goods in the meaning of ADR/RID, ADNR, IMDG-Code, ICAO/IATA-DGR

14.1 UN number

Not applicable

14.2 UN proper shipping name

Not applicable

14.3 Transport hazard class(es)

Not applicable

14.4 Packing group

Not applicable

14.5 Environmental hazards

Not applicable

14.6 Special precautions for user

Not applicable

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

Other regulations : Volatile organic compounds (VOC) content (1999/13/EC):
< 0.1%
Not dangerous for the ozone layer (1005/2009/EC).

15.2 Chemical Safety Assessment

Not applicable

SECTION 16: Other information

Full text of H-Statements

H315 : Causes skin irritation.
H318 : Causes serious eye damage.

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Full text of other abbreviations

Eye Dam. : Serious eye damage
Skin Irrit. : Skin irritation

(Q)SAR - (Quantitative) Structure Activity Relationship; ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; DIN - Standard of the German Institute for Standardisation; ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISO - International Organisation for Standardization; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TRGS - Technical Rule for Hazardous Substances; UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative; DSL - Domestic Substances List (Canada); KECI - Korea Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); AICS - Australian Inventory of Chemical Substances; IECSC - Inventory of Existing Chemical Substances in China; ENCS - Existing and New Chemical Substances (Japan); ISHL - Industrial Safety and Health Law (Japan); PICCS - Philippines Inventory of Chemicals and Chemical Substances; NZIoC - New Zealand Inventory of Chemicals; TCSI - Taiwan Chemical Substance Inventory; CMR - Carcinogen, Mutagen or Reproductive Toxicant; GLP - Good Laboratory Practice

Further information

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 a 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.

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