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ADVANCED FOOT TECHNOLOGY
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Safety data sheet

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Safety data sheet according to 91/155/EEC
Date / Revised: 05.09.2006
Product:

Version: 4.0

(30181336/SDS_GEN_EU/EN)

Date of print 01.11.2006

1. Substance/preparation and company identification

RESINFORM A

Company:



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2. Composition/information on ingredients

Chemical nature

| Preparation based on: polyol, catalyst, additives

Hazardous ingredients

| methylbis(2-dimethylaminoethyl)amine

Content (W/W): $\geq 0.1\%$ - $< 3\%$

CAS Number: 3030-47-5

EC-Number: 221-201-1

INDEX-Number: 612-109-00-6

Hazard symbol(s): T

R-phrases: 22, 24, 34

The wording of the hazard symbols and R-phrases is specified in chapter 16 if dangerous ingredients are mentioned.

3. Hazard identification

| No particular hazards known.

4. First-aid measures

General advice:

| Remove contaminated clothing.

If inhaled:

| If difficulties occur after vapour/aerosol has been inhaled, remove to fresh air and seek medical attention.

On skin contact:

| Wash thoroughly with soap and water.

On contact with eyes:

| Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

On ingestion:

| Immediately rinse mouth and then drink plenty of water, do not induce vomiting, seek medical attention.

5. Fire-fighting measures

Suitable extinguishing media:

| water, dry extinguishing media, foam, carbon dioxide

Specific hazards:

| carbon monoxide, carbon dioxide, nitrogen oxides

| The substances/groups of substances mentioned can be released in case of fire.

Special protective equipment:

| Wear a self-contained breathing apparatus.

Further information:

| Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

6. Accidental release measures

Personal precautions:

| Use personal protective clothing.

Environmental precautions:

| Do not empty into drains. Do not discharge into the subsoil/soil.

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Methods for cleaning up or taking up:

| For large amounts: Pump off product.

| For residues: Pick up with suitable absorbent material (e.g. sand, sawdust, general-purpose binder, kieselguhr). Dispose of contaminated material as prescribed.

| Additional information: High risk of slipping due to leakage/spillage of product.

7. Handling and storage

Handling

| Ensure thorough ventilation of stores and work areas.

Protection against fire and explosion:

| No special precautions necessary.

Storage

| Segregate from foods and animal feeds. Segregate from acids. Segregate from oxidants.

| Further information on storage conditions: Containers should be stored tightly sealed in a dry place.

8. Exposure controls and personal protection

Components with workplace control parameters

| none

Personal protective equipment

Respiratory protection:

| Wear respiratory protection if ventilation is inadequate. Particle filter with medium efficiency for solid and liquid particles (e.g. EN 143 or 149, Type P2 or FFP2)

Hand protection:

| Suitable chemical resistant safety gloves (EN 374) also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374): E.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm) and other

Eye protection:

| Safety glasses with side-shields (frame goggles) (e.g. EN 166)

General safety and hygiene measures:

| Wearing of closed work clothing is required additionally to the stated personal protection equipment. When using, do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift. At the end of the shift the skin should be cleaned and skin-care agents applied.

9. Physical and chemical properties

Form:	liquid	
Colour:	yellowish	
Odour:	amine-like	
pH value:	> 7	
Solidification temperature:	< 0 °C	
Boiling point:	> 100 °C (1,013 mbar)	
Flash point:	> 110 °C	(DIN 51758)
Ignition temperature:	No data available.	
Vapour pressure:	< 10 mbar (20 °C)	
Density:	1.03 g/cm ³ (20 °C)	(DIN 51757)
Miscibility with water:	partly miscible	
Viscosity, dynamic:	580 mPa.s (25 °C)	

10. Stability and reactivity

Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.
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Substances to avoid:
acids, oxidizing agent, isocyanates

11. Toxicological information

Acute toxicity

LD50 rat (oral): > 2,000 mg/kg

Irritation

Primary skin irritation: Prolonged exposure to the product can result in irritation of the skin and mucous membranes.

Other relevant toxicity information

| The product has not been tested. The statement has been derived from products of a similar structure and composition.

12. Ecological information

Persistence and degradability

Elimination information:

| Poorly biodegradable.

Other adverse effects

Adsorbable organically-bound halogen (AOX):

| This product contains no organically-bound halogen.

Additional information

Other ecotoxicological advice:

| Do not allow to enter soil, waterways or waste water channels. Inhibition of degradation activity in activated sludge is not to be anticipated during correct introduction of low concentrations. The product has not been tested. The statement has been derived from products of a similar structure and composition.

13. Disposal considerations

| Incinerate in suitable incineration plant, observing local authority regulations.

Waste key:

| 07 02 08[□] other still bottoms and reaction residues

Contaminated packaging:

| Contaminated packaging should be emptied as far as possible; then it can be passed on for recycling after being thoroughly cleaned.

14. Transport information

| Not classified as a dangerous good under transport regulations (ADR RID ADNR IMDG/GGVSee ICAO/IATA)

15. Regulatory information

Regulations of the European union (Labelling) / National legislation/Regulations

| Directive 1999/45/EC ('Preparation Directive'):

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| The product does not require a hazard warning label in accordance with EC Directives.

Other regulations

16. Other information

| Recommended use: polyurethane component

Full text of hazard symbols and R-phrases if mentioned as hazardous components in chapter 2:

T	Toxic.
22	Harmful if swallowed.
24	Toxic in contact with skin.
34	Causes burns.

Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. The data do not describe the product's properties (product specification). Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.