

Safety Datasheet according to 2006/1907/EC



1. IDENTIFICATION OF PREPARATION AND OF COMPANY

Product Information

Product Name:

x²HighTemp Coating
10893...

Revision Date: 25/03/2008

Supersedes Date: 10/01/2008

Product Type and Use:

Base component of 2 components coatings - Industrial use
1 / 1

Product to be mixed with:

Mixing ratio by volume Part A/Part B:

Manufacturer:

Scandex Aktiengesellschaft
Fritz-Reuter-Str. 15
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2. HAZARDS IDENTIFICATION

Possible Hazards

R10	Flammable.
R11	Highly flammable.
R34	Causes burns.
R43	May cause sensitization by skin contact.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R67	Vapours may cause drowsiness and dizziness.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Characterization

Description:

CAS-No.	EC No.	Name according to EEC	%	Symbols	R-Phrases
107-98-2	203-539-1	1-methoxy-2-propanol; monopropylene glycol methyl ether	25-50		R10
25068-38-6	500-033-5	reaction product: bisphenol-A- (epichlorhydrin) epoxy resin (number average molecularweight <= 700)	10-25	N, Xi	R36/38-43-51/53
67-63-0	200-661-7	propan-2-ol; isopropyl alcohol; isopropanol	10-25 F,	Xi R	11-36-67
111-40-0	203-865-4	2,2'-iminodiethylamine; diethylenetriamine	10-25	C	R21/22-34-43
1589-47-5	216-455-5	2-methoxypropanol	< 1.0	T	R10-37/38-41-61

Additional information: The text for R phrase codes shown above (if any) is given in section 16.

4. FIRST AID MEASURES

General Advice: WARNING! FLAMMABLE. HARMFUL IF INHALED. CAUSES EYE AND SKIN IRRITATION. ASPIRATION MAY CAUSE LUNG DAMAGE. MAY CAUSE DIZZINESS AND DROWSINESS. KEEP AWAY FROM HEAT, SPARKS, FLAME. AVOID BREATHING VAPOR. AVOID CONTACT WITH EYES, SKIN AND CLOTHING. DO NOT SWALLOW. KEEP CONTAINER CLOSED. USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING.

After Inhalation: REMOVE FROM EXPOSURE AREA.

After Skin Contact: WASH FROM SKIN WITH MILD SOAP AND WATER.

After Eye Contact: FLUSH WITH WATER FOR AT LEAST 15 MINUTES. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION.

After Ingestion: IF CONSCIOUS, GIVE LARGE QUANTITIES OF WATER TO INDUCE VOMITING. GET MEDICAL ATTENTION.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Carbon Dioxide, Dry Chemical, Foam

For Safety Reasons NOT to be used: Alcohol, Alcohol based solutions, any other media not listed above.

Specific Risks Regarding the Product Itself or as a Result of Decomposition (including fumes): CARBON MONOXIDE, CARBON DIOXIDE

Special Firefighting Protection Equipment: FULL PROTECTIVE EQUIPMENT INCLUDING SELF CONTAINED BREATHING APPARATUS.

6. ACCIDENTAL RELEASE MEASURES

Personal Safety Measures/Environmental Measures/Method of Cleaning/Containment: REMOVE ALL SOURCES OF IGNITION FROM THE SPILL AREA. EVACUATE ALL NON-ESSENTIAL PERSONNEL UPWIND. SOAK UP SPILLED MATERIAL / SWEEP UP MATERIAL WITH ABSORBENTS AND PLACE IN A CONTAINER FOR DISPOSAL.

Further Instructions: Please refer to EU disposal requirements or country specific disposal requirements for this material.

7. HANDLING AND STORAGE

Handling Conditions

Instructions for Safe Handling: WASH THOROUGHLY AFTER HANDLING. REMOVE CONTAMINATED CLOTHING AND WASH BEFORE REUSE. USE WITH ADEQUATE VENTILATION. FOLLOW ALL MSDS/LABEL PRECAUTIONS EVEN AFTER CONTAINER IS EMPTY DUE TO RESIDUE. AVOID CONTACT.

Special Industrial Hazards: HIGH TEMPERATURES, SPARKS, OPEN FLAME, AND ALL OTHER SOURCES OF IGNITION

Storage

Storage Conditions: STORE IN A COOL, DRY PLACE. KEEP CONTAINER CLOSED WHEN NOT IN USE. FOLLOW ALL MSDS/LABEL PRECAUTIONS EVEN AFTER CONTAINER IS EMPTY BECAUSE IT MAY RETAIN RESIDUES.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Further Information for Planning of Technical Installations: PROVIDE ADEQUATE EXHAUST VENTILATION AND EXHAUST FILTER SYSTEM MAY BE REQUIRED.

Ingredients with Occupational Exposure Limits (EU)

Name	%	LTEL ppm	STEL ppm	STEL mg/m ³	LTEL mg/m ³	OEL Note	Company TLV
1-methoxy-2-propanol; monopropylene glycol methyl ether reaction product:	25-50	100	150	568	375		100.0 PPM
bisphenol-A- (epichlorhydrin) epoxy resin (number average molecularweight <= 700)	10-25						
propan-2-ol; isopropyl alcohol; isopropanol	10-25						400.0 PPM
2,2'-iminodiethylamine; diethylenetriamine	10-25						1.0 PPM
2-methoxypropanol	< 1.0						

Further Advice:

Refer to the regulatory exposure limits for the workforce enforced in each country. Some components may not have been classified at the EU level under the dangerous substances and preparations regulation. The "Company" published exposure limits listed above are for reference only, based on ACGIH Threshold Limit Values (TLV) or U.S. OSHA Permissible Exposure Limits (PEL).

Personal Protection

Respiratory Protection: NIOSH APPROVED AIR PURIFYING RESPIRATOR WITH ORGANIC VAPOR/ACID GAS CARTRIDGES.

Hand Protection: SUITABLE PROTECTIVE CLOTHING, IMPERMEABLE GLOVES.

Skin Protection: AN EYEWASH SHOULD BE AVAILABLE TO THE AREA OF USE.

Eye Protection: SAFETY GLASSES, GOGGLES, FACE SHEILD.

Protection and Hygiene Measures: ESTABLISH GOOD PERSONAL HYGIENE AND WORK PRACTICES. ALWAYS WASH HANDS AND FACE BEFORE EATING, DRINKING OR SMOKING. AVOID CONTACT WITH EYES AND SKIN.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid	Physical State:	LIQUID
Odor:	SOLVENT		
Safety Relevant Data			
pH-Value:	N/A	Average Melting Point:	
Boiling Range:	N.D. -		
Flash Point, F/C::	20°C		
Danger of Explosion:	SAFETY GLASSES, GOGGLES, FACE SHEILD.		
Lower Explosive Limit, vol%		Upper Explosive Limit, vol% N.D.	
Vapour Pressure, mmHg:	N/D	Sec DIN4	
Viscosity:			Sec ISO-6mm
Solubilty in water:	N/D		
VOC Content g/l:			
Solvent Separation Test			
Solid:			

10. STABILITY AND REACTIVITY

Stability: STABLE
Conditions To Avoid: HIGH TEMPERATURES, SPARKS, OPEN FLAME, AND ALL OTHER SOURCES OF IGNITION
Hazardous Polymerization: WILL NOT OCCUR.
Materials to Avoid: STRONG ALKALIES, STRONG MINERAL ACIDS.
Hazardous Decomposition Products: MAY FORM: CARBON DIOXIDE, CARBON MONOXIDE.

11. TOXICOLOGICAL INFORMATION

Toxicological Tests
There is no experimental data available on the product itself. However, it has been assessed according to the Gefahrstoffverordnung (preparations directive 88/379/EWG) and classified for toxicological hazards. See Section 15 for these details and associated risk and safety phrases.
Practical Experiences
Inhalation: NO DATA
Skin Contact: NO DATA
Eye Contact: No Information.
Ingestion: NO DATA.

12. ECOLOGICAL INFORMATION

Elimination Information: BIODEGRADATION UNDER AEROBIC STATIC LABORATORY CONDITIONS IS BELOW DETECTABLE LIMITS (i.e. BOD LESS THAN 2.5% OF THEORETICAL) IN 20 DAYS.
Environmental Considerations: NOT DETERMINED
Ecotoxic Effects: MATERIAL IS HIGHLY TOXIC TO AQUATIC ORGANISMS ON AN ACUTE BASIS (LD50 BETWEEN 0.1 AND 1.0 mg/L IN MOST SENSITIVE SPECIES)
Further Ecological Information
Contains according to EEC directive 76/464/EWG the following water dangerous substances in amounts > 1%:
25068-38-6 reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecularweight <= 700)

13. DISPOSAL CONSIDERATIONS

Recommendation: DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER. ALL DISPOSAL METHODS MUST BE IN COMPLIANCE WITH ALL FEDERAL, STATE/PROVINCIAL, AND LOCAL LAWS AND REGULATIONS.
Recommended Cleaning Agent: No Information.
European Waste Code #: 080111

14. TRANSPORT INFORMATION

Road Transport

ADR/RID Class: 3 (8) **ADR/RID Item:**
UN-No.: UN 3469
Proper Shipping Name: PAINT, FLAMMABLE, CORROSIVE or PAINT RELATED MATERIAL, FLAMMABLE, CORROSIVE

Subsidiary Shipping Hazard:

Sea Transport

IMDG/GGVSee Class: 3 (8) **UN-No.:** UN 3469
EmS: F-E , S-C **Page-No:** 185
Packing Group: II
Proper Shipping Name: PAINT, FLAMMABLE, CORROSIVE or PAINT RELATED MATERIAL, FLAMMABLE, CORROSIVE

Subsidiary Shipping Hazard:

Environmental Shipping Hazard:

Marine Pollutant:

CAS NumberName

107-98-2 1-methoxy-2-propanol; monopropylene glycol methyl ether 2924
25068-38-6 reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecularweight <= 700)
67-63-0 propan-2-ol; isopropyl alcohol; isopropanol 1986
111-40-0 2,2'-iminodiethylamine; diethylenetriamine
1589-47-5 2-methoxypropanol

Air Transport

ICAO/IATA Class: 3 (8) **UN-No.:** UN 3469
Packing Group: II
Shipping Name: PAINT, FLAMMABLE, CORROSIVE or PAINT RELATED MATERIAL, FLAMMABLE CORROSIVE

Subsidiary Shipping Hazard:

15. REGULATORY INFORMATION

Classification

Symbol(s) of Product



Highly Flammable, Corrosive, Dangerous for the Environment, Sensitizing

Named Chemicals on the Label

reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecularweight <= 700)
2,2'-iminodiethylamine; diethylenetriamine

Risk Phrases

R10 Flammable.
R11 Highly flammable.
R34 Causes burns.
R43 May cause sensitization by skin contact.
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R67 Vapours may cause drowsiness and dizziness.

Safety Phrases

S16 Keep away from sources of ignition - No smoking.
S24/25 Avoid contact with skin and eyes.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S33 Take precautionary measures against static discharges.
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S51 Use only in well-ventilated areas.
S61 Avoid release to the environment. Refer to special instructions/Safety data sheets.
S9 Keep container in a well-ventilated place.

Further Classification of Specific Preparations

No Information.

16. OTHER INFORMATION

Futher Information: Text for Risk Phrases shown in Section 2 describing each ingredient

R10 Flammable.

R11 Highly flammable.

R21/22 Harmful in contact with skin and if swallowed.

R34 Causes burns.

R36 Irritating to eyes.

R36/38 Irritating to eyes and skin.

R37/38 Irritating to respiratory system and skin.

R41 Risk of serious damage to eyes.

R43 May cause sensitization by skin contact.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R61 May cause harm to the unborn child.

R67 Vapours may cause drowsiness and dizziness.

Datasheet Produced by: Scandex Engineering srl

For further information, please contact: Technical Services Department

The information on this sheet corresponds to our present knowledge. It is not a specification and it does not guarantee specific properties. The information is intended to provide general guidance as to health and safety based upon our knowledge of the handling, storage, and use of the product. It is not applicable to unusual or non-standard uses of the product or where instructions and recommendations are not followed.