

Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 06/05/2007

Reviewed on 06/05/2007

1 Identification of substance

- **Product details**
- **Trade name:** WEDI JOINT SEALANT
- **Application of the substance / the preparation :** Polyurethane-sealant
- **Manufacturer/Supplier:** www.wedicorp.com
- **Information department:** Environment Protection Department
- **Emergency information:**
CHEMTREC-Day and night
Phone : 800-424-9300

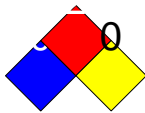
· Chemical characterization

- **Description:**
Adhesive containing a polyurethane prepolymer based on diphenylmethanediisocyanate
- **Dangerous components:**

1330-20-7	xylene, mixture of isomers	Xn, Xi; R 10-20/21-38	2-5%
1305-78-8	calcium oxide	Xn; R 41	< 2.5%
100-41-4	ethylbenzene	Xn, F; R 11-20	< 2.5%
64742-47-8	distillates (petroleum), light	Xn; R 65-66	< 2.5%
· Additional information: For the wording of the listed risk phrases refer to section 16.			

· Hazard description:

- This product is not classified as dangerous according to 1999/45/CE Directive.
- **Information pertaining to particular dangers for man and environment:**
Contains isocyanates. See information supplied by the manufacturer.
- **NFPA ratings (scale 0 - 4)**



Health = 0
Fire = 2
Reactivity = 0

· General information: Immediately remove any clothing soiled by the product.

- **After inhalation:**
Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.
In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:**
Rinse opened eye for several minutes under running water. Then consult a doctor.
- **The following symptoms may occur:**
Dizziness
Headache
Dizziness
Nausea

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5 Fire fighting measures

- **Suitable extinguishing agents:**
 - Carbon dioxide
 - Foam
 - Fire-extinguishing powder
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards caused by the material, its products of combustion or resulting gases:**
 - In case of fire, the following can be released:
 - Carbon monoxide (CO)
 - Nitrogen oxides (NO_x)
 - In certain fire conditions, traces of other toxic gases cannot be excluded, e.g.:
 - Hydrogen cyanide (HCN)
 - Isocyanates
- **Protective equipment:** Wear self-contained respiratory protective device.

6 Accidental release measures

- **Person-related safety precautions:**
 - Ensure adequate ventilation
 - Keep away from ignition sources
- **Measures for environmental protection:**
 - Do not allow product to reach sewage system or any water course.
- **Measures for cleaning/collecting:**
 - Pick up mechanically.
 - Send for recovery or disposal in suitable receptacles.
 - Do not close them (reaction with water forming carbon dioxide)

7 Handling and storage

- **Handling:**
- **Information for safe handling:** Open and handle receptacle with care.
- **Information about protection against explosions and fires:**
 - Keep ignition sources away - Do not smoke.
- **Storage:**
 - **Requirements to be met by storerooms and receptacles:** Store in a cool location.
 - **Information about storage in one common storage facility:** Not required.
 - **Further information about storage conditions:** Protect from humidity and water.

8 Exposure controls and personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Components with limit values that require monitoring at the workplace:**

1330-20-7 xylene, mixture of isomers

PEL	435 mg/m ³ , 100 ppm
REL	Short-term value: 655 mg/m ³ , 150 ppm Long-term value: 435 mg/m ³ , 100 ppm
TLV	Short-term value: 651 mg/m ³ , 150 ppm Long-term value: 434 mg/m ³ , 100 ppm
BEI	

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100-41-4 ethylbenzene

PEL	435 mg/m ³ , 100 ppm
REL	Short-term value: 545 mg/m ³ , 125 ppm Long-term value: 435 mg/m ³ , 100 ppm
TLV	Short-term value: 543 mg/m ³ , 125 ppm Long-term value: 434 mg/m ³ , 100 ppm BEI

64742-47-8 distillates (petroleum), light

TLV	Short-term value: 1 200 mg/m ³ , 165 ppm
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- **Additional information:** The lists that were valid during the creation were used as basis.
- **Personal protective equipment:**
- **General protective and hygienic measures:**
Avoid close or long term contact with the skin.
Wash hands before breaks and at the end of work.
- **Breathing equipment:**
Use suitable respiratory protective device in case of insufficient ventilation.
Filter AB
- **Protection of hands:**
PVA gloves
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Eye protection:** Not required.

9 Physical and chemical properties

- **General Information**

Form:	Pasty
Color:	Grey
Odor:	Light

- **Change in condition**

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	137°C (279°F)

- **Flash point:** 40-55°C (104-131°F)

- **Flammability (solid, gaseous):** The product is not subject to classification because its speed of combustion is lower than the limit of the regulation.

- **Ignition temperature:** > 200°C (> 392°F)

- **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

- **Explosion limits:**

Lower:	0.6 Vol %
Upper:	8 Vol %

- **Density at 20°C (68°F):** 1.17

- **Solubility in / Miscibility with**

Water:	Insoluble.
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10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.

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- **Materials to be avoided:**
- **Dangerous reactions**
*Reacts with alcohols, amines, aqueous acids and alkalis.
 Reacts with water forming carbon dioxide. Danger of receptacles bursting because of vapour overpressure.*
- **Dangerous products of decomposition:** *No dangerous decomposition products known.*

11 Toxicological information

- **Acute toxicity:**
- **LD/LC50 values that are relevant for classification:**

1330-20-7 xylene, mixture of isomers

Oral	LD50	8700 mg/kg (rat)
Dermal	LD50	2000 mg/kg (rbt)
Inhalative	LC50/4 h	6350 mg/l (rat)

100-41-4 ethylbenzene

Oral	LD50	3500 mg/kg (rat)
Dermal	LD50	17800 mg/kg (rbt)

- **Primary irritant effect:**
- **on the skin:** *May be slightly irritant.*
- **on the eye:** *Light irritating effect.*
- **Sensitization:** *No sensitizing effects known.*

12 Ecological information

- **Ecotoxicological effects:**
- **Other information:** -
- **General notes:**
*Water hazard class 1 (Self-assessment): slightly hazardous for water
 Do not allow product to reach ground water, water course or sewage system.*

13 Disposal considerations

- **Product:**
- **Recommendation:**
Must be disposed of in an incinerator for hazardous waste according to official regulations.
- **Uncleaned packagings:**
- **Recommendation:** *Disposal must be made according to official regulations.*

14 Transport information

- **DOT regulations:**
- **Hazard class:** -
- **Remarks:** *Not hazardous*
- **Land transport ADR/RID (cross-border):**
- **ADR/RID class:** -
- **Remarks:** *Not hazardous*
- **Maritime transport IMDG:**
- **IMDG Class:** -
- **Marine pollutant:** *No*
- **Remarks:** *Not hazardous*

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- Air transport ICAO-TI and IATA-DGR:
- ICAO/IATA Class: -
- Proper shipping name: Not regulated
- Remarks: Not hazardous.

15 Regulations

- Sara

- Section 355 (extremely hazardous substances):

None of the ingredient is listed.

- Section 313 (Specific toxic chemical listings):

1330-20-7 xylene, mixture of isomers

100-41-4 ethylbenzene

- TSCA (Toxic Substances Control Act):

All ingredients are listed.

- Proposition 65

- Chemicals known to cause cancer:

100-41-4 ethylbenzene

1333-86-4 Carbon black

- Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

- Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

- Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

- Cancerogenity categories

- EPA (Environmental Protection Agency)

1330-20-7 xylene, mixture of isomers

D

100-41-4 ethylbenzene

D

101-68-8 diphenylmethane-4,4'-diisocyanate

CBD;D

- IARC (International Agency for Research on Cancer)

9002-86-2 Polyvinyl chloride

3

1330-20-7 xylene, mixture of isomers

3

100-41-4 ethylbenzene

2B

1309-37-1 diiron trioxide

3

1333-86-4 Carbon black

2B

101-68-8 diphenylmethane-4,4'-diisocyanate

3

- NTP (National Toxicology Program)

None of the ingredients is listed.

- TLV (Threshold Limit Value established by ACGIH)

1330-20-7 xylene, mixture of isomers

A4

1309-37-1 diiron trioxide

A4

1333-86-4 Carbon black

A4

77-58-7 dibutyltin dilaurate

A4

- NIOSH-Ca (National Institute for Occupational Safety and Health)

1333-86-4 Carbon black

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· OSHA-Ca (Occupational Safety & Health Administration)*None of the ingredients is listed.***· Product related hazard informations:***Observe the general safety regulations when handling chemicals.**The substance is not subject to classification according to the sources of literature known to us.***· Special labeling of certain preparations:***Contains isocyanates. See information supplied by the manufacturer.***16 Other information***This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*

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· Department issuing MSDS: Laboratory**· In accordance with the international norm:** ISO 11014-1

USA