



# SAFETY DATA SHEET

Safety Data Sheet according to Directive 2001/58/EC

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## 1. PRODUCT AND COMPANY IDENTIFICATION

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**Product name:** PARALOID™ B-82 100% Resin

**Supplier** Dow Europe GmbH  
A Subsidiary of The Dow Chemical Company  
Bachtobelstrasse 3  
Horgen 8810 Switzerland

**Emergency telephone number** SWITZERLAND- DOW HORGEN: +41 (0)447 28 2822  
**Local Emergency telephone number** +41 44728 2820

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## 2. COMPOSITION/INFORMATION ON INGREDIENTS

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This product is a preparation.

This product does not contain any substances presenting a health or environmental hazard as defined by Directive 67/548/EEC nor any substances for which there are community workplace exposure limits in concentrations equal to or greater than those laid down in Directive 99/45/EEC.

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## 3. HAZARDS IDENTIFICATION

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This product is not hazardous according to EEC Directives 67/548/EC and 99/45/EC.

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## 4. FIRST AID MEASURES

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**Inhalation:** Move to fresh air.

**Skin contact:** Wash with water and soap as a precaution. If skin irritation persists, call a physician.

**Eye contact:** Rinse with plenty of water. If eye irritation persists, consult a specialist.

**Ingestion:** Drink 1 or 2 glasses of water. Consult a physician if necessary. Never give anything by mouth to an unconscious person.

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## 5. FIRE-FIGHTING MEASURES

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**Suitable extinguishing media:** Use the following extinguishing media when fighting fires involving this material:

carbon dioxide (CO<sub>2</sub>)  
dry chemical  
water spray

**Specific hazards during fire fighting:** Material as sold is combustible; burns vigorously with intense heat.

**Special protective equipment for fire-fighters:** Wear self-contained breathing apparatus and protective suit.

**Further information:** Water mist may be used to cool closed containers.

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## 6. ACCIDENTAL RELEASE MEASURES

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### Personal precautions

Appropriate protective equipment must be worn when handling a spill of this material. See SECTION "8, Exposure Controls/Personal Protection, for recommendations."

If exposed to material during clean-up operations, see SECTION 4, First Aid Measures, for actions to follow.

### Environmental precautions

CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

### Methods for cleaning up

Floor may be slippery; use care to avoid falling.

Eliminate all ignition sources.

Ventilate the area.

Transfer spilled material to suitable containers for recovery or disposal.

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## 7. HANDLING AND STORAGE

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### Handling

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed. Do not breathe vapors, mist or gas. Static charges can accumulate: use bonding and grounding between transfer equipment and receiving containers and for any other operations capable of generating static electricity.

### Storage

**Storage conditions:** Material can burn; limit indoor storage to approved areas equipped with automatic sprinklers. Ground all metal containers during storage and handling.

**Storage temperature:** > -18 °C (> -0 °F)

**Storage temperature:** < 49 °C (< 120 °F)

### Further information:

Monomer vapors can be evolved when material is heated during processing operations. See SECTION 8, for types of ventilation required.

Static charges can accumulate: use bonding and grounding between transfer equipment and receiving containers and for any other operations capable of generating static electricity.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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### Exposure limit values

There are no component related exposure limits.

### Exposure controls

**Eye protection:** safety glasses with side-shields

**Hand protection:** Cotton or canvas gloves.

**Respiratory protection:** A respiratory protection program meeting OSHA 1910.134 and ANSI Z88.2 requirements or equivalent must be followed whenever workplace conditions warrant a respirator's use. None required if airborne concentrations are maintained below the exposure limit listed in Exposure Limit Information. Air-purifying respirators should be equipped with NIOSH approved (or equivalent) organic vapor cartridges and N95 filters. If oil mist is present, use R95 or P95 filters.

**Protective measures:** Facilities storing or utilizing this material should be equipped with an eyewash facility.

**Engineering measures:** Use local exhaust ventilation with a minimum capture velocity of 150 ft/min. (0.75 m/sec.) at the point of dust or mist evolution. Refer to the current edition of "Industrial Ventilation: A Manual of Recommended Practice" published by the American Conference of Governmental Industrial Hygienists for information on the design, installation, use, and maintenance of exhaust systems.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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<b>Physical state</b>	pellets
<b>Color</b>	clear
<b>Odor</b>	Acrylic odor
<b>pH</b>	Not applicable
<b>Ignition temperature</b>	393 °Cestimated
<b>Lower explosion limit</b>	No data available
<b>Upper explosion limit</b>	No data available
<b>Vapor pressure</b>	Not applicable
<b>Vapor pressure</b>	Not applicable
<b>Relative vapor density</b>	Not applicable
<b>Water solubility</b>	practically insoluble
<b>Relative density</b>	0,66Bulk density
<b>Viscosity, dynamic</b>	Not applicable
<b>Viscosity, dynamic</b>	Not applicable
<b>Evaporation rate</b>	Not applicable
<b>Percent volatility</b>	1 %

NOTE: The physical data presented above are typical values and should not be construed as a specification.

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## 10. STABILITY AND REACTIVITY

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**Hazardous reactions**      None known.  
    Stable  
    However, avoid temperatures above 260C/500F. Thermal decomposition is dependent on time and temperature.

**Materials to avoid**            There are no known materials which are incompatible with this product.

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<b>Hazardous decomposition products</b>	Thermal decomposition may yield acrylic monomers.
<b>Polymerization</b>	Product will not undergo polymerization.

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## 11. TOXICOLOGICAL INFORMATION

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<b>Acute oral toxicity</b>	LD50 rat > 5.000 mg/kg
<b>Acute dermal toxicity</b>	LD50 rabbit > 3.000 mg/kg
<b>Skin irritation</b>	rabbit slight irritation
<b>Eye irritation</b>	rabbit slight irritation

### Further information

No data are available for this material. The information shown is based on profiles of compositionally similar materials.

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## 12. ECOLOGICAL INFORMATION

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No data available

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## 13. DISPOSAL CONSIDERATIONS

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**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

### Disposal

For disposal, incinerate this material at a facility that complies with local, state, and federal regulations.

### Waste Code

The definitive assignment of this material to the appropriate EWC group and thus its proper EWC code will depend on the use that is made of this material. If the material as delivered must be disposed of, or you require assistance with assigning the proper EWC code, please contact your local Rohm and Haas office

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## 14. TRANSPORT INFORMATION

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### Classification for ROAD and Rail transport (ADR/RID):

Not regulated (Not dangerous for transport)

### Classification for SEA transport (IMO-IMDG):

Not regulated (Not dangerous for transport)

### Classification for AIR transport (IATA/ICAO):

Not regulated (Not dangerous for transport)

## 15. REGULATORY INFORMATION

This product is not hazardous according to EEC Directives 67/548/EC and 99/45/EC.

## 16. OTHER INFORMATION

### Emergency telephone number

Belgium	+32 (0)3 5750330
Spain	+34 948 822700
France	+33 (0)3 88736000
Germany	+49 (0)421 64980
Netherlands	+31 (0)651 053078
Italy	+39 0363 320555
South Africa	+27 (0)31 7053260
Sweden	+46 (0)418 450490
United Kingdom	+44 (0)191 4898181
U.S.A.	+1 215 5923000

### Legend

ACGIH	American Conference of Governmental Industrial Hygienists
BAc	Butyl acetate
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
STEL	Short Term Exposure Limit (STEL):
TLV	Threshold Limit Value
TWA	Time Weighted Average (TWA):
	Bar denotes a revision from prior MSDS.

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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