



C.T.S. S.R.L.
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MATERIAL SAFETY DATA SHEET

(Safety Data Sheet according to Directive 2001/58/EC)

1. PRODUCT AND COMPANY IDENTIFICATION

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

Product code: **01139601-05-25-00**

Revision date: **17/04/2000**

Producer: **Rohm and Haas Company**

Distributor: **C.T.S. S.r.l.**
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emergency telephone number: **+39 0444 349088**

2. COMPOSITION/INFORMATION ON INGREDIENTS

No.		CAS REG NO.	WEIGHT (%)
1	Acrylic polymer	Not Hazardous	99-100
2	Individual residual monomers	Not Required	<0.2
3	Toluene	108-88-3	0.6 MAX

See SECTION 8, Exposure Controls / Personal Protection

EEC Risk Classification

No.		Classification and Hazard Labelling
3	Toluene	F, Xn R: 11,20

See SECTION 15, Regulatory Information

This product is a preparation.

3. HAZARDS IDENTIFICATION

First Ways of Exposure

Inhalation
Eye Contact
Skin Contact

Inhalation

Inhalation of monomer vapors from heated product can cause the following reactions:

- irritation of nose, throat, and lungs - nausea – headache



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Eye Contact

Eye contact can cause the following reactions:

- slight irritation

Skin Contact

Prolonged or repeated skin contact can cause the following reactions:

- slight skin irritation

4. FIRST AID MEASURES

Inhalation

Move subject to fresh air.

Eye Contact

Flush eyes with water. Consult a doctor if irritation persists.

Skin Contact

Wash affected skin areas thoroughly with soap and water. Consult a doctor if irritation persists. Remove contaminated clothing and then thoroughly with soap and water. Do not wash contaminated clothing at home.

Ingestion

If swallowed, give 2 glasses of water to drink. Consult a doctor. Never give anything by mouth to an unconscious person.

5. FIRE FIGHTING MEASURES

Flash Point	Not Applicable
Auto-ignition Temperature	393 °C / 739 °F
Lower Explosive Limit	No Data
Upper Explosive Limit	No Data

Unusual Hazards

Material as sold is combustible; burns vigorously with intense heat.

Extinguishing Agents

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

- carbon dioxide - dry chemical - water spray

Personal Protective Equipment

Wear self-contained breathing apparatus (pressure-demand, NIOSH approved or equivalent) and full protective gear.

Special Procedures

Use water spray to control heat.

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SINCERT**Milano**

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6. ACCIDENTAL RELEASE MEASURES

Personal Protection

Appropriate protective equipment must be worn when handling a spill of this material. For recommendations, see SECTION 8-Exposure Controls/Personal Protection. If exposed to material during clean-up operations, see SECTION 4-First Aid Measures for actions to follow.

Procedures

Keep away present people. Floor may be slippery, use care to avoid falling. Eliminate all ignition sources. Use water spray to reduce powders formation to a minimum. Transfer spilled material to suitable containers for recovery or disposal.

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

7. HANDLING AND STORAGE

Storage Conditions

Material can burn; limit indoor storage to approved areas equipped with automatic sprinklers. Avoid all ignition sources. The maximum recommended storage temperature is 49°C / 120°F.

Handling Procedures

Monomer vapors can be evolved when material is heated during processing operations. For required types of ventilation see SECTION 8-Exposure Controls/Personal Protection.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limit Information

No.		CAS REG NO.	WEIGHT (%)
1	Acrylic polymer	Not Hazardous	99-100
2	Individual residual monomers	Not Required	<0.2
3	Toluene	108-88-3	0.6 MAX

Comp No.	Units	ROHM AND HAAS		ACGIH		MAK (Germany)	
		TWA	STEL	TWA	STEL	WERT	KAT.
1		None	None	None	None		
2		a	a	a	a		
3	ppm	50 b	75 b	50 b	None	50 b	c

a Not Required

b Risk of skin-absorption

c Maximum Limit: Category II,2



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Respiratory Protection

Protect respiratory tract according to OSHA 1910.134 and ANSI Z88.2 requirements, or equivalents, whenever workplace conditions warrant the use of a respirator. None required if airborne concentrations are maintained below the exposure limit listed in Exposure Limit Information. In the presence of powders, wear a suitable half-mask air-purifying respirator, NIOSH approved or equivalent. 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.

Eye Protection

Use safety glasses with side shields (ANSI Z87.1 or approved equivalent). Eye protection worn must be compatible with respiratory protection system employed.

Hand Protection

Cotton or canvas gloves.

Engineering Controls (Ventilation)

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.

Other Protective Equipment

Facilities storing or utilizing this material should be equipped with an eyewash facility.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear
State	Granular solid
Odor Characteristic	Acrylic odour
pH	Not Applicable
Viscosity	Not Applicable
Specific Gravity (Water = 1)	0.66 g/cm ³ Bulk Density
Vapor Density (Air = 1)	Not Applicable
Vapor Pressure	Not Applicable
Melting Point	No Data
Boiling Point	Not Applicable
Solubility in Water	Practically insoluble
Percent Volatility	1.0% Maximum
Evaporation Rate (BAC = I)	Not Applicable

10. STABILITY AND REACTIVITY

Stability

This material is considered stable. However, avoid temperatures above 260°C/500°F. Thermal decomposition is dependent on time and temperature.

Hazardous Decomposition Products

Thermal decomposition may yield acrylic monomers.



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Hazardous Polymerization

Product will not undergo polymerization.

Incompatibility

There are no known materials which are incompatible with this product.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

No toxicity data are available for this material.

Toxicity data for a compositionally similar material are listed below.

Oral LD50 - rat: >5000 mg/kg

Dermal LD50 - rabbit: >3000 mg/kg

Skin Irritation - rabbit: slight irritation

Eye Irritation - rabbit: slight irritation

12. ECOLOGICAL INFORMATION

Not applicable data.

13. DISPOSAL CONSIDERATIONS

Procedures

For disposal, this product must be sent to an authorised landfill or to a suitable plant of incineration observing local regulations.

European Waste Catalogue (94/3EC) Material Classification

The correct attribution of the EWC group and of the EWC code will depend on the material use. To dispose the material as delivered or to check the assignment of the proper EWC code, please contact your local Rohm and Haas office.

14. TRANSPORT INFORMATION

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

United States

All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.



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EEC

This product satisfies all the requirements of the European Inventory of Existing Chemical Substances (EINECS).

EINECS Information

No.		CAS REG. NO.	EINECS
1	Acrylic polymer	Not Hazardous	
2	Individual residual monomers	Not Required	
3	Toluene	108-88-3	2036259

Indication of Danger

This product is not hazardous according to EEC Directives 67/548/EEC and 88/379/EEC.

16. OTHER INFORMATION

Rohm and Haas Hazard Rating		Scale
Toxicity	1	4=EXTREME
Fire	1	3=HIGH
Reactivity	0	2=MODERATE
Special	-	1=SLIGHT 0=INSIGNIFICANT

Ratings are based on Rohm and Haas guidelines and are intended for internal use.

ABBREVIATIONS:

ACGIH	= American Conference of Governmental Industrial Hygienists
OSHA	= Occupational Safety and Health Administration
TLV	= Threshold Limit Value
PEL	= Permissible Exposure Limit
TWA	= Time Weighted Average
STEL	= Short-Term Exposure Limit
BAC	= Butyl acetate
I	Bar denotes a revision from previous MSDS in this area.

The information provided in this Safety Data Sheet relates only to the specific material identified. Rohm and Haas Company believes that such information is accurate and reliable at the date of this publication. However it is not to be considered a guarantee or an assurance, expressed or implied, of information accuracy, reliability, or completeness. Rohm and Haas Company urges persons receiving this information to check its reliability and its completeness for different product applications.

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