



Rohm and Haas Company  
100 Independence Mall West  
Philadelphia, PA 19106-2399

HEALTH EMERGENCY : 215-592-3000  
SPILL EMERGENCY : 215-592-3000  
CHEMTREC : 800-424-9300

# MATERIAL SAFETY DATA SHEET

## PRODUCT IDENTIFICATION

ACRYLOID® B-72 50% Resin

Product code : 66753  
Key : 905748-7  
MSDS date : 04/05/91  
Supersedes : 05/17/89

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

## COMPONENT INFORMATION

No.	CAS REG NO.	AMT.(%)
1 Acrylic copolymer . . . . .	Not Hazardous	49-51
2 Residual monomers . . . . .	Not Required	0.6 MAX
3 Toluene . . . . .	108-88-3	49-51

## EMERGENCY RESPONSE INFORMATION

### FIRST AID PROCEDURES

#### Inhalation

Move subject to fresh air. Give artificial respiration if breathing has stopped.

#### Ingestion

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

#### Eye and Skin Contact

IMMEDIATELY flush eyes with a large amount of water for at least 15 minutes. See a physician. Wash affected skin areas thoroughly with soap and water. Remove and wash contaminated clothing thoroughly.

#### Note to Physician

Acute massive exposure to toluene can cause transient hematuria and albuminuria. Cardiac dysrhythmias can occur after massive inhalation.

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## FIRE FIGHTING INFORMATION

### Unusual Hazards

Vapors can travel to a source of ignition and flash back.

### Extinguishing Agents

Use the following extinguishing media when fighting fires involving this material:  
- polar solvent (alcohol) foam - carbon dioxide - water spray - dry chemical

### Personal Protective Equipment

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

### Special Procedures

Use water spray to cool containers exposed to fire.

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## SPILL OR LEAK HANDLING INFORMATION

### Personal Protection

Appropriate protective equipment must be worn when handling a spill of this material. See the **PERSONAL PROTECTION MEASURES** Section for recommendations. If exposed to material during clean-up operations, see the **FIRST AID PROCEDURES** Section for actions to follow.

### Procedures

Eliminate all ignition sources. Evacuate the spill area. Floor may be slippery; use care to avoid falling. Contain spills immediately with inert materials (e.g. sand, earth). Transfer liquids and solid diking material to separate suitable containers for recovery or disposal. Keep dust to a minimum.

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

**NOTE:** Spills on porous surfaces can contaminate groundwater.

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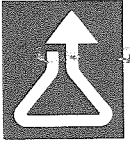
## HAZARD INFORMATION

### HEALTH EFFECTS FROM OVEREXPOSURE

#### Primary Routes of Exposure

Inhalation  
Eye Contact  
Skin Contact

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**CONTINUATION**  
Inhalation

Inhalation of solvent vapor or mist can cause the following: - irritation of nose and throat - drowsiness - slurred speech - headache - nausea - dizziness - stupor - unconsciousness  
Inhalation of high solvent vapor or mist concentrations can cause the following:  
- coma - death

Eye Contact

Material can cause the following:  
- substantial irritation - corneal clouding

Skin Contact

Material can cause the following:  
- moderate skin irritation - defatting and drying of the skin which can lead to irritation and dermatitis  
Prolonged or repeated skin contact can cause the following:  
- severe skin irritation

Delayed Effects

Prolonged or repeated overexposure to toluene can cause the following: - irritation of the respiratory tract - enlarged liver - kidney effects - cardiac sensitization - severe skin irritation

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**FIRE AND EXPLOSIVE PROPERTIES**

Flash Point	7°C/45°F Pensky Martens Closed Cup
Lower explosive limit	1.2% Estimate
Upper explosive limit	7.1% Estimate

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**REACTIVITY INFORMATION**

Instability

This material is considered stable.

Hazardous Decomposition Products

There are no known hazardous decomposition products for this material.

Hazardous Polymerization

Product will not undergo polymerization.

# ACCIDENT PREVENTION INFORMATION

## COMPONENT EXPOSURE INFORMATION

### Component Information

No.		CAS REG NO.	AMT.(%)
1	Acrylic copolymer . . . . .	Not Hazardous	49-51
2	Residual monomers . . . . .	Not Required	0.6 MAX
3	Toluene . . . . .	108-88-3	49-51

### Exposure Limit Information

Component		ROHM AND HAAS		OSHA		ACGIH	
No.	Units	TWA	STEL	TWA	STEL	TLV	STEL
1		None	None	None	None	None	None
2		a	a	a		a	a
3	ppm	50	75	100	150	100	150

a Not Required

## PERSONAL PROTECTION MEASURES

### Respiratory Protection

A respiratory protection program meeting OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use. None required if airborne concentrations are maintained below the TWA/TLV's listed in the **COMPONENT EXPOSURE INFORMATION** Section.

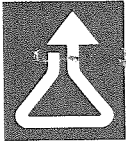
**Up to 10 times the TWA/TLV:** MSHA/NIOSH approved (or equivalent) half-mask, air-purifying respirator.

**Up to 100 times the TWA/TLV:** MSHA/NIOSH approved (or equivalent) full-facepiece, air-purifying respirator.

**Above 100 times or Unknown:** MSHA/NIOSH approved (or equivalent) self-contained breathing apparatus in the positive pressure mode,  
 OR,  
 MSHA/NIOSH approved (or equivalent) full-facepiece airline respirator in the positive pressure mode with emergency escape provisions.

Air-purifying respirators should be equipped with organic vapor cartridges.

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## CONTINUATION Eye Protection

Use chemical splash goggles (ANSI Z87.1 or approved equivalent).

## Hand Protection

The glove(s) listed below may provide protection against permeation. Gloves of other chemically resistant materials may not provide adequate protection:

- Nitrile

Gloves should be removed and replaced immediately if there is any indication of degradation or chemical breakthrough.

## Other Protection

Use chemically resistant apron or other impervious clothing to avoid prolonged or repeated skin contact.

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## FACILITY CONTROL MEASURES

### Ventilation

Use explosion proof local exhaust ventilation with a minimum capture velocity of 100 ft/min. (30 m/min.) at the point of vapor 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 and a safety shower.

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## STORAGE AND HANDLING INFORMATION

### Storage Conditions

Material can burn; limit indoor storage to approved areas equipped with automatic sprinklers. Store away from excessive heat (e.g. steampipes, radiators), from sources of ignition and from reactive materials. Low temperature storage can cause handling problems. Viscosity of material will increase.

### Handling Procedures

Ground all containers when transferring material.

### Other

**CONTAINERS HAZARDOUS WHEN EMPTY.** Since emptied containers retain product residue (vapors and/or liquid) follow all MSDS and label warnings even

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CONTINUATION

after container is emptied. Residual vapors in empty containers may explode on ignition. DO NOT cut, drill, grind or weld on or near container.

SUPPLEMENTAL INFORMATION

TYPICAL PHYSICAL PROPERTIES

Appearance	Clear
State	Liquid
Odor Characteristic	Sour, burnt odor
Viscosity	5500 CPS Maximum
Specific Gravity (Water = 1)	1.0
Vapor Density (Air = 1)	> 1
Vapor Pressure	22 mm Hg @20°C/68°F Estimate
Melting point	-95°C/-139°F Initial
Boiling point	110°C/230°F Initial
Solubility in water	Not Applicable
Percent Volatility	50-52
Evaporation rate (BAc = 1)	> 1

TOXICITY INFORMATION

Acute Data

The information shown in the **HEALTH EFFECTS FROM OVEREXPOSURE** Section is based on toxicity profiles of similar materials or on the solvents present in this material.

- Oral LD50 - rat: 5000 mg/kg
- Dermal LD50 - rabbit: 12124 mg/kg
- Inhalation LCLo - rat: 4000 ppm for 4 hr
- Skin Irritation - rabbit: moderate irritation
- Eye Irritation - rabbit: substantial irritation

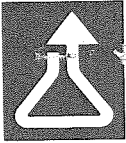
Reproductive/Teratology Data

Toluene has been demonstrated to be embryofetotoxic and teratogenic in laboratory animals.

WASTE DISPOSAL

Procedure

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



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## REGULATORY INFORMATION

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### WORKPLACE CLASSIFICATIONS

This product is considered hazardous under the OSHA Hazard Communication Standard (29CFR 1910.1200).

This product is a 'controlled product' under the Canadian Workplace Hazardous Materials Information System (WHMIS).

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### TRANSPORTATION CLASSIFICATIONS

US DOT Hazard Class . . . . . FLAMMABLE LIQUID

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### EMERGENCY PLANNING & COMMUNITY RIGHT-TO-KNOW (SARA TITLE 3)

#### Section 311/312 Categorizations (40CFR 370)

This product is a hazardous chemical under 29CFR 1910.1200, and is categorized as an immediate and delayed health, and flammability physical hazard.

#### Section 313 Information (40CFR 372)

This product contains a chemical which is listed in Section 313 above *de minimis* concentrations. The following listed chemicals are present: (Quantity present is found elsewhere on this MSDS.)

- Toluene (108-88-3)

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### CERCLA INFORMATION (40CFR 302.4)

This material has a component or components with a reportable quantity under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) and the Superfund Amendments and Reauthorization Act (SARA) Title III Section 304. The components, CAS numbers, and reportable quantities are listed below. Spills of a component in excess of its reportable quantity must be reported to the National Response Center (1-800-424-8802) and to the appropriate state and local emergency response organizations.  
Toluene (108-88-3) 1000lbs.

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### RCRA INFORMATION

When a decision is made to discard this material as supplied, it is classified as a RCRA hazardous waste with the characteristic of ignitability, hazardous waste number: D001

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### CHEMICAL CONTROL LAW STATUS

All components of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

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### STATE RIGHT-TO-KNOW LAWS

Any material listed as "Not Hazardous" in the CAS REG NO column of the **COMPONENT INFORMATION** Section of this MSDS is trade secret under the provisions of the Pennsylvania Worker and Community Right-to-Know Act.

ACRYLOID® is a trademark of Rohm and Haas Company or one of its subsidiaries or affiliates.

#### 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  
Bar denotes a revision from previous MSDS in this area.

The information contained herein relates only to the specific material identified. Rohm and Haas Company believes that such information is accurate and reliable as of the date of this material safety data sheet, but no representation, guarantee or warranty, express or implied, is made as to the accuracy, reliability, or completeness of the information. Rohm and Haas Company urges persons receiving this information to make their own determination as to the information's suitability and completeness for their particular application.