



MATERIAL SAFETY DATA SHEET

Product:

071397

ASE ® Prep CR H⁺ Form Resin (400 g)

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Emergency Phone: 1-800-424-9300 (CHEMTREC)
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The following information is believed to be accurate and is currently the best information available to us. However, we make no warranties, express or implied, with respect to the information supplied and we assume no liability resulting from its use.

2. HAZARDOUS IDENTIFICATION

HAZARD CLASS	Non hazardous		NFPA	HMIS
Eyes:	Slight irritant	HEALTH	0	1
Skin:	Slight irritation	FLAMMABILITY	0	1
Ingestion:	NA	REACTIVITY	0	0
Inhalation:	NA	NFPA SPECIAL	-	-
		HMIS PPE		

Summary: This product is non hazardous. It may cause eye and skin irritation.

3. COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS	Sulfonated divinylbenzene/styrene copolymer, H ⁺ form	Water
PERCENT (%)	>80	<20
CAS NO.	39389-20-3	7732-18-5
EINECS NO.		
RISKS	R20, R36/37	
SAFETY	S24/25/26, S36/37, S45	



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4. FIRST AID MEASURES

- GENERAL:** Remove contaminated clothing, wash thoroughly before reuse.
- EYES:** Flush with large quantities of water for at least 15 minutes occasionally raising upper and lower eyelids. If irritation persists consult a physician.
- SKIN:** Wash off with soap and water. If skin irritation persists, call a physician.
- INHALATION:** Move to fresh air, drink water to clear throat and below nose to evacuate dust
- INGESTION:** If large amounts are swallowed, get medical help immediately

5. FIRE FIGHTING MEASURES

- UNUSUAL FIRE AND EXPLOSION:** None
- HAZARDS:** Slight Irritant
- EXTINGUISHING MEDIA:** Carbon Dioxide, Foam, Dry Chemical
(Note: Carbon Dioxide is one of the decomposition products)
- SPECIAL FIRE FIGHTING PROCEDURES:** Although the product is not combustible, firefighters subject to products of combustion should wear full-protective clothing including self-contained breathing apparatus

6. ACCIDENTAL RELEASE MEASURES

- Ventilate area.
Wear appropriate protective clothing and eye protection.
Contain spill. Vacuuming or wet sweeping may be used to avoid dust dispersal.
Collect or absorb with an inert material (vermiculite, dry sand, earth, etc.)
Mop up and store in a suitable waste container.
Wash contaminated areas with soap and water.

7. HANDLING AND STORAGE

- This product as supplied is a whole bead and may produce slight eye irritation. However, the ground form of this resin should be treated as a severe eye irritant.
Ensure good ventilation.
Have an eye wash in the immediate area in case of emergency.
Store at room temperature
Keep container tightly closed
Use good laboratory practice when working with any chemical whether it is considered hazardous or not.
Continue to follow MSDS/Label warning when handling empty containers.



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8. EXPOSURE CONTROL/PERSONAL PROTECTION

ROUTES OF ENTRY

INHALATION: Not Applicable
SKIN: Skin and eye contact
INGESTION: Not Applicable

HEALTH HAZARDS

ACUTE: Unknown
CHRONIC: Unknown

VENTILATION

LOCAL EXHAUST: Not Applicable
MECHANICAL (GENERAL): Not Applicable
SPECIAL: None
OTHER: None

PROTECTIVE CLOTHING OR EQUIPMENT

GLOVES: Disposable laboratory gloves are adequate
EYE PROTECTION: Glasses or goggles.
RESPIRATORY: None
OTHER: Lab coats

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Beads
ODOR: Amber
pH: 3.0-5.5 Aqueous slurry
MOLECULAR WEIGHT: N/A (mixture)
MELTING POINT: 0 °C (32 °F) Water
BOILING POINT: 100 °C (212 °F) Water
IGNITION TEMPERATURE: 500°C (932° F)
FLASH POINT: Not Applicable
LOWER EXPLOSION LIMIT: Not Applicable
UPPER EXPLOSION LIMIT: Not Applicable
WATER SOLUBILITY (%): Insoluble
RELATIVE DENSITY: 1.25 – 1.32

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



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10. STABILITY & REACTIVITY

STABILITY/CONDITIONS TO AVOID: Stable under normal conditions

INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizers

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Thermal decomposition may yield the following; monomer vapors

HAZARDOUS POLYMERIZATION: Will not occur

11. TOXICOLOGY INFORMATION

PRODUCT TOXICOLOGY INFORMATION:

SYMPTOMS AND SIGNS OF EXPOSURE: May cause minor soreness or redness of eyes or mucous membranes.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Unknown

EMERGENCY AND FIRST AID PROCEDURES: In case of contact, wash skin with copious amounts of water.
Flush eyes with copious amounts of water for at least 15 minutes.
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.
Submit to medical examination.

ACUTE ORAL TOXICITY LD50 rat >5,000 mg/kg

ACUTE DERMAL TOXICITY LD50 rabbit >5,000 mg/kg

CARCINOGENICITY: No data found

RTECS #: No data found

ACGIH TLV TWA: No data found

OSHA PEL: No data found

NTP: No data found

IARC Monographs: No data found

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

HAZARDOUS COMPONENT TOXICOLOGY INFORMATION:

Hazardous Components: Not Applicable

RTECS #

OSHA PEL

ACGIH TLV

TOXICITY

DATA

TSCA



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12. ECOLOGICAL INFORMATION

Limited effects are expected from exposure of the environmental compartment by insoluble plastic beads of large diameter (300 to 1200 microns). Used material which has become contaminated may have significantly different characteristics based on the contaminant and should be evaluated accordingly.

13. DISPOSAL CONSIDERATIONS

Disposal

Waste Classification: When a decision is made to discard this material as supplied, it does not meet RCRA's characteristic definition of ignitability, corrosivity, or reactivity, and is not listed in 40 CFR 261.33. The toxicity characteristic (TC), however, has not been evaluated by the Toxicity Characteristic Leaching Procedure (TCLP). Unused material may be incinerated or landfilled in facilities meeting local, state, and federal regulations. Used material which has become contaminated may have significantly different characteristics based on the contaminant and should be evaluated accordingly.

14. TRANSPORT INFORMATION

D.O.T: Not regulated for transport

IMO/IMDG : Not regulated (Not dangerous for transport)

IATA CLASSIFICATION: IATA Not regulated

UN ID NUMBER:

PROPER SHIPPING NAME:

CLASS OR DIVISION:

HAZARD LABEL(S):

PACKAGING GROUP:

LIMITED QUANTITY PKG INSTRUCTION:

MAXIMUM LIMITED QUANTITY:

SPECIAL PROVISIONS:

ERG CODE:

TRAINING:

VARIATIONS:

15. REGULATORY INFORMATION

Workplace Classification

This product is considered non-hazardous under OSHA Hazard Communication Standard (29CFR1910.1200)

This product is not a 'controlled product' under the Canadian Workplace hazardous Materials Information System (WHMIS)

SARA TITLE III: Section 311/312 categorizations (40CFR370): This product is not a hazardous chemical under 29CFR 1910.1200, and therefore is not covered by Title III of SARA.

SARA TITLE III: Section 313 Information (40CFR372):

This product does not contain a chemical which is listed in Section 313 at or above de minimis concentrations

CERCLA Information (40CFR302.4)

Releases of this material to air, land, or water are not reportable to the national response Center under the Comprehensive Environment Response, Compensation, and Liability Act (CERCLA) or to Reauthorization Act (SARA) Title III Section 304.

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



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PRODUCT RISK STATEMENTS: R20 Harmful by inhalation
R36/37 Irritating to eyes and respiratory system

PRODUCT SAFETY STATEMENTS: S24 Avoid contact with the skin
S25 Avoid contact with the eyes
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S36 Wear suitable protective clothing
S37 Wear suitable gloves
S45 In case of accident or if you feel unwell, seek medical advice immediately

16. OTHER INFORMATION