


AMITEK STYRENE ACRYLIC EMULSION

Product Description

Product name	Styrene Acrylic Emulsion
Product CAS No.	9010-92-8
Product description	Styrene – acrylic copolymer emulsion
Recommended uses	Product is intended to use as a raw material in Paint Industries.

Hazards Identification

GHS Classification	Hazard Class	Skin Sensitization
	Hazard Category	1
GHS Label elements	Hazard Pictograms	
	Signal Word	Warning
	Hazard Statements	H317 May cause an allergic skin reaction.
Precautionary Statements	Prevention	P202 Do not handles until all safety precautions have been read and understood.
		P281: Use personal protective equipment as required
	Response	P303 + P361 + P353– IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
		P305 + P351 + P338– IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
	Storage	P403 + P233– Store in a well-ventilated place. Keep container tightly closed.
	Disposal	P501 Dispose of contents/ container to an approved waste disposal plant.

COMPOSITION / INFORMATION ON INGREDIENTS IDENTIFICATION:

INGREDIENT NAME	CAS NO.	Content (%)
Styrene – acrylic copolymer	9010-92-8	49 - 51
Water	7732-18-5	49 – 51

No ingredients are hazardous according to OSHA criteria.
No components need to be disclosed according to the applicable regulations.

FIRST AID MEASURES:

Eye contact

Rinse thoroughly with plenty water for at least 15 minutes and consult a physician.

Skin contact

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

Inhalation

Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration. Call a physician immediately.

Ingestion

If swallowed, call a poison control center or doctor immediately. Never give anything by mouth to an unconscious person.

FIRE FIGHTING MEASURES:

Flammability	Yes	[]	Flash Point (Open cup) (°C): NA		LEL (%): NA	
	No	[✓]	Flash Point (Close Cup) (°C): NA		UEL (%): NA	
			TDG Flammability Classification: NA		Auto-Ignition Temperature (°C): NA	
Explosion Sensitivity to Impact			Stable [] Unstable [] Data not available [✓]			
Explosion Sensitivity to Static electricity			Yes [] No [] Data not available [✓]			
Hazardous Combustion Products			Carbon monoxide & Hydrocarbons			
Hazardous Polymerisation			May occur [] Will not occur [✓]			
Combustible liquid:		Yes []	No [✓]	Corrosive material:	Yes []	No [✓]
Explosive material:		Yes []	No [✓]	Organic peroxide:	Yes []	No [✓]
Flammable material:		Yes []	No [✓]	Oxidiser:	Yes []	No [✓]
Pyrophoric material:		Yes []	No [✓]	Others:	Yes []	No [✓]
Suitable extinguishing media: Water spray, dry chemical powder or foam, carbon dioxide. Keep the container cool by spraying water if exposed to heat or flame.						

ACCIDENTAL RELEASEMEASURES:

Steps to be taken for containment and cleaning up

Recover spilled material. If unable to recover, then proceed with appropriate cleanup. Absorb with sand, sawdust. Collect the material in suitable containers. Wash the surface with water.

Personal precautions, protective equipment and emergency procedures

Use appropriate safety equipment. For additional information, refer to Section 7: Exposure controls and Personal protection.

Environmental precautions

Prevent from entering into soil, ditches, sewers, waterways and/or ground water. Refer to Section: 12 Ecological information.

HANDLING & STORAGE:

Safe handling advice

Take precautionary measures against static discharges. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed. Do not breathe vapors, mist or gas.

Storage / Transport pressure

Ambient.

Load/Unload temperature

Between 15°C and 35 °C.

Storage and Handling / material

Store in cool and dry place in tightly closed container and away from direct heat and sunlight, open flame and aromatic solvent, chlorine.

Further information on storage conditions

Mix thoroughly before use. When stored in the liquid form.

EXPOSURE CONTROL / PERSONAL PROTECTION:

Exposure limits	None established	
Personal protection	Eye/Face protection	Use safety glasses and face shield.
	Ingestion	Use good personal hygiene. Do not consume or store food in the work area. Wash hands before eating or drinking water.
	Skin/Hand protection	Wear clean, body covering cloths. Use gloves chemically resistant to this material when prolonged or frequently repeated contact could occur. Examples of preferred glove barrier materials include: Chlorinated polyethylene, Polyethylene, Ethyl vinyl alcohol laminate, Polyvinyl chloride. Examples of acceptable glove barrier materials include: Butyl rubber, Natural rubber, Neoprene, Nitrile/butadiene rubber. Avid gloves made up of Polyvinyl alcohol.
	Respiratory Protection	Respiratory protection should be worn when there is a potential to exceed the exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, wear respiratory protection when adverse effects, such as respiratory irritation or discomfort have been experienced or where indicated by your risk assessment process. In misty atmosphere, use an approved particulate respirator. The following should be effective types of air- purifying respirators: Particulate filter.
	Ventilation	Use local exhaust ventilation, or other engineering controls to maintain airborne levels below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, general ventilation should

PHYSICAL & CHEMICAL PROPERTIES:

Information on basic physical and chemical properties

Appearance	Milky white liquid
Color	White
Odor	Ammonical
Flashpoint	Noncombustible
Flammability	UEL: No data available LEL: No data available
Boiling point/range	No data available
Melting point/range	Freezing point: 0 °C (Water)
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Flammability(solid, gas)	Ordinary combustibles
Vapor pressure	No data available
pH	8 – 9.5
Density	1.0 to 1.2 g/ml
Water solubility	Dilutable
Viscosity, dynamic	30 to 70 PS 5/20

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

STABILITY & REACTIVITY:

Chemical stability

Stable under recommended storage conditions.

Thermal decomposition

No decomposition if used correctly.

Incompatible materials

Addition of chemicals, such as acids or multivalent metal salts, may cause coagulation.

Hazardous decomposition product

No hazardous reactions when stored and handled according to

TOXICOLOGICAL INFORMATION:

Acute toxicity	Very low toxicity if swallowed. Harmful effect not anticipated from swallowing small amount. For similar material(s): LD50, RAT > 5000MG/KG
Dermal	If product adheres to skin, irritation may occur when it dries. Primary skin irritation rabbit: nonirritant (OECD Guideline 404). Primary irritation of mucous membrane of rabbit: nonirritant (OECD Guideline 405) Prolonged contact may cause slight skin irritation with local redness. May produce an allergic reaction.
Inhalation	No adverse effects are anticipated from single exposure to vapor. Mist may cause irritation of upper respiratory tract (nose and throat), LC 50 has not determined.
Eye irritation	May cause slight temporary eye irritation. Corneal injury is unlikely.
Other relevant toxicity information	Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.

ECOLOGICAL INFORMATION:

Toxicity	Based on the information for similar material: material is particularly nontoxic to aquatic organisms on an acute basis(LC50/EC50/EL50/LL50>100MG/Lin the most sensitive species tested).
Persistence and degradability	Polymeric component is not expected to biodegrade.
Bio accumulative potential	No bio concentration of polymeric component expected because of its high molecular weight. Latex dispersion will color water milky white.
Results of PBT and vPvB assessment	Not assessed for persistence, bioaccumulation and toxicity (PBT)
Other adverse effects	No data available

DISPOSAL CONSIDERATION:

DO NOT DUMP INTO ANY SEWERA, ON THE GROUND, OR INTO ANY BODY OF WATER. All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator. AS YOUR SUPPLIER, WE HAVE NO CONTROL OVER THE MANAGEMENT PRACTICES OR THE MANUFACTURING PROCESS OF PARTIES HANDLING OR USING THIS MATERIAL. THE INFORMATION PRESENTED HERE PERTAINS ONLY TO THE PRODUCT AS SHIPPED IN ITS INTENDED CONDITIONS AS DESCRIBED IN MSDS SECTION: Composition information. FOR UNUSED AND UNCONTAMINATED PRODUCT, the preferred options include sending to a licensed, permitted: Incinerator or other thermal destruction device.

TRANSPORT INFORMATION:

Domestic transport	Not classified as a dangerous good under transport regulations
Sea transport (IMDG)	Not classified as a dangerous good under transport regulations
Air transport (IATA/ICAO)	Not classified as a dangerous good under transport regulations

REGULATORY INFORMATION:

Classification not required

OTHER INFORMATION

Full text of classification, including the hazard classes and the H statements if mentioned as hazardous components in Section 2 & 3:


Skin Sens.	Skin Sensitization
Aquatic chronic	Hazardous to the aquatic environment- chronic
H 412	Harmful to aquatic life with long lasting effects.
H 317	May cause an allergic skin reaction.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H320	Causes eye irritation

DISCLAMER:

The information above is believed to be accurate & represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use, handling and from contact. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way, Amitek Infra will be liable for any claims, losses, or damages of any third party or for lost any special, indirect, incidental, consequential or exemplary charge, however arising, even Amitek Infra has been advised of the possibility of such damages.

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