REF No.:	MSDS/01
<b>Rev. Date:</b>	15/11/15
<b>Issue Date:</b>	31/03/17
Version No.	1

# MATERIAL SAFETY DATA SHEET <u>ECO-IMPRES-4064-D</u>

	Product DetailsDescription:Styrene -Acrylic Resin solution					
	Product Code/s: ECO-IMPRES – 4064-D					
	Recommended Use:For Indl. (Chem. Ind.) useChemical family:Polymer			ly		
	Company Details					
	Address: 210/211, Narmada		Telephone		2 25855379	
	Indl. Premises, Pokhran Rd	., Vartak	Fax:		2 2585 5714	
	Nagar, Thane		E-Mail:		anuvichem.com	
			Website:	WWW.	anuvichem.com	
2.	Composition / Informatio	on on Ingre	dients			
	Chemical Characterization:			CAS #	<u>% Rang</u>	<u>ge</u>
	Water			7732 - 18 - 5 45 - 55		
	Amine Salt of Modified Acrylic Copolymer Ammonium Hydroxide Alcohols - C11 - C15 secondary, Ethoxylated		ymer	EC 1272/2008 40 - 50		
				1336 – 21 - 6 < 1 %		
			xylated	68131 - 40 - 8 < 2 %		
	Hazards not otherwise Classified:					
According to Regulation 1994 OSHA Hazard Communication Standard; 29 CFR Part				rd; 29 CFR Part 1910	.1200	
	Emergency Overview:			Use with local exhaust ventilation. Handle in		
				accordance with good industrial hygiene and		
				safety practice. If used as intended, this product not expected to present a physical or health		
				hazard.	<u>esont a physical of in</u>	<u>cului</u>
3.	Hazards Identification					
	Emergency Overview					
	Physical Appearance	Free flowing Transp		rent & pale vellow	liquid –	
	* 11		Characteristic odour		*	
	Potential Health Effects					
	Eyes			g or irritation on o		
	Nizin	May cau	se irritation in	n the form of redne	ess hurning or	10 00
	Skin	-			· · · · · · · · · · · · · · · · · · ·	121 (night)
	Ingestion	dermatit	is (last one in		rson being allergic)	123 gridped

swallowed. Also, may affect nervous system and cause

May cause moderate respiratory irritation, dizziness,

abdominal discomfort.

fatigue, nausea & headache

Inhalation

Eyes:	Immediately flush eyes with plenty of water for two to three minutes. Remove eye contact lenses (if wearing one) and continue flushing with water for 15 minutes. C medical attention
Skin:	Remove contaminated clothing and immediately wash affected area with plenty of soap and water. Seek medical attention where necessary. Wash contaminated clothing before use.
Ingestion:	Contact local medical practitioner or medical help. Do not induce vomiting unless advised by medical practitioner. If vomiting occurs then keep head lower than hip to help prevent aspiration. Get medical attention immediately.
Inhalation:	Remove the patient to fresh air (open and airy space), supply oxygen if breathing i difficult. Seek medical attention immediately.
Clothing	Remove contaminated clothing and wash the affected body part/s with water
Flammability	& Fire Fighting Measures

substances can be released in case of fire.

Firefighting equipment:Fire fighters must be equipped with self-contained breathing apparatus and<br/>turn-out gear.<br/>Contaminated fire extinguishing water must be disposed off in accordance<br/>with the official regulations.

# 6. Accidental Release (spillage / leakage) Measures General procedure: Vacate area of spill or leak. Wear appropriate personal protective equipment. Contain and recover liquid to the extent possible Collect the liquid in an appropriate container or absorb with an inert material like saw dust / dry sand / universal binder / acid binder or cloth stripes (Chindhi) etc. Disperse any vapour and flush spill away from the personnel or other ignitable material. Whatever is collected from the accidental release – treat as prescribed under Disposable Material" Do not discharge in to drains, ground water and/or surface water streams. 7. Handling & Storage

General procedure:<br/>Precautions against Fire<br/>& ExplosionNo special measures necessary provided product is used correctly<br/>No special precaution/s necessaryConditions for storage,<br/>including ay in-<br/>compatibilitiesKeep containers tightly closed and in a cool placeShelf LifeOne year from date of manufacture when stored in original sealed container<br/>at recommended storage temperature range.

# 8. Exposure Control & Personal Protection

Exposure guidelines: OSHA Hazardous Components (29 CIR 1910.1200) – Exposure Limits

products:

### **Personal Protection Equipment:**

Eye & face	Wear safety glasses with side shields or goggles when handling this material
Skin	Wear impervious gloves and appropriate protective clothing as required to minimize contact with skin
Respiratory:	A half-face organic vapour respirator maybe worn for protection up to ten or full- face respirator for protection up to fifty times the exposure limit or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier. Whichever is lowest must be followed. For emergencies where the exposure levels are unknown, use a full-face air respirator.

Transparent & pale yellow liquid









# 9. Physical & Chemical Properties

**Physical State** % Solid Content Brookfield viscosity cps Spindle 3/RPM 60 at 30°C pН Vapour Density **Boiling Point** Freezing Point **Melting Point** Solubility in Water Flash Point Flammability Lower explosion limit Upper explosion limit Auto-ignition Density Thermal decomposition VOC or % Volatilities Evaporation rate

 $30 \pm 1$  $300 \pm 100$  $8.5 \pm 1$ Heavier than air Around 100°C 0°C Not applicable Yes No flash point (measurement made up to boiling point) Not Flammable 15 % (V) 28 % (V) Due to high water content - product does not ignite  $1.04 \text{ g/cm}^3$ Stable up to boiling point < 1 % Not determined

## **10.** Stability & reactivity

Reactivity	No hazards if stored / handled as prescribed
Oxidizing properties	No fire propagation
Chemical Stability	Product is stable if product is stored and handled as prescribed.
Polymerization or	Shall not occur, if product is stored as prescribed
Hazardous reactions:	
Conditions to avoid	See sec. 7 (Handling & Storage)
Incompatible material/s	No such material identified
hazards	
Hazardous decomposition	No hazards if stored / handled as prescribed
products	
Thermal decomposition	Stable up to boiling point

Primary routes of exposure	Routes of entry for solids and liquids are ingestion and inhalation, but
Timury Toutes of exposure	may include eye or skin contact.
	Routes of entry for gases include inhalation and eye contact.
	Skin contact may be a route of entry for liquefied gases.
Acute Toxicity:	Assessment of acute toxicity: Virtually nontoxic after a single ingestion
	Oral Type of value: LD50
	Species: rat
	Value: > 5,000 mg/kg
12. Ecological Information	
Environmental data	No data available.
13. Disposal Considerations	
Product	Material that cannot be transferred to recovery or re-cycle should be
riouuci	handled as hazardous waste and the extract disposed off at a Govt.
	Approved waste facility or incinerator (or handed over to waste handlin
	authorised contract). Always dispose according to the current regulation
	or the acts of the country of residence.
	Dispose of in accordance with national, state and local regulations. It is the waste generator's responsibility to determine if a particular waste is
	hazardous under RCRA.
Un-cleaned packing:	Contaminated packing material should be emptied as for as possible an
	after appropriate cleaning could be re-used or disposed as per the
	regulations.
14. Transport Information	
Department of Transporta	
Proper Shipping Name Technical Name	Resin solution Styrene Acrylic Resin Solution
Land Transport (USDOT)	Not classified as Dangerous Goods under Transport Regulations
Sea Transport (IMDG)	Not classified as Dangerous Goods under Transport Regulations
Air Transport (IATA / ICAC	)) Not classified as Dangerous Goods under Transport Regulations
15. Regulatory Information	
Federal regulations	
Registration status	Chemical - TSCA US Released list
EPCRA 311/322 Hazard	Acute; Chronic
category NFPA Hazard Codes	Health: 1; Fire: 0; Reactivity: 0; Special: None

16. Other Information						
NFPA Codes	Health	1	HMS Codes			

	Fire	0	Fire	0
	Reactivity	0	Reactivity	0
			Protection	G

- Additional The OSHA Hazard Communication Standard, 29 CFR 1910.1200, Paragraph (g) (4), specifically permits chemical manufacturers to single MSDS for a category of complex mixtures, where those "**Mixtures**" have similar Hazards and contents. Therefore, this MSDS applies to the range of products described in Section 1, or all products with the same product name listed in section 1 (unless described otherwise). Where specific data is required for the purposes of regulatory reporting, a Technical Data Sheet shall be provided for the specific product, on request to us (manufacturer).
- Manufacturers Disclaimer: Information given herein is offered in good faith as accurate, but without guarantee. Conditions of issue and stability of the product for particular use and suitability of the product for specific application/s are beyond our control; all risks of use of this product are therefore assumed by the user. Nothing is intended as a recommendation for uses, which infringe valid Patents or extending Licence under valid Patents. Appropriate warning and safe handling procedures should be provided to all the handlers and users of this material.

# ANUVI CHEMICALS LIMITED (AN ISO 9001: 2015 COMPANY)

Sales office: 205/210/211, Narmada, Laxmi Industrial Premises, Pokharan Road No.1, Vartak Nagar, Thane - 400 606, Maharashtra. India. Tel.:+91-22-25855379 / 25855714 Website:www.anuvi.in



Health

1