

REF No.	MSDS/01	MATERIAL SAFETY DATA SHEET <u>ECO-IMPRES-2574</u>
Issue Date	31/03/2019	
Version No.	1	

1. Product & Company Identification

Product Details

Description: Sodium salt of polymeric carboxylic acid
Product Code/s: ECO-IMPRES – 2574
Recommended Use: For Indl. (Chem. Ind.) use only
Chemical family: Polymer

Company Details

ANUVI CHEMICALS LTD

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Nagar, Thane	E-Mail:	sales@anuvichem.com
	Website:	www.anuvichem.com

2. Composition / Information on Ingredients

Chemical Characterization	CAS #	% Range
Sodium salt of polymeric carboxylic acid	9003-04 – 7	35-37
Individual residual monomers	0000 – 33 – 2	< 0.1
Water	7732-18-5	< 63-65 %

Emergency Overview:

Use with local exhaust ventilation. Handle in accordance with good industrial hygiene and safety practice. If used as intended, this product is not expected to present a physical or health hazard.

3. Hazards Identification

Emergency Overview

Physical Appearance

Free flowing milky to translucent liquid – Characteristic odour



Potential Health Effects

Eyes

May cause eye burning or irritation on over exposure
May cause irritation in the form of redness, burning or dermatitis (last one in severe cases or person being allergic)



Skin

Chemicals present in this mixture may be harmful if swallowed. Also, may affect nervous system and cause abdominal discomfort.



Ingestion

Inhalation

May cause moderate respiratory irritation, dizziness, fatigue, nausea & headache


4. First Aid Measures

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. Get 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 hips to help prevent aspiration. Get medical attention immediately.
Inhalation	Remove the patient to fresh air (open and airy space), supply oxygen if breathing is difficult. Seek medical attention immediately.
Clothing	Remove contaminated clothing and wash the affected body part/s with water

5. Flammability & Fire Fighting Measures

Extinguishing media	Water spray, Dry Powder and Foam	
Hazardous combustion products	Harmful vapours. Evolution of fumes & fog. Substances / group substances can be released in case of fire.	
Firefighting equipment	Fire fighters must be equipped with self-contained breathing apparatus and turn-out gear. Contaminated fire extinguishing water must be disposed off in accordance 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.
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7. Handling & Storage

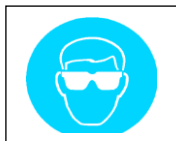
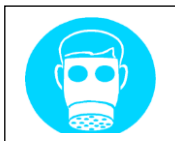
General procedure	No special measures necessary provided product is used correctly
Precautions against Fire & Explosion	No special precaution/s necessary
Conditions for storage, including ay in-compatibilities	Keep containers tightly closed and in a cool place
Shelf Life	One year from date of manufacture when stored in original sealed container at recommended storage temperature range.

8. Exposure Control & Personal Protection

Exposure guidelines	OSHA Hazardous Components (29 CIR 1910.1200) – Exposure Limits
<u>Personal Protection Equipment</u>	
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.



9. Physical & Chemical Properties

Physical State	Clear Yellow liquid
% Solid Content	36 ± 1
Brookfield viscosity cps	200 ± 100
Spindle 3/RPM 60 at 30°C	
pH	9.0 ± 1
Vapour Density	Heavier than air
Boiling Point	Around 100°C
Freezing Point	0°C
Melting Point	Not applicable
Solubility in Water	Yes
Flash Point	No flash point (measurement made up to boiling point)
Flammability	Not Flammable
Lower explosion limit	15 % (V)
Upper explosion limit	28 % (V)
Auto-ignition	Due to high water content - product does not ignite
Density	1.04 g/cm ³
Thermal decomposition	Stable up to boiling point
VOC or % Volatilities	< 1 %
Evaporation rate	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 Hazardous reactions:	Shall not occur, if product is stored as prescribed
Conditions to avoid	See sec. 7 (Handling & Storage)
Incompatible material/s hazards	No such material identified
Hazardous decomposition products	No hazards if stored / handled as prescribed
Thermal decomposition	Stable up to boiling point

11. Toxicological Information

Primary routes of exposure	Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact.
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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 handled as hazardous waste and the extract disposed off at a Govt. Approved waste facility or incinerator (or handed over to waste handling authorised contract). Always dispose according to the current regulations 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 far as possible and after appropriate cleaning could be re-used or disposed as per the regulations.

14. Transport Information

Department of Transportation Rules

Proper Shipping Name

Polymer Emulsion

Technical Name

Acrylic Polymer Emulsion

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 / ICAO)

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

HMIS III Rating

Health: 1; Flammability: 0; Physical hazard: 0

16. Other Information

NFPA Codes

Health

1

HMS Codes

Health

1

	Fire	0		Fire	0
	Reactivity	0		Reactivity	0
				Protection	G

Additional Information

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.

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