

MATERIAL SAFETY DATA SHEET (MSDS)

1. Identification

Product Name: DPA-240

INCI Name: POLYACRYLIC ACID

CAS Number: 9003-01-4

Product Use: Cosmetic Raw Materials

Manufacturer/Supplier: DreamPolymer, Inc.

Address: A205, 98, Haenggung-ro, Paldal-gu, Suwon-si, Gyeonggi-do, Republic of Korea 16463

General Information: Tel : 82-31-309-4375

2. Hazards Identification

GHS Classification:

Health

Acute Toxicity . Not Classified (inhalation), Not Classified (oral/dermal)

Eye Corrosion . Classification not possible

Skin Corrosion . Not Classified

Skin Sensitization -Not Classified

Mutagenicity -Not Classified

Carcinogenicity -Not Classified

Reproductive/Developmental -Classification not possible

Target Organ Toxicity (Repeated) Classification not possible

TLV: Threshold Limit Value -N/A, no danger exists

Environmental

Aquatic Toxicity -Acute Not Classified

Physical

Flammable Liquid -Not Classified

GHS Label:

Symbols: None

Hazard Statements

Causes mild skin irritation and eye damage.

May cause allergic skin reaction.

Precautionary Statements

Do not eat or drink when using this product.

Do not breathe mist/vapors.

Keep container tightly closed.

Wear respiratory protection, protective gloves and eye/face protection.

Use in a well-ventilated area.

Store container tightly closed in cool/well-ventilated place.

Wash thoroughly after handling.

3. Composition / Information on Ingredients

Component : POLYACRYLIC ACID

CAS Number : 9003-01-4

Weight % : 19 ~23

Component : Deionized Water

CAS Number : 7732-18-5

Weight % : 77 ~ 81

4. First Aid Measures

Eye: Eye irritation. Flush immediately with large amounts of water for at least 20 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Get immediate medical attention.

Skin: Itching or irritation of the skin. Immediately flush the skin with plenty of water while removing contaminated clothing and shoes. Wash contaminated clothing before reuse.

Inhalation: Nasal irritation, headache, dizziness, nausea, vomiting, heart palpitations, breathing difficulty, cyanosis, tremors, weakness, red flushing of face, irritability. Remove exposed person from source of exposure to fresh air. If not breathing, clear airway and start cardiopulmonary resuscitation (CPR). Get immediate medical attention.

Ingestion: Get immediate medical attention. Do not induce vomiting unless directed by medical personnel.

5. Fire Fighting Measures

Suitable Extinguishing Media: Use dry chemical, foam, or carbon dioxide to extinguish fire. Water may be ineffective but should be used to cool fire-exposed containers, structures and to protect personnel. Use water to dilute spills and to flush them away from sources of ignition.

Fire Fighting Procedures: Use media appropriate to primary cause of fire. Use water spray to cool containers exposed to fire. Minimize exposure. Do not breathe fumes. Contain run-off.

Unusual Fire and Explosion Hazards: None known.

Combustion Products: None known

6: Accidental Release Measures

Land Spill: Wearing recommended protective clothing and equipment, dike spill with soil, sand, or compatible commercial absorbent. Remove remaining liquid with a pump, vacuum truck, or absorb liquid in sand or commercial absorbent. Place waste in approved containers for disposal. Dispose waste according to Federal, State, and local regulations.

Water Spill: Wear protective clothing and equipment. Stop flow. Dike contaminated water and remove for disposal and/or treatment. Notify proper authorities and all downstream users if possible. Dispose of with Solid Waste according to Federal, State, and Local Regulations.

***CAUTION*:** Floor will be Slippery

Refer to Section 15 for spill/release reporting information.

7. Handling and Storage

Handling

Do not get in eyes, on skin or on clothing. Do not breathe vapors or mists. Keep container closed. Use only with adequate ventilation. Use good personal hygiene practices. Wash hands before eating, drinking, smoking. Remove contaminated clothing and clean before re-use.

Storage

Store in tightly closed containers in cool, dry, well-ventilated area away from heat, sources of ignition and incompatibles. Ground lines and equipment used during transfer to reduce the possibility of static spark-initiated fire or explosion. Store at ambient or lower temperature. Store out of direct sunlight. Keep containers tightly closed and upright when not in use. Protect against physical damage.

Empty containers may contain toxic, flammable and explosive residue or vapors. Do not cut, grind, drill, or weld on or near containers unless precautions are taken against these hazards.

8. Exposure Controls / Personal Protection

Personal protective equipment

Respiratory protection:

Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator.

Hand protection:

Chemical resistant protective gloves

Eye protection:

Safety glasses with side-shields.

General safety and hygiene measures:

Wear protective clothing as necessary to minimize contact. Handle in accordance with good industrial hygiene and safety practice.

9. Physical and Chemical Properties

Flashpoint: NA

Autoignition Temperature: NA

Boiling Point: NA

Melting Point: NA

Vapor Pressure: NA

Vapor Density(Air=1): NA

% Solubility in Water: NA

Pour Point: NA

Odor/Appearance: Clear liquid, acidic odor.

Lower Flammability Limit: NA

Upper Flammability Limit: NA

Specific Gravity: NA

% Volatile: 19 ~23

Evaporation Rate (Water=1): NA

Viscosity: 20,000 ~ 40,000 cP @ 25oC

Octanol/Water Partition Coefficient:

pH: 3.0 +/- 1.0

10. Stability and Reactivity

Stability/Incompatibility: Incompatible with oxidizers and/or reducing agents

Hazardous Reactions/Decomposition Products: None known

11. Toxicological Information

Acute toxicity

Oral: None known

(POLYACRYLIC ACID)

Type of value: LD50

Species: rat

Value: > 2,500 mg/kg

Irritation / corrosion

Skin:

None known

Eye:

None known

Sensitization:

None known

12. Ecological Information

Acute Fish 96 Hr LC50, Flathead minnow: None known

Acute Daphnia 48 Hr EC50: None known

Acute Purple sea urchin 40min. IC25 mg/L: None known

13. Disposal Considerations

Incinerate liquid and contaminated solids in accordance with Federal, State, and local regulations and permits. Refer to state and local requirements for any additional requirements, as these may be different from Federal laws and regulations. Chemical additions, processing or otherwise altering this material may make waste management information presented in the MSDS incomplete, inaccurate or otherwise inappropriate.

14. Transport Information

U.S. Department of Transportation (DOT)

Proper Shipping Name: DPA-240

Hazard Class: Not Regulated

UN/NA Number: Not Regulated

Packing Group: None

Labels Required: None

International Maritime Organization (IMDG)

Proper Shipping Name: DPA-240

Hazard Class: Not Regulated

UN/NA Number: Not Regulated

Packing Group: None

Labels Required: None

15. Regulatory Information

Federal Regulations

Registration status:

Chemical TSCA, US released / listed

OSHA hazard category: This material is classified as not hazardous under OSHA regulations.;

EPCRA 311/312 (Hazard categories): Not hazardous;

16. Other Information

National Fire Protection Association (NFPA) Ratings: This information is intended solely for the use of individuals trained in the NFPA system.

Health: 0

Flammability: 0

Reactivity: 0

Revision Indicator: New MSDS -Oct 04, 2023

Revision: 0

Supersedes: 12/16/2022

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