

Material Safety Data Sheet

Version 3.0
Revision Date 09/15/2013

1. PRODUCT AND COMPANY IDENTIFICATION

Product name:

co-[DMA, NAS, MAPS]

Product number: MCP-2

Company: Lucidant Polymers, LLC
1230 Bordeaux Dr.
Sunnyvale, CA 94089-1202
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2. HAZARDS IDENTIFICATION

Emergency Overview

OSHA Hazards

No known OSHA hazards.

HMIS Classification

Health Hazard: 0
Flammability: 0
Physical Hazards: 0

NFPA Rating

Health Hazard: 0
Fire: 0
Reactivity Hazard: 0

Potential Health Effects

Inhalation May be harmful if inhaled. May cause respiratory tract irritation.
Skin May be harmful if absorbed through skin. May cause skin irritation.
Eyes May cause eye irritation.
Ingestion May be harmful if swallowed.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Formula: $(DMA)_n - (NAS)_m - (MAPS)_p$ where $n = 0.97$, $m = 0.02$, and $p = 0.01$.

Molecular Weight: approx. 1,000,000 g/mol

CAS-No.	EC-No.	Index-No.	Concentration
co-[DMA, NAS, MAPS]			
-	-	-	-

4. FIRST AID MEASURES

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

In case of skin contact

Wash off with soap and rinse immediately with plenty of water.

In case of eye contact

Flush eyes with water as a precaution.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water.

5. FIRE-FIGHTING MEASURES

Flammable properties

Flash point no data available

Ignition temperature no data available

Suitable extinguishing media

water spray, alcohol-resistant foam, carbon dioxide, dry chemical

Special protective equipment for fire-fighters

Wear self-contained breathing apparatus for fire fighting if necessary.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Avoid breathing vapors, mist or gas.

Environmental precautions

Do not let product enter drains.

Methods and materials for containment and cleaning up

Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Avoid breathing dust. Use only in area provided with appropriate exhaust ventilation. Wear personal protective equipment (dust mask).

Conditions for safe storage

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Recommended storage temperature: -20°C or lower

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Contains no substances with occupational exposure limit values.

MSDS: Copoly-(N,N-dimethylacrylamide, N,N acryloylsuccinimide, and 3-(trimethoxysilyl) propyl methacrylate (co-[DMA, NAS, MAPS])

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Personal protective equipment

Respiratory protection

Respiratory protection is not required except when handling dry powder. Wear dust masks.

Hand protection

Use protective gloves.

Eye protection

Wear safety glasses.

Skin and body protection

Observe general industrial hygiene practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	
Form	solution in dimethylacetamide
Safety data	
pH	no data available
Melting point	no data available
Boiling point	no data available
Flash point	no data available
Ignition temperature	no data available
Lower explosion limit	no data available
Upper explosion limit	no data available
Water solubility	freely soluble

10. STABILITY AND REACTIVITY

Chemical stability

Stable under recommended storage conditions.

Conditions to avoid

Keep away from open flames, hot surfaces, and sources of ignition.

Materials to avoid

Strong oxidizing agents

Hazardous decomposition products

Hazardous decomposition products formed under fire conditions: carbon oxides.

11. TOXICOLOGICAL INFORMATION

Acute toxicity	no data available
Irritation and corrosion	no data available
Sensitization	no data available

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

MSDS: Copoly-(N,N-dimethylacrylamide, N,N acryloylsuccinimide, and 3-(trimethoxysilyl) propyl methacrylate (co-[DMA, NAS, MAPS])

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NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity

no data available

Specific target organ toxicity - single exposure (Globally Harmonized System)

no data available

Specific target organ toxicity - repeated exposure (Globally Harmonized System)

no data available

Aspiration hazard

no data available

Potential health effects

Inhalation May be harmful if inhaled. May cause respiratory tract irritation.

Ingestion May be harmful if swallowed.

Skin May be harmful if absorbed through skin. May cause skin irritation.

Eyes May cause eye irritation.

Signs and Symptoms of Exposure

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Polyacrylamide is not toxic. However, residual acrylamide monomer is a neurotoxin and suspected carcinogen. Residual dimethylacrylamide and other monomers have been removed from this product by a series of extraction steps.

Additional Information

12. ECOLOGICAL INFORMATION

Ecotoxicity

no data available

Elimination information (persistence and degradability)

no data available

Further information on ecology

no data available

13. DISPOSAL CONSIDERATIONS

Product

Observe all federal, state, and local environmental regulations.

Contaminated packaging

Rinse thoroughly to remove all product, dispose of rinse water in accordance with local regulations.

14. TRANSPORT INFORMATION

MSDS: Copoly-(N,N-dimethylacrylamide, N,N acryloylsuccinimide, and 3-(trimethoxysilyl) propyl methacrylate (co-[DMA, NAS, MAPS])

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DOT (US)

DOT: ROAD TRANSPORT
Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

15. REGULATORY INFORMATION

OSHA Hazards

No known OSHA hazards

TSCA Status

Not on TSCA Inventory

DSL Status

This chemical is not on the Canadian DSL list.

SARA 302 Components

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

No SARA Hazards

Massachusetts Right To Know Components

No components listed.

Pennsylvania Right To Know Components

No components listed.

New Jersey Right To Know Components

No components listed.

California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

16. OTHER INFORMATION

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Lucidant Polymers, LLC, shall not be held liable for any damage resulting from handling or from contact with the above product.