



The MSDS format adheres to the standards and regulatory requirements of the United States and may not meet regulatory requirements in other countries.

DuPont
Material Safety Data Sheet

EPM00125 CSX-156A
Revised 28-MAR-2005

CHEMICAL PRODUCT/COMPANY IDENTIFICATION

Product Use

Noble Metals CMP

Company Identification

MANUFACTURER/DISTRIBUTOR

DuPont Air Products Nanomaterials LLC
2441 West Erie Drive
Tempe
Arizona
USA
85282

PHONE NUMBERS

Product Information : 1-800-441-7515 (outside U.S 302-774-1000)
Transport Emergency : CHEMTREC 1-800-424-9300 (outside U.S
703-527-3887)
Medical Emergency : 1-800-441-3637 (outside U.S 302-774-1000)

COMPOSITION/INFORMATION ON INGREDIENTS

Components

Material	CAS Number	%
Component A		1-5
Water	7732-18-5	95-100

Components (Remarks)

Specific identity of Component A withheld as trade secret.

HAZARDS IDENTIFICATION

Emergency Overview

Milky white suspension with no odor.

Potential Health Effects

POTENTIAL HEALTH EFFECTS
Data for CSX-156A

INHALATION

No adverse effects expected.

EYE CONTACT

(HAZARDS IDENTIFICATION - Continued)

No adverse effects expected.

SKIN CONTACT

No adverse effects expected.

INGESTION

Not expected to be a hazard by this route.

TARGET ORGANS

None known.

MEDICAL CONDITION AGGRAVATED BY EXPOSURE

None known.

Carcinogenicity Information

None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as a carcinogen.

FIRST AID MEASURES

First Aid

INHALATION

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

SKIN CONTACT

In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Call a physician. Wash contaminated clothing before reuse.

EYE CONTACT

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

INGESTION

If swallowed, do not induce vomiting. Immediately give 2 glasses of water. Never give anything by mouth to an unconscious person. Call a physician.

Notes to Physicians

Treat symptomatically as required by the condition of the patient.

FIRE FIGHTING MEASURES

Flammable Properties

Flash Point : None
Autoignition : None
Flammable limits in Air, % by Volume
LEL : None
UEL : None

Extinguishing Media

Water.

Fire Fighting Instructions

Wear self-contained breathing apparatus (SCBA) and full protective equipment. Flood with water. Use water spray.

HAZARDOUS COMBUSTION PRODUCTS
None

ACCIDENTAL RELEASE MEASURES

Safeguards (Personnel)

NOTE: Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with clean-up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up.

Spill Clean Up

Soak up with sawdust, sand, oil dry or other absorbent material.

Transfer absorbent and other contaminated materials to a UN approved covered container for disposal. Consult with Federal, State, and local regulatory agencies to determine acceptable clean-up levels. Comply with Federal, State and local regulations on reporting releases.

HANDLING AND STORAGE

Handling (Personnel)

Avoid contact with eyes, skin or clothing. Wash thoroughly after handling. Wash clothing after use.

Handling (Physical Aspects)

Close container after each use. Keep container tightly closed. Open container only in well-ventilated area.

(HANDLING AND STORAGE - Continued)

Storage

Store above 32 F (0 C)

Keep in original closed containers.

EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls

Use only with adequate ventilation.

Personal Protective Equipment

EYE/FACE PROTECTION: Wear safety glasses or coverall chemical splash goggles.

RESPIRATORS: Where there is potential for airborne exposures in excess of applicable limits, wear NIOSH approved respiratory protection.

PROTECTIVE CLOTHING: Where there is potential for skin contact have available and wear as appropriate impervious gloves, apron, pants, and jacket.

Exposure Guidelines

Exposure Limits

CSX-156A	
PEL (OSHA)	: None Established
TLV (ACGIH)	: None Established

PHYSICAL AND CHEMICAL PROPERTIES

Physical Data

Boiling Point	: 212 F (100 C)
pH	: ~7
Form	: Slurry.
Color	: Milky, White.
Vapor Pressure	: Not Available
Vapor Density	: <1 (Air=1.0)
Evaporation Rate	: Not Available
Specific Gravity	: ~1.02
Solubility in Water	: Insoluble Solids
Odor	: None.

STABILITY AND REACTIVITY

Chemical Stability

Stable at normal temperatures and storage conditions.

Decomposition

Decomposition will not occur.

HAZARDOUS DECOMPOSITION PRODUCT(S)
None known.

Polymerization

Polymerization will not occur.

TOXICOLOGICAL INFORMATION

Animal Data

Data for CSX-156A

INHALATION
No information is available.

EYE CONTACT
No information is available.

SKIN CONTACT
No information is available.

INGESTION
No information is available.

GENOTOXICITY
No information is available.

TARGET ORGANS
Skin and eyes.

ECOLOGICAL INFORMATION

Ecotoxicological Information

Data for CSX-156A
No information is available.

FATE
No information is available.

DISPOSAL CONSIDERATIONS

Waste Disposal

Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State/Provincial, and Local regulations.

Container Disposal

Empty containers retain product residue. Observe all hazard precautions. Do not distribute, make available, or reuse empty containers except for storage and shipment of original product. Remove all product residue, and puncture or otherwise destroy empty containers before disposal. Consult 40 CFR, Parts 261 and 268 for guidance on disposal.

TRANSPORTATION INFORMATION

Shipping Information

DOT/IMO/IATA
Not Regulated.

REGULATORY INFORMATION

U.S. Federal Regulations

This product complies with TSCA inventory reporting requirements.

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 Hazard Categories None

313

This product is not subjected to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION AND LIABILITY ACT)

Reportable Quantity(RQ): None

We recommend you contact local authorities to determine if there may be other local reporting requirements.

OTHER INFORMATION

Additional Information

Exposure to CSX-156A should be kept to the lowest level possible. This material is for industrial use. Use only under the supervision of a technically qualified individual.

The data in this Material Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process.

Responsibility for MSDS : DuPont AirProducts Nanomaterials LLC
MSDS Coordinator
Telephone : (757) 686-8663 or (919) 248-5027

Indicates updated section.

This information is based upon technical information believed to be reliable. It is subject to revision as additional knowledge and experience is gained.

End of MSDS