

MATERIAL SAFETY DATA SHEET

99140CBA MIKROFINE ADC-21 (50%-DIDP)

Version Number 1.0

Page 1 of 6

Revision Date 07/17/2002

Print Date 11/5/2011

1. PRODUCT AND COMPANY IDENTIFICATION
POLYONE CORPORATION

2700 Papin Street, St. Louis, MO 63103

NON-EMERGENCY TELEPHONE : Product Stewardship, (314) 771-1800

Emergency telephone number : CHEMTREC 1-800-424-9300 (24hrs for spill, leak, fire, exposure or accident).

Product name : 99140CBA MIKROFINE ADC-21 (50%-DIDP)

Product code : FO20000271

Chemical Name : Mixture

CAS-No. : Mixture

Product Use : Industrial Applications

2. COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

Components	CAS-No.	Weight %
Silica, amorphous, precipitated and gel	112926-00-8	1 - 5

3. HAZARDS IDENTIFICATION
EMERGENCY OVERVIEW

Material contains a flammable solid. Ground containers and equipment before transferring. This mixture has not been evaluated as a whole for health effects. Information provided on health effects of this product is based on the individual components. In addition, heating or processing this material may result in product degradation or byproduct formation creating additional hazards. See Sections 8 and 11 for additional details.

POTENTIAL HEALTH EFFECTS

Routes of Exposure: : Eyes, Inhalation, Skin contact, Ingestion

Acute exposure

Inhalation : At process temperatures, product emissions may cause irritation.
 Ingestion : No adverse health effects are anticipated.
 Eyes : May cause eye/skin irritation.
 Skin : Experience shows no unusual dermatitis hazard from routine handling.

Chronic exposure : Refer to Section 11 for Toxicological Information.

Medical Conditions : None known.

Aggravated by Exposure:

MATERIAL SAFETY DATA SHEET

99140CBA MIKROFINE ADC-21 (50%-DIDP)

Version Number 1.0

Page 2 of 6

Revision Date 07/17/2002

Print Date 11/5/2011

4. FIRST AID MEASURES

- Inhalation : Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration. When symptoms persist, or in all cases of doubt, seek medical advice.
- Ingestion : Not an anticipated health hazard.
- Eyes : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, seek medical attention.
- Skin : Wash off with soap and plenty of water.

5. FIRE-FIGHTING MEASURES

- Flash point : Greater than 200 °F
- Flammable Limits
 Upper explosion limit : No data available.
 Lower explosion limit : No data available.
- Autoignition temperature : No data available.
- Suitable extinguishing media : waterfoam.
- Special Fire Fighting Procedures : Fullface self-contained breathing apparatus (SCBA) used in positive pressure mode should be worn to prevent inhalation of airborne contaminants. Cool closed containers exposed to fire with water spray. Decomposition products are flammable. May form explosive smoke/air mixtures if inadvertently heated above 50°C (122°F) or stored incorrectly. If inadvertent heating of product results in smoke production, spray immediately and thoroughly with water.
- Unusual Fire/Explosion Hazards : The thermal decomposition products are flammable and when concentrated can form an explosive mixture. Provide adequate ventilation. Ensure smoke and mist are not allowed to accumulate.

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions : Wear appropriate personal protection during cleanup, such as impervious gloves, boots and coveralls.
- Environmental precautions : Should not be released into the environment. The product should not be allowed to enter drains, water courses or the soil.
- Methods for cleaning up : Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

7. HANDLING AND STORAGE

MATERIAL SAFETY DATA SHEET

99140CBA MIKROFINE ADC-21 (50%-DIDP)

Version Number 1.0

Page 3 of 6

Revision Date 07/17/2002

Print Date 11/5/2011

- Handling : Wear personal protective equipment. Take measures to prevent the build up of electrostatic charge. Provide for appropriate exhaust ventilation and dust collection at machinery.
- Storage : Keep away from open flames, hot surfaces and sources of ignition. Keep away from direct sunlight. Keep in a dry, cool place. Decomposition products are flammable. May form explosive smoke/air mixtures if inadvertently heated above 50°C (122°F) or stored incorrectly.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- Respiratory protection : When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Employees using respirators must be properly trained. Employers must follow applicable regulations such as OSHA 29 CFR 1910.134.
- Eye/Face Protection : safety glasses
- Hand protection : rubber gloves
- Skin and body protection : Long sleeved shirts and long pants are adequate for normal handling. Where operations present a splash or spill potential, employees should wear chemically resistant clothing, boots, gloves, and eye/face protection.
- Additional Protective Measures : When using, do not eat, drink or smoke.
- General Hygiene Considerations : Do not breathe dust or spray mist. Handle in accordance with good industrial hygiene and safety practices.
- Engineering measures : Adequate ventilation and/or appropriate respiratory protection may also be necessary to minimize employee exposure to processing vapors.

Exposure limit(s)

Components	Value	Exposure time	Exposure type	List:
Silica, amorphous, precipitated and gel	10 mg/m3	Time Weighted Average (TWA):	Total dust.	ACGIH
Silica, amorphous, precipitated and gel	5 mg/m3	PEL:	Respirable fraction.	OSHA Z1
	15 mg/m3	PEL:	Total dust.	OSHA Z1

9. PHYSICAL AND CHEMICAL PROPERTIES

- Form : Liquid Evaporation rate : Not applicable.
- Appearance : Viscous liquid dispersion Specific Gravity : Not determined

MATERIAL SAFETY DATA SHEET

99140CBA MIKROFINE ADC-21 (50%-DIDP)

Version Number 1.0

Page 4 of 6

Revision Date 07/17/2002

Print Date 11/5/2011

Color	: NO PIGMENT	Bulk density	: Not established
Odor	: Very faint	Vapor pressure	: Not determined
Melting point/range	: Not applicable	Vapor density	: Not determined
Boiling Point:	: Not applicable	pH	: Not determined
Water solubility	: Negligible		

10. STABILITY AND REACTIVITY

Stability	: Stable.
Hazardous Polymerization	: Will not occur.
Conditions to avoid	: Heat, flames and sparks.
Incompatible Materials	: Reacts with water or acids to form carbon dioxide.
Hazardous decomposition products	: hydrocarbons ammonia Carbon dioxide (CO ₂), carbon monoxide (CO), oxides of nitrogen (NO _x), other hazardous materials, and smoke are all possible. Decomposition products are flammable. May form explosive smoke/air mixtures if inadvertently heated above 50°C (122°F) or stored incorrectly.

11. TOXICOLOGICAL INFORMATION

This mixture has not been evaluated as a whole for health effects. Exposure effects listed are based on existing health data for the individual components which comprise the mixture.

Toxicity Overview

This product contains the following components which in their pure form have the following characteristics:

CAS-No.	Chemical Name	Effect	Target Organ
112926-00-8	Silica, amorphous, precipitated and gel	Irritant	Respiratory system, Eyes.

12. ECOLOGICAL INFORMATION

Persistence and degradability	: No data available.
Environmental Toxicity	: No data available.
Bioaccumulation Potential	: No data available.
Additional advice	: No data available.

13. DISPOSAL CONSIDERATIONS

Product	: The generator of waste material has the responsibility for proper waste classification, transportation and disposal in accordance with applicable federal, state/provincial and local regulations.
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MATERIAL SAFETY DATA SHEET

99140CBA MIKROFINE ADC-21 (50%-DIDP)Version Number 1.0
Revision Date 07/17/2002Page 5 of 6
Print Date 11/5/2011

Contaminated packaging : Recycling is preferred when possible. The generator of waste material has the responsibility for proper waste classification, transportation and disposal in accordance with applicable federal, state/provincial and local regulations.

14. TRANSPORT INFORMATION

U.S. DOT / CA TDG Classification : Not regulated for transportation.

ICAO/IATA : Not regulated for transportation.

IMO / IMDG : Not regulated for transportation.

15. REGULATORY INFORMATION

US Regulations:

OSHA Status : Classified as hazardous based on components.

TSCA Status : All components of this product are listed on the TSCA inventory or are exempt.

US. EPA CERCLA Hazardous Substances (40 CFR 302)

Not applicable

California Proposition 65 : This product does not contain a substance listed by California Prop 65.

Canadian Regulations:

WHMIS Classification : Not controlled.

DSL : Listed.

National Inventories:

Australia AICS : Listed.

China IECS : Listed.

Europe EINECS : Not determined.

MATERIAL SAFETY DATA SHEET

99140CBA MIKROFINE ADC-21 (50%-DIDP)

Version Number 1.0

Page 6 of 6

Revision Date 07/17/2002

Print Date 11/5/2011

Japan ENCS : Not determined.

Korea KECI : Listed.

Philippines PICCS : Listed.

16. OTHER INFORMATION

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.