

Revision Date 06/12/2015

Revision 6



SAFETY DATA SHEET DIAZO POWDER SENSITISER

1. IDENTIFICATION

Product Name	DIAZO POWDER SENSITISER
Identified uses	Industrial use: Screen printing
Uses advised against	The product should not be used for any purpose, other than that described above.
Supplier	MacDermid Autotype Inc. 1675 Winnetka Circle, Rolling Meadows, IL 60008, USA T: 001 847 818 8262 F: 001 847 818 8280 e: SDS@macdermidautotype.com
Emergency Telephone	800-424-9300 (Chemtrec, 24 hours)

2. HAZARD(S) IDENTIFICATION

EMERGENCY OVERVIEW

This Product is Hazardous under the OSHA Hazard Communication Standard. This product is hazardous under the Workplace Hazardous Materials Information System (WHMIS)

GHS Pictogram



Signal Word	Warning	
Hazard Statements	H319	Causes serious eye irritation.
Precautionary Statements	P264 P280 P305 P351 P337+313	Wash skin thoroughly after handling. Wear eye protection. IF IN EYES: Rinse cautiously with water for several minutes. If eye irritation persists: Get medical advice/attention.
GHS Classification	Physical and Chemical Hazards Human health Environment	Not classified. Eye Irrit. 2 - H319 Not classified.

3. COMPOSITION/INFORMATION ON INGREDIENTS

BENZENEDIAZONIUM-4-PHENYLAMINE SULPHATE:FORMALDEHYDE CONDENSATE	60-100%
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CAS No.: 41432-19-3

EC No.:

GHS Classification Eye Irrit. 2 - H319

4. FIRST-AID MEASURES

DIAZO POWDER SENSITISER

Description of first aid measures

Inhalation

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

Ingestion

Immediately rinse mouth and drink plenty of water (200-300 ml). Give milk instead of water if readily available. Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach vomit doesn't enter the lungs. Get medical attention if any discomfort continues.

Skin Contact

Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if irritation persists after washing.

Eye Contact

Promptly wash eyes with plenty of water while lifting the eye lids. Make sure to remove any contact lenses from the eyes before rinsing. Continue to rinse for at least 15 minutes. Get medical attention promptly if symptoms occur after washing.

Most important symptoms and effects, both acute and delayed

Inhalation

Irritation of nose, throat and airway.

Ingestion

May cause stomach pain or vomiting.

Skin Contact

No specific symptoms noted.

Eye Contact

Irritating and may cause redness and pain.

Indication of any immediate medical attention and special treatment needed

Notes To The Physician

No specific first aid measures noted.

5. FIRE-FIGHTING MEASURES

Auto Ignition Temperature (°C)

Not available.

Flammability Limit - Lower(%)

Not available.

Flammability Limit - Upper(%)

Not available.

Flash point (°C)

Not available.

Extinguishing Media

Extinguish with foam, carbon dioxide, dry powder or water fog.

Unsuitable extinguishing media

None known.

Hazardous combustion products

Fire creates: Carbon monoxide (CO). Carbon dioxide (CO₂). Nitrous gases (NO_x). Sulfurous gases (SO_x).

Protective Equipment For Fire-Fighters

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Avoid inhalation of dust. Avoid contact with skin and eyes. Wear protective clothing as described in Section 8 of this material safety data sheet.

Environmental Precautions

Avoid discharge into water courses or onto the ground.

Spill Clean Up Methods

Avoid generation and spreading of dust. Collect powder using special dust vacuum cleaner with particle filter or carefully sweep into closed container. Transfer to a container for disposal. Flush with plenty of water to clean spillage area.

7. HANDLING AND STORAGE

Handling

Avoid inhalation of dust and contact with skin and eyes. Do not eat, drink or smoke when using the product. Wash hands after contact.

Storage

Store in tightly closed original container in a dry and cool place.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

COMPONENT	STD	TWA (8-hrs)		STEL (15 min)		Notes
BENZENEDIAZONIUM-4-PHENYLAMINE SULPHATE:FORMALDEHYDE CONDENSATE	ACGIH	3 mg/m3 resp.dust	10 mg/m3 inh.dust	-	-	

ACGIH=American Conference of Governmental Industrial Hygienists.

Engineering Measures

Provide adequate ventilation. Observe Occupational Exposure Limits and minimize the risk of inhalation of dust.

Respiratory Equipment

If ventilation is insufficient, suitable respiratory protection must be provided. In case of inadequate ventilation or risk of inhalation of dust, use suitable respiratory equipment with particle filter (type P2).

Hand Protection

Wear protective gloves. Butyl rubber gloves are recommended. Neoprene gloves are recommended. Nitrile gloves are recommended.

Eye Protection

Wear dust resistant safety goggles where there is danger of eye contact.

Other Protection

Wear suitable protective clothing as protection against splashing or contamination.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Powder, dust
Color	Brown.
Odor	Almost odorless.
Solubility	Soluble in water.
Initial boiling point and boiling range	Not applicable.
Melting point (°C)	Not available.
Bulk Density	Not available.
Vapor density (air=1)	Not applicable.
Vapor pressure	Not applicable.
Evaporation rate	Not applicable.
pH-Value, Diluted Solution	> 2 @ 10% w/v
Viscosity	Not applicable.
Decomposition temperature (°C)	120 °C (248 °F)
Flash point	Not available.
Auto Ignition Temperature (°C)	Not available.
Flammability Limit - Lower(%)	Not available.
Flammability Limit - Upper(%)	Not available.
Oxidising properties	Does not meet the criteria for oxidising.

10. STABILITY AND REACTIVITY

Reactivity

Reaction with: Acids. Oxidizing materials.

Stability

Stable under normal temperature conditions and recommended use.

None known.

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Conditions To Avoid

There are no known conditions that are likely to result in a hazardous situation.

Materials To Avoid

Strong acids. Strong oxidizing substances.

Hazardous Decomposition Products

None at ambient temperatures.

11. TOXICOLOGICAL INFORMATION

Toxicological information

No data recorded.

12. ECOLOGICAL INFORMATION

Toxicity

The product is not expected to be hazardous to the environment.

Degradability

The product is expected to be biodegradable.

Bioaccumulative potential

The product does not contain any substances expected to be bio-accumulating.

Mobility:

Mobile. The product is water soluble and may spread in water systems.

Other adverse effects

None known.

13. DISPOSAL CONSIDERATIONS

Disposal Methods

Dispose of contents/container in accordance with local regulations. Contact specialist disposal companies.

Waste Class

Not classified as hazardous waste under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261

14. TRANSPORT INFORMATION

General

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, DOT).

Transport Labels

No transport warning sign required.

Environmentally Hazardous Substance/Marine Pollutant

No.

15. REGULATORY INFORMATION

US Federal Regulations

Federal Regulations Comments

SECTION 313: This product does not contain toxic chemical subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR Part 372. TSCA: The ingredients of this product are on the TSCA Inventory.

US State Regulations

State Regulations Comments

State and local regulations may apply.

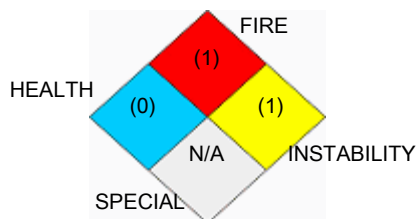
16. OTHER INFORMATION

DIAZO POWDER SENSITISER

HAZARDOUS MATERIAL INFORMATION SYSTEM (HMIS)

HEALTH		1
FLAMMABILITY		
PHYSICAL		1
PERSONAL PROTECTION		B

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)



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Disclaimer

This 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. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.