

SAFETY DATA SHEET

Rev. Date: 5-18-2015 Prepared according to OSHA Hazard Communication Standard Rule - 29 CFR 1910.1200 and the Canadian Hazardous Products Act and the Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations.

Page **1** of **8**

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Identification of the substance or mixture:

Product name: Speedball Diazo Sensitizer

Common Name: 4-Diazodiphenylamine / formaldehyde condensate hydrogen phosphate complex

1.2 Use of the substance/mixture:

Use of the Substance/Preparation: Negative-working photosensitizer for silkscreens.

1.3 Company/undertaking identification:

Speedball Art Products

2301 Speedball Rd

Statesville, NC 28677 USA

Emergency Call: 800-898-7224 FAX: 704-838-1472

E-mail: customerservice@speedballart.com

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

GHS (Globally Harmonized System of Classification and Labelling of Chemicals)

This product is not regulated according to the criteria of the United States, Occupational Safety and Health Administration (OSHA), Hazard Communication, 29 Code of Federal Regulation 1910.1200.

2.2 Label elements:

GHS (Globally Harmonized System of Classification and Labelling of Chemicals)

This product is not regulated according to the criteria of the United States, Occupational Safety and Health Administration (OSHA), Hazard Communication, 29 Code of Federal Regulation 1910.1200.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance related information:

CAS-No.: 71550-45-3

3.2 Hazard Ingredients:

Hazardous components

This product does not contain any hazardous components as defined by relevant legislation.

Components with a community workplace exposure limit

This product does not contain components with a community exposure limit.

SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures:

Eye contact : Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Skin contact : In case of skin contact, wash the skin with copious quantities of soap and water. If redness, itching or burning sensation develops, consult medical personnel.

Ingestion : Rinse mouth with plenty of water. Seek medical advice.

4.2 Most important symptoms and effects: May be irritating to eyes and skin.

SAFETY DATA SHEET

Rev. Date: 5-18-2015 Prepared according to OSHA Hazard Communication Standard Rule - 29 CFR 1910.1200 and the Canadian Hazardous Products Act and the Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations.

Page **2** of **8**

4.3 Indication of immediate medical attention and special treatment needed: Seek medical advice if you feel unwell.

SECTION 5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media : Material does not burn. Use extinguishing media appropriate to type of fire and surrounding materials, i.e. water fog, carbon dioxide, dry chemical powder or appropriate foam.

5.2 Special hazards arising from the substance or mixture:

Hazardous decomposition products / combustion products: Carbon dioxide, carbon monoxide, nitrogen oxides.

5.3 Advice for fire-fighters:

Special protective equipment for fire-fighters : Firefighters should be equipped with self-contained breathing apparatus to protect against potentially irritating fumes.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

Personal precautions : See section 8: Exposure controls / personal protection.

6.2 Environmental precautions:

Environmental precautions : Spilled material and wash water must be disposed of in accordance with local discharge regulations. Comply with all federal, state and local spill regulations.

6.3 Methods and material for containment and cleaning up:

Methods for cleaning up : Collect material for proper disposal. Material may be mixed with sand or earth or neutralizing media. Material may be neutralized with a sodium carbonate solution. Wash the spill site with warm water after material pick-up is completed. Spilled material and wash water must be disposed of in accordance with local discharge regulations. Comply with all federal, state and local spill regulations.

6.4 Reference to other sections:

For waste disposal see section 13.
For personal protection see section 8.

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling:

Hygiene measures : Normal chemical handling procedures should be practiced. Employees should wash their hands and face before eating, drinking, or using tobacco products. Educate and train employees in the safe use and handling of chemical materials. Sinks and eye wash stations should be available in the work area.

Advice on protection against fire and explosion : Material is non-combustible and non-explosive.

SAFETY DATA SHEET

Rev. Date: 5-18-2015 Prepared according to OSHA Hazard Communication Standard Rule - 29 CFR 1910.1200 and the Canadian Hazardous Products Act and the Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations.

Page **3** of **8**

7.2 Conditions for safe storage:

Requirements for storage areas and containers : Keep container tightly closed. Keep in a dry, cool place. Protect from direct sunlight.

Further information on storage conditions : Always keep all chemicals locked up or in an area accessible only to qualified or authorized persons.

7.3 Specific end use: Photosensitizer for silkscreens.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters: We are not aware of control parameters for this substance.

8.1.1 Components with occupational exposure limits resp. biological occupational exposure limits requiring monitoring: We are not aware of exposure limits for this substance.

8.1.1.1 Occupational exposure limits:

Air limit values (US)

We are not aware of any national exposure limit.

Air limit values (CA)

We are not aware of any national exposure limit.

Biological limit values (US)

We are not aware of any national exposure limit.

Biological limit values (CA)

We are not aware of any national exposure limit.

8.1.1.2 Additional exposure limits under the conditions of use: None known.

8.2 Exposure controls:

Occupational exposure controls:

- **Instruction measures to prevent exposure:**

Minimize exposure in accordance with good chemical manufacturing hygiene practices. Avoid contact with the eyes, skin and clothing.

Employees should wash their hands and face before eating, drinking, or using tobacco products. Keep away from foodstuffs, drinks and tobacco.

- **Technical measures to prevent exposure:**

Sinks and eyewash stations should be available in the work area.

- **Personal measures to prevent exposure:**

Respiratory protection : Respirator protection is not required.

Hand protection : Use chemical resistant gloves. Avoid gloves made of natural latex.

SAFETY DATA SHEET

Rev. Date: 5-18-2015 Prepared according to OSHA Hazard Communication Standard Rule - 29 CFR 1910.1200 and the Canadian Hazardous Products Act and the Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations.

Page 4 of 8

Eye protection : ANSI approved safety goggles.

Personal protective equipment : Educate and train employees in the safe use and handling of this product. Sinks and eye wash stations should be available.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Basic physical and chemical properties:

9.1.1 Appearance:

State of matter : viscous oily resin
Form : viscous oily resin
Color : dark brown
Odor : slightly pungent odor
Odor threshold : no data available

9.1.2 Important health, safety and environmental information:

pH : No data available
Melting point/range : Decomposes
Boiling point/range : >93.3° C Decomposes
Flash point : None, Not combustible
Auto ignition temperature : None, Not combustible
Vapor pressure : Not established
Relative vapor density : No data available
Density : 1.3 / gmL
Water solubility : Infinite
Partition coefficient
(n-octanol/water) : No data available

9.1.2 Important health, safety and environmental information: cont'd

Viscosity, dynamic : No data available
Viscosity, kinematic : No data available
Lower explosion limit : No data available
Upper explosion limit : No data available
Evaporation rate : No data available

9.2 Other information:

VOC content : 0.0 g/l
VOC content excluding water

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity:

Reactivity : Reacts with oxidizing agents.

10.2 Chemical stability:

Stability : The product is stable under normal conditions of storage and use.

SAFETY DATA SHEET

Rev. Date: 5-18-2015 Prepared according to OSHA Hazard Communication Standard Rule - 29 CFR 1910.1200 and the Canadian Hazardous Products Act and the Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations.

Page 5 of 8

10.3 Possibility of hazardous reactions:

None known.

10.4 Conditions to avoid:

Conditions to avoid : Exposure to Heat and light.

10.5 Materials to avoid:

Materials to avoid : Avoid contact with strong oxidizing agents. Avoid contact with strong alkalis.

10.6 Hazardous decomposition products:

Hazardous decomposition : Carbon monoxide (CO), Carbon dioxide (CO₂) and nitrogen oxides.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Data not relevant for classification purposes.

Toxicokinetics, metabolism and distribution:

No data available.

Acute effects (toxicity tests):

- Acute Toxicity

	Effect dose	Species	Value	Method
Acute oral toxicity	No data available			
Acute dermal toxicity	No data available			
Acute inhalation toxicity	No data available			

- Specific target organ toxicity (STOT):

Specific effects	Affected organs
No data available	No data available

- Irritant and corrosive effects:

	Exposure time	Species	Evaluation	Method
Primary irritation to the skin	No data available			
Irritation to eyes	Irritating to eyes.			

- Irritation to the respiratory tract:
No data available

- Sensitisation:

Species	Evaluation	Method
	No data available	

- Aspiration hazard:

SAFETY DATA SHEET

Rev. Date: 5-18-2015 Prepared according to OSHA Hazard Communication Standard Rule - 29 CFR 1910.1200 and the Canadian Hazardous Products Act and the Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations.

Page 6 of 8

No data available

Sub-acute, sub-chronic and chronic toxicity

- **Repeated dose toxicity:**
No data available
- **Specific target organ toxicity (STOT):**
No information available.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):**

- Carcinogenicity

Based on available data, the classification criteria are not met.

- Mutagenicity

No data available

- Genetic toxicity in vitro

No data available

- Genetic toxicity in vivo

No data available

- Teratogenicity

No data available

- Toxicity to reproduction

No data available

- **Summarized evaluation of the CMR properties:**

Carcinogenicity	: No data available
Mutagenicity	: No data available
Teratogenicity	: No data available
Toxicity to reproduction	: No data available

SECTION 12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity:	Effect dose	Exposure time	Species	Value
Toxicity to fish	No data available			
Toxicity to daphnia	No data available			
Toxicity to algae	No data available			
Toxicity to bacteria	No data available			

12.2 Persistence and degradability:

Adsorbed organic bound halogens (AOX)

No data available

Biodegradation

SAFETY DATA SHEET

Rev. Date: 5-18-2015 Prepared according to OSHA Hazard Communication Standard Rule - 29 CFR 1910.1200 and the Canadian Hazardous Products Act and the Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations.

Page 7 of 8

No data available

Biochemical Oxygen Demand (BOD)

No data available

12.3 Bioaccumulative potential:

Partition coefficient (n-octanol/water)

No data available

Bioconcentration factor (BCF)

No data available

12.4 Mobility in soil:

No information available.

Henry's constant

No information available.

Transport between environmental compartments

No data available

12.5 Results of PBT and vPvB assessment:

No data available

12.6 Other adverse effects:

No information on ecology is available.

SECTION 13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Waste disposal should be in accordance with existing federal, state and local environmental control laws.

Empty containers.

Recondition or dispose of empty container in accordance with governmental regulations.

US. RCRA Hazardous Waste Classification (40 CFR 261)

Under RCRA, it is the responsibility of the product user to determine, at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste.

SECTION 14. TRANSPORT INFORMATION

Not regulated according to IMO/IMDG.

Not regulated according to ICAO/IATA aircraft only.

Not regulated according to ICAO/IATA passenger and cargo aircraft.

Not regulated according to US Department of Transportation (DOT) 49 CFR

Not regulated according to Transport of Dangerous Goods (TDG)

SECTION 15. REGULATORY INFORMATION

US. Toxic Substances Control Act (TSCA)

All of the components of this product are listed on the TSCA Inventory.

TSCA CDR (Toxic Substances Control Act Chemical Data Reporting)

SAFETY DATA SHEET

Rev. Date: 5-18-2015 Prepared according to OSHA Hazard Communication Standard Rule - 29 CFR 1910.1200 and the Canadian Hazardous Products Act and the Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations.

Page **8** of **8**

This substance is listed on the TSCA CDR EXEMPT LIST and is, by statute and regulation, exempt from reporting under the Chemical Data Reporting rule, i.e., TSCA Chemical Data Reporting Requirements (40 CFR 711).

US. OSHA Classification

This product is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

US. SARA 311/312 Hazard Categories

No SARA Hazards

US. California Prop. 65

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

State Right-to-Know Information

The following chemicals are specifically listed by individual states. Other product specific health and safety data in other sections of the SDS may also be applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.

US. New Jersey Worker and Community Right-to-Know Act (New Jersey Statute Annotated Section 34:5A-5)

	CAS-No.	Concentration [%]
• Benzenediazonium,4-(phenylamino)-, phosphate (1:1), polymer with formaldehyde (Chemical abstracts name).	71550-45-3	>= 80.0 - <= 100.0

US. Massachusetts, New Jersey, Pennsylvania or Rhode Island Right to Know Substance Lists: See Section 2.

Canadian WHMIS Classification

Not regulated.

Canadian Environmental Protection Act (CEPA)

This product contains the following components listed on the Canadian NDSL list. All other components are on the Canadian DSL list.

- Benzenediazonium, 4-(phenylamino)-, phosphate (1:1), polymer with formaldehyde (Chemical abstracts name).

SECTION 16. OTHER INFORMATION

To the best of our knowledge the chemical, physical and toxicological properties of this material have not been thoroughly investigated. The information contained herein is believed, as of this date, to be reliable and is presented in good faith. It is, however, furnished without warranty or guarantee of any kind, expressed or implied, and Speedball Art Products disclaims any liability incurred from the use or reliance upon the same.

The data on this SDS relates only to the specific material designated herein. Speedball Art Products assumes no legal responsibility for use or reliance upon these data. This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard Rule - 29 CFR 1910.1200 and the Canadian Hazardous Products Act.