

Speedball Diazo Sensitizer

SAFETY DATA SHEET (SDS)

Version: 01
Date of Issue: April 5, 2022

According to: Article 18(3)(a) of Regulation (EC) No
1272/2008

Section 1 – Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product identifier

Product Name: Speedball Diazo Sensitizer
Other Means of Identification: None
Product Description: A thick paste intended to be mixed with water and *Speedball Diazo Photo Emulsion* for screen-printing and general arts and crafts purposes.

Hazardous Components for labelling:

- 4-Diazodiphenylamine / formaldehyde condensate hydrogen phosphate complex (P-diazoldiphenylamine polymer) (CAS No. 71550-45-3).
- Phosphoric Acid (CAS No. 7664-38-2).

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified use(s): Use product for its intended purpose as a screen-printing medium.

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: Speedball Europe
Villantipolis 5
473 route des Dollines
06560 Valbonne, France

Business Phone: +33 6 03 36 21 73

Email: europe@speedballart.eu

1.4 Emergency telephone number

Emergency Telephone: Transportation emergencies only: Infotrac 1-352-323-3500

Section 2 – Hazard(s) Identification

2.1. Classification of the substance or mixture

According to: Regulation (EC) No 1272/2008 [CLP]

	Health	Environment	Physical
Classification according to Regulation (EC) No 1272/2008 [CLP]	Eye Irritation (Category 2), H319 Skin Irritation (Category 2), H315	Not classified	Not classified
SCL and/or M-factor	N/A	N/A	N/A
Classification Procedure	Practical experience / human evidence	N/A	N/A

2.2. Label elements

Label Pictogram:



Signal Word: Warning

Hazard Statement: H319: Causes serious eye irritation. H315: Causes skin irritation.

Precautionary Statement:

- Do not handle until all safety precautions have been read and understood. (P202)
- Wash hands thoroughly after handling (P264)
- Do not eat, drink or smoke when using this product (P270)
- Contaminated work clothing should not be allowed out of the workplace (P272)
- Wear protective gloves/protective clothing/eye protection/face protection (P280)
- IF ON SKIN: wash with plenty of water (P302+P352)
- Specific treatment (see section 4: First Aid Measures) (P321)
- IF SKIN irritation occurs: Get medical advice/attention (P332+P313)
- Take off contaminated clothing (P362)
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing. (P305+P351+P338)
- IF eye irritation persists: Get medical advice/attention (P337+P313)

2.3. Other hazards

- No other hazards have been identified for this product.

Section 3 – Composition / Information on Ingredients

Mixture

<u>Chemical Name</u>	<u>CAS No.</u>	<u>EINECS No.</u>	<u>% Weight</u>	<u>Product identifier type in accordance with Article 18(2) of Regulation (EC) No 1272/2008</u>
4-Diazodiphenylamine / formaldehyde condensate hydrogen phosphate complex (P-diazoldiphenylamine polymer)	71550-45-3	N/A	up to 90%	CAS Number
Phosphoric acid	7664-38-2	231-633-2	≤1%	CAS Number

Section 4 – First Aid Measures

4.1 Description of first aid measures

Eye contact: IF IN EYES: Rinse cautiously with water for at least 15 minutes. Remove contact lenses if present and easy to do - continue rinsing. IF eye irritation persists: Get medical advice/attention.

Skin contact: IF ON SKIN: wash with plenty of water and soap. IF SKIN irritation occurs: Get medical advice/attention. Take off contaminated clothing.

Inhalation: Inhalation route of exposure is not anticipated with intended use. If exposed to excessive levels of material in the air, move the exposed person to fresh air. Seek medical attention if in doubt.

Ingestion: No specific first aid measures are required. Rinse mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Seek medical attention if in doubt.

4.2 Most important symptoms and effects, both acute and delayed

- May be irritating to skin and eyes
- Refer to **Section 11** - Toxicological Information.

4.3 Indication of any immediate medical attention and special treatment needed

- Not required.

Section 5 – Fire Fighting Measures

5.1 Extinguishing media

Suitable Extinguishing Media: Use extinguishing media suitable for surrounding area if material is involved in a fire (e.g., water fog, foam, dry chemical or carbon dioxide).

Unsuitable Extinguishing Media: None known.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products:

- Irritating vapours or fumes may form if product is involved in fire:
 - Carbon dioxide
 - Carbon monoxide
 - Nitrogen oxides
- See also **Section 10** - Stability and Reactivity.

5.3 Advice for firefighters

- Wear a self-contained breathing apparatus to protect against potentially irritating fumes.

Section 6 – Accidental Release Measures

6.1 Personal precautions, protective equipment (PPE) and emergency procedures

Personal Precautions: Observe PPE advice in **Section 8** – Exposure Controls/Personal Protection.

Emergency Procedures: Not available.

6.2 Environmental precautions:

- Prevent entry and contact with soil, drains, sewers, and waterways. Inform relevant local/regional/national/international authorities.

6.3 Methods and material for containment and cleaning up

Containment/Clean-up Measures: Contain spill if safe to do so. Product may be mixed with sand, earth or neutralizing media. Rinse the spill area with warm water after material pick-up is completed. Collect recoverable product and place in a designated container for disposal. Dispose of contents/container and wash water in accordance with local/regional/national/international regulations.

6.4 Reference to other sections

- Refer to **Section 8** - Exposure Controls/Personal Protection and **Section 13** – Disposal Considerations.

Section 7– Handling and Storage

7.1 Precautions for safe handling

- Wash hands thoroughly after handling.
- Do not eat, drink or smoke when using this product.
- Wash contaminated clothing before reuse.
- Employees should be trained in the safe use and handling of chemical materials.
- Sinks and eye wash stations should be available in the work area.
- Refer to **Section 8** - Exposure Controls/Personal Protection.

7.2 Conditions for safe storage, including any incompatibilities

- Keep container tightly closed to avoid spills.
- Keep in a cool dry place.
- Protect from direct sunlight.
- Keep in original container.
- Keep chemicals locked up or in an area accessible to only qualified personnel.

7.3 Specific end use(s)

- Refer to **Section 1.2** - Relevant identified uses.

Section 8– Exposure Controls / Personal Protection

8.1 Control Parameters:

Chemical Name	CAS No.	% Weight	Agency	Limit Type
4-Diazodiphenylamine / formaldehyde condensate hydrogen phosphate complex (P-diazodiphenylamine polymer)	71550-45-3	up to 90%	N/A	N/A
Phosphoric acid	7664-38-2	≤1%	ACGIH	1 mg/m ³ TWA (8 hr)
			EU ELV	2 mg/ m ³ STEL (15-min)

8.2 Exposure Controls:

Appropriate engineering controls

- Use ventilation or other engineering controls to maintain airborne concentrations below exposure limits.
- Minimize contact with eyes, skin and clothing by using good hygiene practices.
- Sinks and eyewash stations should be available in the work area.

8.3 Personal Protective Equipment

Note: Consider the concentration and amount of product at the workplace when selecting PPE.

Respiratory: No specific respiratory protection is required. If ventilation is inadequate, use an approved respirator such as a High Efficiency Particulate Air (HEPA) respirator and filter cartridge authorized by regulatory standards.

Eyes/Face: Wear chemical safety goggles approved by appropriate regulatory standards.

Hands/Skin: Wear chemical resistant gloves (neoprene). If necessary, refer to appropriate regulatory standards.

Body: Wear protective clothing. If necessary, refer to appropriate regulatory standards.

Thermal Hazards: None known.

Environmental Exposure Controls: Not available.

Section 9 – Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Note: The data below are typical values and do not constitute a specification.

Appearance: Physical state: Colour: Odour/Odour threshold:	Viscous oily resin Dark brown Slightly pungent odour, no threshold available	Partition Coefficient n-octanol/water: Auto-ignition temperature:	No data available None, product is not combustible
pH (as supplied):	No data available	Decomposition temperature:	No data available
Melting/freezing point:	Decomposes	Dynamic viscosity:	No data available
Boiling point/range:	>93.3°C decomposes	Molecular weight:	No data available
Flash point:	None, not combustible	Taste:	No data available
Evaporation rate:	No data available	Explosive properties:	No data available
Flammability:	No data available	Oxidizing properties:	No data available
Upper/lower explosive limits:	No data available	Surface tension:	No data available
Vapor pressure:	Not established	Volatile component:	No data available
Water solubility:	Infinite	Gas group:	No data available
Vapor density (Air = 1):	No data available	pH (as solution):	No data available
Specific gravity (Water = 1):	1.3	VOC:	0.0 g/L (excluding water)
Relative density:	No data available	Particle size range:	No data available

9.2 Other information

No further data available.

Section 10 – Stability and Reactivity

10.1 Reactivity

- Reacts with oxidizing agents.

10.2 Chemical stability

- This material is considered stable under normal handling and storage conditions.

10.3 Possibility of hazardous reactions

- Not expected to occur under normal handling and storage conditions.

10.4 Conditions to avoid

- Exposure to heat and light.

10.5 Incompatible materials

- Strong oxidizing agents.
- Strong alkalis.

10.6 Hazardous decomposition products

- Hazardous decomposition products including but not limited to carbon monoxide, carbon dioxide, and nitrogen oxides may be released under fire conditions.

Section 11 – Toxicological Information

Likely routes of exposure: Skin contact.

Potential signs and symptoms: Direct contact with skin or eyes may cause irritation if product is not used as intended.

Acute oral toxicity:	Practically non-toxic based on the polymer composition of the product.
Acute dermal toxicity:	Practically nontoxic based on the polymer composition of the product.
Acute inhalation toxicity:	Insufficient and/or no data identified for the components in this product.
Skin corrosion/irritation:	4-Diazodiphenylamine / formaldehyde condensate hydrogen phosphate complex (P-diazoldiphenylamine polymer) (CAS No. 71550-45-3) and phosphoric acid (CAS No. 7664-38-2) may cause skin irritation based on animal studies and human data. Symptoms include redness, heat, swelling, and pain. The other component of this product is not a skin irritant.
Serious eye damage/irritation:	4-Diazodiphenylamine / formaldehyde condensate hydrogen phosphate complex (P-diazoldiphenylamine polymer) (CAS No. 71550-45-3) and phosphoric acid (CAS No. 7664-38-2) may cause eye irritation based on animal studies and human data. Symptoms include red or pink eyes, burning, light sensitivity, itchiness and pain. The other component of this product is not a skin irritant.
Respiratory or skin sensitization:	The components in this product are not sensitizing to the skin based on human and/or animal studies.
Mutagenicity:	The components in the product are not mutagenic based on animal studies or no data identified for the components in this product.
Carcinogenicity:	The components in the product are not carcinogenic based on animal studies or no data identified for the components in this product.
Reproductive Toxicity:	The components in the product are not reproductive toxicants based on animal studies or no data identified for the components in this product.
Specific target organ toxicity (single exposure):	The components in the product are not specific target organ toxicity (single exposure) toxicants based on animal studies or no data identified for the components in this product.
Specific target organ toxicity (repeated exposure):	The components in the product are not specific target organ toxicity (repeated exposure) toxicants based on animal studies or no data identified for the components in this product.
Aspiration hazard:	The components in the product are not aspiration hazards based on animal studies or no data identified for the components in this product.

References:

ECHA. 2020. REACH Registered Substances Database.

Section 12 – Ecological Information

12.1 Toxicity

- This product is not expected to be harmful or toxic to aquatic life. See ecotoxicity data below.

Chemical Name	CAS No.	Species	Test Results (mg/L)
Phosphoric acid	7664-38-2	Freshwater algae	72-hour EC50 = 100
		Freshwater algae	72-hour NOEC = 100
		Activated sludge	3-hour EC50= 1000 mg/L

12.2 Persistence and degradability

- Phosphoric acid (CAS No. 7664-38-2) biodegradation in water: ready biodegradability.
- No data available for other components of the product.

12.3 Bioaccumulative potential

- Phosphoric acid (CAS No. 7664-38-2) has bioaccumulative potential in fish.
- No data available for other components of the product.

12.4 Mobility in Soil

- No data available.

12.5 Results of PBT and vPvB assessment

- No data available.

12.6 Other adverse effects

- No further data available.

References:

ECHA. 2020. REACH Registered Substances Database.

Section 13 – Disposal Considerations

13.1 Waste treatment methods

Preparing wastes for disposal: Use product for its intended purpose or recycle if possible. Waste should not be disposed of by release to sewers. Dispose of waste in accordance with local, regional, national, and/or international regulations.

Section 14 – Transport Information

Note: This product is not regulated as dangerous goods for transport.

	ADR/RID/ADNR/DOT	IMO/IMDG	ICAO/IATA
14.1 UN number	Not classified	Not classified	Not classified
14.2 UN proper shipping name	Not classified	Not classified	Not classified
14.3 Transport hazard class(es):	Not classified	Not classified	Not classified
14.4 Packing group	Not classified	Not classified	Not classified
14.5 Environmental hazards	None	None	None
14.6 Special precautions for user	None	None	None
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable	Not applicable	Not applicable

Section 15 – Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

European Union

Seveso Directive (2012/18/EU): No components in this product are listed.

Regulation (EC) No. 1005/2009, Annex I and II: No components in this product are listed.

Regulation (EC) No. 689/2008, Annex I, Parts I-III: No components in this product are listed.

Regulation (EC) No. 850/2004, Annex I: No components in this product are listed.

Directive 2004/42/EC: This product complies with the maximum VOC content limit values for paints and varnishes.

International:

IARC: No components of this product are classified with respect to carcinogenicity.

15.2 Chemical Safety Assessment

- None available for the components in this product.

Section 16 – Other Information

List of acronyms and abbreviations:

ACGIH: American Conference of Governmental Industrial Hygienists	IMO: International Maritime Organization
ADR: International Carriage of Dangerous Goods by Road	MARPOL: Maritime Pollution
ADNR: Regulation for the carriage of dangerous substances on the Rhine	mg/L: Milligrams per Litre
CAS: Chemical Abstract Service Number	NIH: National Institutes of Health
CLP: Classification, Labelling and Packaging Regulation (EC) No 1272/2008	NTP: National Toxicology Program
EC: European Commission	OSHA: Occupational Safety and Health Administration
ECHA: European Chemicals Agency	PBT: Persistent, Bioaccumulative and Toxic
EINECS: European Inventory of Existing Chemical Substances	PPE: Personal Protective Equipment
EPCRA: Emergency Planning and Community Right To Know Act	
GHS: Global Harmonized System	REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
HEPA: High Efficiency Particulate Air	RID: International rule for transport of dangerous
IBC: International Bulk Chemical	SDS: Safety Data Sheet
IARC: International Agency for Research on Cancer	STEL: Short-term Exposure Limit
IATA: International Air Transport Association	TWA: Time Weighted Average (8-hour)
ICAO: International Civil Aviation Organization	UN: United Nations
IDLH: Immediately Dangerous to Life or Health	vPvB: very Persistent, very Bioaccumulative
IMDG: International Maritime Dangerous Goods	

References:

- European Chemicals Agency (ECHA) Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).
- European Chemicals Agency Classification and Labelling Inventory Database.

Disclaimer:

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Revision Indicator: This is a new Safety Data Sheet.

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