

Speedball Fabric Block Printing Ink

SAFETY DATA SHEET (SDS)

Version: 01

Date of Issue: November 15, 2021

According to: OSHA Hazard Communication Standard
29 CFR 1910.1200(g) Rev. 2012

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

1.1 Product identifier

Product Name: Speedball Fabric Block Printing Ink (Black, Red, Blue, White, Green, Yellow, Brown, Orange, Violet, Turquoise, Magenta, Metallic Gold, Metallic Silver, Opaque White, Transparent Extender)
Product sizes: 37 ml (1.25 fl oz), 75 ml (2.5 fl oz), 146 ml (5 fl oz)
Other Means of Identification: None known
Product Description: Coloured liquid ink formulations intended for arts and crafts purposes.

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

Relevant identified use(s): The product is intended for general (adults) arts and crafts purposes.

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: Dharma Trading Co
1805 S McDowell Blvd Ext
Petaluma, CA 94954
Business Phone: 707-283-0390
Email: service@dharmatrading.com

1.4 Emergency telephone number

Emergency Telephone: Contact the local poison control centre.

Section 2 – Hazard(s) Identification

2.1. Classification of the substance or mixture

According to: UN Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

Health	Environmental	Physical
Not classified	Not classified	Not classified

2.2. Label elements

2.2. Label elements

Label Pictogram: None
Signal Word: None
Hazard Statement: None
Precautionary Statement: None
Supplemental Hazard Information: None

2.3. Other hazards

- No other hazards have been identified for this product

Section 3 – Composition / Information on Ingredients

Chemical Name	CAS No.	EC No.	% Concentration
2-Butoxyethanol	111-76-2	203-905-0	up to 6.93
Propylidynetrimethanol	77-99-6	201-074-9	up to 0.40
2-Ethylhexanoic acid, zirconium salt	22464-99-9	245-018-1	up to 0.23
Isopropyl alcohol	67-63-0	200-661-7	up to 2.13
Talc ^a	14807-96-6	238-877-9	up to 2.16

^a Assessment of the product, was based on the assumption that the talc used in the product contains <0.1% asbestos fibers. If this is not the case, reassessment of the product is required.

The other ingredients in the product are either considered non-hazardous or are below their respective GHS cut-off values/concentration limits in the final product and were therefore not disclosed in the SDS.

It should be noted that the product may contain crystalline silica (particles of respirable size) (CAS No.14808-60-7), carbon black (CAS No. 1333-86-4) and/or titanium dioxide (CAS No. 13463-67-7) which may be hazardous when inhaled. Given the nature and physical form of the product (*i.e.*, liquid ink) airborne respirable particles would not likely be released from the product and therefore the hazards is not relevant to the product.

Section 4 – First Aid Measures

4.1 Description of first aid measures

Eye contact: No specific first aid measures are required. As a precaution, remove contact lenses, if worn, and immediately flush eyes with water. Seek medical attention if in doubt.

Skin contact: No specific first aid measures are required. If irritation occurs, wash with plenty of water and soap. Take off contaminated clothing. If skin irritation persists: Get medical advice/attention.

Inhalation: No specific first aid measures are required. 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

- 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:
- Also see **Section 10** - Stability and Reactivity.

5.3 Advice for firefighters

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

Section 6 – Accidental Release Measures

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

Personal Precautions: Ventilate area if spilled in confined space or other poorly ventilated areas. 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. Prevent further leakage or spillage if it is safe to do so.

6.3 Methods and material for containment and cleaning up

Containment/Clean-up Measures: Contain spill if safe to do so. Collect recoverable product and place in a designated container for recycle and/or disposal. Ventilate contaminated area thoroughly. Dispose of contents/container 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.
- Wash contaminated clothing before reuse.
- Employees should be trained in the safe use and handling of chemical materials.
- 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.

7.3 Specific end use(s)

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

Section 8– Exposure Controls / Personal Protection

8.1 Control Parameters:

Occupational exposure limits: Only vapours were considered to be foreseeable under conditions of normal use. Airborne particles, such as dust, are not foreseeable under conditions of normal use.

Chemical Name	CAS No.	ACGIH TLV TWA	OSHA PEL TWA	NIOSH REL TWA	DFG MAK
2-Butoxyethanol	111-76-2	97 mg/m ³	240 mg/m ³	24 mg/m ³	49 mg/m ³
Titanium dioxide	13463-67-7	10 mg/m ³	15 mg/m ³	-	0.3 mg/m ³
Isopropyl alcohol	67-63-0	492 mg/m ³	980 mg/m ³	980 mg/m ³	500 mg/m ³
Talc	14807-96-6	2 mg/m ³	2 mg/m ³	2 mg/m ³ and <1% quartz	-
Quartz	14808-60-7	0.025 mg/m ³	0.05 mg/m ³	0.05 mg/m ³	-

8.2 Exposure Controls:

Appropriate engineering controls

- No special requirements under ordinary conditions of use and with adequate ventilation. Mechanical ventilation or local exhaust ventilation may be required.

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: If splash/spray is likely, wear chemical safety goggles approved by appropriate regulatory standards.

Hands/Skin: If skin contact is likely, wear chemical resistant gloves. If necessary, refer to appropriate regulatory standards.

Body: If body contact is likely, wear protective clothing. If necessary, refer to appropriate regulatory standards.

Thermal Hazards: None known.

Environmental Exposure Controls: Not available.

Hygiene measures: Observe good industrial hygiene practices. When using the product do not eat, drink or smoke.

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: Color: Odor/Odor threshold:	Liquid See Section 1.1 Not available	Partition Coefficient n-octanol/water: Auto-ignition temperature:	Not available Not available
pH (as supplied):	7-8	Decomposition temperature:	Not available
Melting/freezing point:	Not available	Dynamic viscosity:	Not available
Boiling point/range:	Not available	Molecular weight:	Not available
Flash point:	Not available	Taste:	Not available
Evaporation rate:	Not available	Explosive properties:	Not available
Flammability:	Not available	Oxidizing properties:	Not available
Upper/lower explosive limits:	Not available	Surface tension:	Not available
Vapor pressure:	Not available	Volatile component:	Not available
Water solubility:	Not available	Gas group:	Not available
Vapor density (Air = 1):	Not available	pH (as solution):	Not available
Specific gravity (Water = 1):	1.04 – 1.44	VOC:	Not available
Relative density:	Not available	Particle size range:	Not available

9.2 Other information

No further data available.

Section 10 – Stability and Reactivity

10.1 Reactivity

- This material is not considered to be reactive under normal handling and storage conditions.

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 high temperatures
- Strong acids
- Strong bases
- Strong oxidisers

10.5 Incompatible materials

- Strong acids
- Strong bases
- Strong oxidisers

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: None expected under conditions of normal use.

Acute oral toxicity:	The product is practically non-toxic based on available animal and human use data. ATE >2000 mg/kg
Acute dermal toxicity:	The product is practically non-toxic based on available animal and human use data. ATE >2000 mg/kg
Acute inhalation toxicity:	The product is practically nontoxic based on available animal and human use data.
Skin corrosion/irritation:	2-Butoxyethanol (CAS No. 111-76-2) has been classified for skin irritation. The other components >1% of this product are not skin irritants based on human and/or animal studies.
Serious eye damage/irritation:	2-Butoxyethanol (CAS No. 111-76-2) and isopropyl alcohol (CAS No. 67-63-0) have been classified for eye irritation. The other components of this product >1% are not eye irritants based on human and/or animal studies.
Respiratory or skin sensitization:	The components in this product >0.1% are not sensitizing to the skin based on human and/or animal studies.
Mutagenicity:	The components in the product >0.1% are not mutagenic based on animal studies or no data identified for the components in this product.
Carcinogenicity:	The components in the product >0.1% are not carcinogenic based on animal studies or no data identified for the components in this product.
Reproductive Toxicity:	Propylidynetrimethanol (CAS No. 77-99-6) and 2-ethylhexanoic acid, zirconium salt (CAS No. 22464-99-9) are classified for reproductive toxicity. Product classification is not warranted based on the concentration of propylidynetrimethanol and 2-ethylhexanoic acid, zirconium salt present in the final product. The other components in the product >0.1% are not reproductive toxicants based on animal studies or no data identified for the components in this product.
Specific target organ toxicity (single exposure):	Isopropyl alcohol (CAS No. 67-63-0) has been classified for narcotic effects; however, product classification is not warranted based on the concentration present in the product. The other components in the product >1% 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 >1% 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 >1% are not aspiration hazards based on animal studies or no data identified for the components in this product.

References:

ECHA. 2021. REACH Registered Substances Database.

Section 12 – Ecological Information

12.1 Toxicity

- This product is not expected to be harmful or toxic to aquatic life.

12.2 Persistence and degradability

- No data available for the other components of the product.

12.3 Bioaccumulative potential

- No data available.

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.

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.

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

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**United States****Federal Regulations:**

Comprehensive Environmental Response and Liability Act of 1980 (CERCLA):

Clean Water Act (CWA): No components in this product are listed as toxic pollutants.

Clean Air Act (CAA): Ethylene oxide (CAS No. 75-21-8) and acetaldehyde (CAS No. 75-07-0) are listed by the CAA, each with a threshold quantity of 10,000 lbs. No other components in this product are listed under the CAA.

Superfund Amendments and Reauthorization Act (SARA) Title III Information:

SARA 302 Components: Ammonia (CAS No. 7664-41-7) and formaldehyde (CAS No. 50-00-0) have a reporting quantity of 500 lbs in accordance with S.302. Ethylene oxide (CAS No. 75-21-8) has a reporting quantity of 1,000 lbs in accordance with S.302. No other components in this product are subject to reporting requirements of S.302.

SARA 304 Emergency Release Notification: Disodium phosphate (CAS No. 7558-79-4), phosphoric acid (CAS No. 7664-38-2) and chromium (CAS No. 7440-47-3) have a reporting quantity of 5,000 lbs in accordance with S.304. Styrene (CAS No. 100-42-5), ethylene glycol monoethyl ether (CAS No. 110-80-5), ammonium hydroxide (CAS No. 1336-21-6), and acetaldehyde (CAS No. 75-07-0) have a reporting quantity of 1,000 lbs in accordance with S.304. 1,4-dioxane 123-91-1, ammonia (CAS No. 7664-41-7), formaldehyde (CAS No. 50-00-0), 2 methoxyaniline [listed as o-anisidine] (CAS No. 90-04-0) and nickel (CAS No. 7440-02-0) have a reporting quantity of 100 lbs in accordance with S.304. Cadmium (CAS No. 7440-43-9), ethylene oxide (CAS No. 75-21-8), hexachlorobenzene (CAS No. 118-74-1), lead (CAS No. 7439-92-1) and beryllium (CAS No. 7440-41-7) have a reporting quantity of 10 lbs in accordance with S.304. Arsenic (CAS No. 7440-38-2), mercury (CAS No. 7439-97-6) and 3,3'-dichlorobenzidine (CAS No. 91-94-1) have a reporting quantity of 10 lbs in accordance with S.304. No other components in this product are subject to reporting requirements of S.304.

SARA 311/312 Hazards: None.

SARA 313 Components: Isopropyl alcohol (CAS No. 67-63-0), styrene (CAS No. 100-42-5), 1,4-dioxane (CAS No. 123-91-1), ethylene glycol monomethyl ether (CAS No. 109-86-4), ethylene glycol monoethyl ether (CAS No. 110-80-5), ammonium hydroxide (CAS No. 1336-21-6), 1,2,4 trimethylbenzene (CAS No. 95-63-6), formaldehyde (CAS No. 50-00-0), arsenic (CAS No. 7440-38-2), cadmium (CAS No. 7440-43-9), ethylene oxide (CAS No. 75-21-8), mercury (CAS No. 7439-97-6), 2 methoxyaniline [listed as o-anisidine] (CAS No. 90-04-0), hexachlorobenzene (CAS No. 118-74-1), acetaldehyde (CAS No. 75-07-0), 3,3'-dichlorobenzidine 91-94-1, lead 7439-92-1, beryllium 7440-41-7, nickel (CAS No. 7440-02-0), chromium (CAS No. 7440-47-3), aluminium oxide (CAS No. 1344-28-1) and aluminium, powder (stabilized) (CAS No. 7429-90-5) are subject to reporting requirements of S.313. No other components in this product are subject to reporting requirements of S.313.

Toxic Substances Control Act (TSCA): Cellulose, hexadecyl 2-hydroxyethyl ether (CAS No. 80455-45-4), zeolite (CAS No. 1318-02-1), silica colloidal (CAS No. 112926-00-8), silicic acid, aluminum sodium salt sulfurized (Ultramarine Blue) (CAS No. 101357-30-6), 2-methylamino-2-methyl-1-propanol (CAS No. 27646-80-6), nepheline syenite - Minex 7 (Nepheline Syenite – various grades) (CAS No. 37244-96-5), methanol, (1H,3H,5H-oxazol[3,4-c]oxazol-7a(7H)-ylmethoxy)- (CAS No. 59720-42-2) and acrylic acid (CAS No. 79-41-7) are not listed on the non-confidential TSCA inventory. All other components are listed on the non-confidential TSCA inventory or are exempt.

State Regulations:

California Candidate Chemicals List: 2-Butoxyethanol (CAS No. 111-76-2), aluminium, powder (stabilized) (CAS No. 7429-90-5), butanone oxime (Skino® #2) (CAS No. 96-29-7), carbon black (CAS No. 1333-86-4), isopropyl alcohol (CAS No. 67-63-0), lead (CAS No. 7439-92-1), naphtha (petroleum), hydrotreated, heavy (CAS No. 64742-48-9), propylidynetrimethanol (CAS No. 77-99-6) and titanium dioxide (CAS No. 13463-67-7) are listed on California's Candidate Chemicals List.

California Proposition 65 List: Styrene (CAS No. 100-42-5), 1,4-dioxane (CAS No. 123-91-1), ethylene glycol monomethyl ether (CAS No. 109-86-4), ethylene glycol monoethyl ether (CAS No. 110-80-5), 1,2,4 trimethylbenzene (CAS No. 95-63-6), formaldehyde (CAS No. 50-00-0), arsenic (CAS No. 7440-38-2), cadmium (CAS No. 7440-43-9), ethylene oxide (CAS No. 75-21-8), mercury (CAS No. 7439-97-6), 2 methoxyaniline [listed as o-anisidine] (CAS No. 90-04-0), hexachlorobenzene (CAS No. 118-74-1), acetaldehyde (CAS No. 75-07-0), 3,3'-dichlorobenzidine (CAS No. 91-94-1), lead (CAS No. 7439-92-1), beryllium (CAS No. 7440-41-7), nickel (CAS No. 7440-02-0), and chromium (CAS No. 7440-47-3) are listed on the Proposition 65 List. A screening assessment indicates that the trace levels of these constituents are not expected to be a cause for concern or require warnings as per California Proposition 65. Talc (CAS No. 14807-96-6) is listed on the Proposition 65 List; however, given the assumption that the talc used in the product contains <0.1% asbestos fibers and the concentration of talc present in the product, labelling requirements of Proposition 65 do not apply. Titanium dioxide (CAS No. 13463-67-7), carbon black (CAS No. 1333-86-4) and crystalline

silica (particles of respirable size) (CAS No. 14808-60-7) are listed on the Proposition 65 List; however, given the nature and physical form of the product (*i.e.*, liquid ink), airborne respirable particles would not likely be released from the product and therefore the listed forms of titanium dioxide, carbon black, and crystalline silica are not relevant for the product. No other components in this product are listed on the Proposition 65 List.

Maine List of Chemicals of High Concern: Given the product is not considered to be a toy and is not intended for use by children, the List of Chemicals of High Concern is not applicable to the product.

Massachusetts Toxic or Hazardous Substance List: Cadmium (CAS No. 7440-43-9), chromium (CAS No. 7440-47-3), and formaldehyde (CAS No. 50-00-0), are listed on the Toxic or Hazardous Substance List. No other components in this product are listed on the Toxic or Hazardous Substance List.

Minnesota Chemicals of Concern List: Formaldehyde (CAS No. 50-00-0), cadmium (CAS No. 7440-43-9) and lead (CAS No. 7439-92-1) are listed on the Toxic or Hazardous Substance List as priority chemicals.

New Jersey Right to Know Hazardous Substance List: 2-Butoxyethanol (CAS No. 111-76-2), aluminum oxide (CAS No. 1344-28-1), aluminium, powder (stabilized) (CAS No. 7429-90-5), ammonium hydroxide (CAS No. 1336-21-6), carbon black (CAS No. 1333-86-4), isopropyl alcohol (CAS No. 67-63-0), magnesium carbonate (CAS No. 546-93-0), mica (CAS No. 12001-26-2), talc (CAS No. 14807-96-6), and titanium dioxide (CAS No. 13463-67-7) are listed on the Right to Know Hazardous Substance List. No other components in this product are listed on the Right to Know Hazardous Substance List.

Pennsylvania Hazardous Substance List: 2-Butoxyethanol (CAS No. 111-76-2), aluminum oxide (CAS No. 1344-28-1), aluminium, powder (stabilized) (CAS No. 7429-90-5), ammonium hydroxide (CAS No. 1336-21-6), carbon black (CAS No. 1333-86-4), isopropyl alcohol (CAS No. 67-63-0), mica (CAS No. 12001-26-2), talc (CAS No. 14807-96-6), and titanium dioxide (CAS No. 13463-67-7) are listed on the Hazardous Substance List. No other components in this product are listed on the Hazardous Substance List.

Vermont Chemicals of High Concern To Children: Given the product is not considered to be a toy and is not intended for use by children, the Chemicals of High Concern To Children list is not applicable to the product.

Washington Chemicals of High Concern To Children: Given the product is not considered to be a toy and is not intended for use by children, the Chemicals of High Concern To Children list is not applicable to the product.

International:

IARC: Crystalline silica (particles of respirable size) (CAS No. 14808-60-7), is listed as Group 1, carcinogenic to humans. Carbon black (CAS No. 1333-86-4) and titanium dioxide (CAS No. 13463-67-7) are listed as Group 2B, possibly carcinogenic to humans. Product classification is not warranted based on the nature of the product.

Formaldehyde (CAS No. 50-00-0), arsenic (CAS No. 7440-38-2), beryllium (CAS No. 7440-41-7), cadmium (CAS No. 7440-43-9), chromium (CAS No. 7440-47-3), talc (CAS No. 14807-96-6) and ethylene oxide (CAS No. 75-21-8) are listed as Group 1, carcinogenic to humans. Styrene (CAS No. 100-42-5) and 2-methoxyaniline [listed as *o*-anisidine] (CAS No. 90-04-0) are listed as Group 2A, probably carcinogenic to humans. Hexachlorobenzene (CAS No. 118-74-1), 1,4-dioxane (CAS No. 123-91-1), calcium bis(2-ethylhexanoate) (CAS No. 136-51-6), lead (CAS No. 7439-92-1), nickel (CAS No. 7440-02-0), acetaldehyde (CAS No. 75-07-0), and 3,3'-dichlorobenzidine (CAS No. 91-94-1), are listed as Group 2B, possibly carcinogenic to humans. 2-Butoxyethanol (CAS No. 111-76-2), iron oxide red (CAS No. 1309-37-1), zeolite (CAS No. 1318-02-1), isopropyl alcohol (CAS No. 67-63-0), and mercury (CAS No. 7439-97-6) are classified as Group 3, not classifiable as to its carcinogenicity to humans. Product classification is not warranted based on the concentration present in the product. No other components in this product are classified with respect to carcinogenicity.

15.2 Chemical Safety Assessment

- None available for the components in this product.

Note: The information that was used to confirm the compliance status of this product may deviate from the chemical information shown in **Section 3**.

Section 16 – Other Information

List of acronyms and abbreviations:

ACGIH: American conference of Governmental Hygienists	NIOSH: National Institute for Occupational Safety & Health
ATE: Acute Toxicity Estimate	OSHA: Occupational Safety and Health Administration
CAA: Clean Air Act	PBT: Persistent, Bioaccumulative and Toxic
CAS: Chemical Abstract Service Number	PEL: Permissible Exposure Level
CERCLA: Comprehensive Environmental Response and Liability Act	PPE: Personal Protective Equipment
CWA: Clean Water Act	REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
DFG MAK: Deutsche Forschungsgemeinschaft Maximale Arbeitsplatz-Konzentration	REL: Recommended exposure level
EC: European Commission	SARA: Superfund Amendment and Reauthorization Act
ECHA: European Chemicals Agency	SDS: Safety Data Sheet
GHS: Global Harmonized System	TLV: Threshold limit value
HEPA: High Efficiency Particulate Air	TSCA: Toxic Substances Control Act
IARC: International Agency for Research on Cancer	TWA: Time-weighted average
IBC: International Bulk Chemical	UN: United Nations
MARPOL: Maritime Pollution	vPvB: very Persistent, very Bioaccumulative

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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