

SAFETY DATA SHEET

SECTION 1 : IDENTIFICATION

Product identifier used on the label:

Product Name: Blue Oxide Sample Colorant SPR BO
Product Code: 81780
SDS Manufacturer Number: 81780

Other means of identification:

Recommended use of the chemical and restrictions on use:

Product Use/Restriction: Primary product use: Coloring agent

Chemical manufacturer address and telephone number:

Manufacturer Name: Sto Corp.
Address: 6175 Riverside Drive, SW
 Atlanta, Georgia 30331
General Phone Number: (404) 346-3666

Emergency phone number:

Emergency Phone Number: (800) 424-9300

SECTION 2 : HAZARD(S) IDENTIFICATION

Classification of the chemical in accordance with CFR 1910.1200(d)(f):

Signal Word: Not applicable.
GHS Class: Not classified as hazardous according to OSHA Hazard Communication Standard, 29 CFR 1910.1200..
Hazard Statements: Not applicable.
Precautionary Statements: Not applicable.

Hazards not otherwise classified that have been identified during the classification process:

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures:

Chemical Name	CAS#	Ingredient Percent	EC Num.
Proprietary Ingredient		1 - 3 %	
Ethoxylated Oleyl Alcohol	9004-98-2	6 - 8 %	"500-016-2"
Propylene Glycol	57-55-6	15 - 25 %	"200-338-0"

SECTION 4 : FIRST AID MEASURES

Description of necessary measures:

Eye Contact: Immediately flush eyes with plenty of water for 15 to 20 minutes. Get medical attention, if irritation or symptoms of overexposure persists.
Skin Contact: Immediately wash skin with plenty of soap and water for 15 to 20 minutes, while removing contaminated clothing and shoes. Get medical attention if irritation develops or persists.
Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.
Ingestion: If swallowed, do NOT induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

Most important symptoms/effects, acute and delayed:

Other First Aid: Most important symptoms and effects, both acute and delayed: The possible symptoms known are those derived from the labelling (see section 2).

Get medical advice/attention if you feel unwell..

Indication of immediate medical attention and special treatment needed:

Note to Physicians: Treat symptomatically.

SECTION 5 : FIRE FIGHTING MEASURES

Suitable and unsuitable extinguishing media:

Suitable Extinguishing Media: Water spray jet, dry powder, carbon dioxide (CO₂), and alcohol resistant foam

Unsuitable extinguishing media: Most important symptoms and effects, both acute and delayed.

Specific hazards arising from the chemical:

Hazardous Combustion Byproducts: Hazardous combustion gases include: Carbon monoxide (CO)carbon dioxide (CO), nitrogen oxides (N), noxious and toxic fumes.

Unusual Fire Hazards: Emits toxic fumes under fire conditions.

Special protective equipment and precautions for fire-fighters:

Protective Equipment: As in any fire, wear Self-Contained Breathing Apparatus (SCBA), MSHA/NIOSH (approved or equivalent) and full protective gear.

Fire Fighting Instructions: Exercise caution when fighting any chemical fire..

SECTION 6 : ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Personal Precautions: Use proper personal protective equipment as listed in Section 8.

Environmental precautions:

Environmental Precautions: Treat recovered material as described in the section Disposal considerations. The product should not be allowed to enter drains, water courses or the soil.

Methods and materials for containment and cleaning up:

Methods for containment: Contain spill. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

Methods for cleanup: Small spills may be flushed to the sewer or absorbed on suitable absorbants. Larger spills should be collected as liquid or absorbed. Clean-up may be accomplished by flushing with water if appropriate or remove contaminated soils. place in appropriate containers.

SECTION 7 : HANDLING and STORAGE

Precautions for safe handling:

Handling: Advice on safe handling:
Use personal protective equipment.
Avoid breathing vapors.
Avoid contact with skin, eyes and clothing.
Wash thoroughly after handling.
Store in a dry place.
Keep away from heat.
Store in original container.
Keep container tightly closed.

Hygiene Practices: Wash hands before breaks and at the end of workday.
Use protective skin cream before handling the product.
Take off immediately all contaminated clothing and wash it before reuse.

Conditions for safe storage, including any incompatibilities:

Storage: Keep containers tightly closed in a cool, well-ventilated place.
Handle and open container with care.
Keep away from flames and sparks.

SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

EXPOSURE GUIDELINES:

Appropriate engineering controls:

Engineering Controls: Use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Good general ventilation should be sufficient to control airborne levels. Where such systems are not effective wear suitable personal protective equipment, which performs satisfactorily and meets OSHA or other recognized standards. Consult with local procedures for selection, training, inspection and maintenance of the personal protective equipment.

Individual protection measures:

Eye/Face Protection:	Wear appropriate protective glasses or splash goggles as described by 29 CFR 1910.133, OSHA eye and face protection regulation, or the European standard EN 166.
Skin Protection Description:	Wear appropriate protective gloves and other protective apparel to prevent skin contact. Consult manufacturer's data for permeability data.
Hand Protection Description:	Wear appropriate protective gloves. Consult glove manufacturer's data for permeability data.
Respiratory Protection:	A NIOSH approved air-purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.
Other Protective:	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.
General Hygiene Considerations:	Wash thoroughly after handling. Avoid contact with eyes and skin. Avoid inhaling vapor or mist.

SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES

PHYSICAL AND CHEMICAL PROPERTIES:

Physical State:	Liquid.
Color:	Blue
Odor:	Not significant
Odor Threshold:	Not determined.
Boiling Point:	Approximately 100 °C
Melting Point:	Not applicable.
Density:	Approximately 1.68 g/cm ³
Solubility:	Miscible in water.
Vapor Density:	Not determined.
Vapor Pressure:	Not determined.
Evaporation Rate:	Not determined.
pH:	6 - 10, Concentration: 100 g/l (25 °C)
Molecular Weight:	No data available
Viscosity:	Dynamic Viscosity: 2,000 - 10,000 mPa.s Kinematic Viscosity 1,190 - 5,952 mm ² /s Method.: Calculated
Coefficient of Water/Oil Distribution:	Not applicable.
Flash Point:	Not determined.
Lower Flammable/Explosive Limit:	Not determined.
Upper Flammable/Explosive Limit:	Not applicable.
Auto Ignition Temperature:	Not applicable.
Oxidizing Properties:	No data available

SECTION 10 : STABILITY and REACTIVITY

Reactivity:

Reactivity: No dangerous reaction known under conditions of normal use.

Chemical Stability:

Chemical Stability: Stable.

Possibility of hazardous reactions:

Hazardous Polymerization: Will not occur.

Conditions To Avoid:

Conditions to Avoid: None known.

Incompatible Materials:

Incompatible Materials: No data available for this product.

Hazardous Decomposition Products:

Special Decomposition Products: No decomposition if stored and applied as directed.

Possibility of Hazardous Reactions. No decomposition if stored and applied as directed.

SECTION 11 : TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION:

Proprietary Ingredient :

Acute Toxicity: Dust may cause eye and skin irritation May cause drying of the skin

Ethoxylated Oleyl Alcohol :

Acute Toxicity: May cause severe eye irritation with the risk of serious eye damage. May be harmful if swallowed.

Skin: No data available

Sensitization: No data available

Chronic Effects: No data available

Carcinogenicity: Not listed

Mutagenicity: No information available.

Reproductive Toxicity: No data available

Propylene Glycol :

Skin: Skin Rabbit LD50: > 2,000 mg/kg

Inhalation: Inhalation Rat LC50: > 317 mg/l 2 hr

Ingestion: Oral Rat LD50: 22,000 mg/kg

Sensitization: Respiratory or skin sensitisation:
Test Type: Guinea pig maximization test
Exposure routes: Skin contact
Species: Guinea pig
Method: OECD Test Guideline 406
Result: Does not cause skin sensitisation.
GLP: No information available.

Test Type: Mouse local lymphnode assay
Exposure routes: Skin contact
Species: Mouse
Method: OECD Test Guideline 429
Result: Does not cause skin sensitisation.
GLP: No information available.

Chronic Effects: Repeated dose toxicity
Species: Rat, male and female
NOAEL: 1,700 - 2,100 mg/kg
Application Route: oral (feed)
Exposure time: 2 a
Number of exposures: daily
Dose: 200-2100 mg/kg
Group: Yes
Method: Other
GLP: No

Species: Cat, male
NOAEL: 443 mg/kg
Application Route: oral (feed)
Exposure time: 69 - 94 d
Number of exposures: daily
Dose: 80 - 4239 mg/kg
Group: yes
Method: Other
GLP: No

Species: Rat, male and female
Application Route: Inhalation
Exposure time: 90 d
Number of exposures: 6 hours/day, 5 days/week
Dose: 0,16 - 1,01 - 2,18 mg/l
Group: Yes
Method: Other
GLP: No information available.

Species: Mouse, female
No observed adverse effect level: 0.02
Application Route: Skin contact
Exposure time: Lifespan
Number of exposures: 2x / w
Dose: 10-50-100% / 0.02 ml acetone
Group: yes
Method: Other
GLP: No
Remarks: No pathological findings

Carcinogenicity: Not classifiable as a human carcinogen.

Mutagenicity: No information available.

Reproductive Toxicity: Reproductive toxicity.: Mouse 1820 - 4800 - 10100 mg/kg 126/7/7
NOAEL: 10,100 mg/kg, F1: 10,100 mg/kg, F2: 10,100 mg/kg
Oral: Mouse: 52 - 520 - 10400 mg/kg 6-15 d (OECD 414)

SECTION 12 : ECOLOGICAL INFORMATION

Ecotoxicity:

Ecotoxicity: No data available

Persistence and degradability:

Biodegradation: No data available

Bioaccumulative potential:

Bioaccumulation: No data available

Propylene Glycol :

Ecotoxicity:

Ecotoxicity: No data available

Persistence and degradability:

Biodegradation: Readily biodegradable.

Bioaccumulative potential:

Bioaccumulation: BCF 0.09

Mobility in soil:

Mobility In Environmental Media: log Koc: 0.46

SECTION 13 : DISPOSAL CONSIDERATIONS

Description of waste:

Waste Disposal: Consult with the US EPA Guidelines listed in 40 CFR Part 261.3 for the classifications of hazardous waste prior to disposal. Furthermore, consult with your state and local waste requirements or guidelines, if applicable, to ensure compliance.
Small quantities may be treated in aerobic wastewater treatment systems. Larger quantities may be incinerated or landfilled after solidification in permitted systems
Packaging that cannot be cleaned should be disposed of as product waste

SECTION 14 : TRANSPORT INFORMATION

DOT Shipping Name: Not restricted as a dangerous good.

IATA Shipping Name: Not restricted as a dangerous good.

IMDG Shipping Name : Not restricted as a dangerous good.

SECTION 15 : REGULATORY INFORMATION

Safety, health and environmental regulations specific for the product:

TSCA Inventory Status: Listed

SARA: This product does not contain any toxic chemical listed under Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986.

Section 302 EHS: This material does not contain any components with a CERCLA RQ

CERCLA Section 302: This material does not contain any components with a section 304 EHS RQ

Clean Water Act RQ: Contains no known priority pollutants at concentrations greater than 0.1%

Canada DSL: Listed

Japan METI: Listed

South Korea KECL: Listed

China: Listed

Australia AICS: Listed

Philippines PICCS: Listed

New Zealand: Listed

Ethoxylated Oleyl Alcohol :

EC Number: "500-016-2"

Propylene Glycol :

EC Number: "200-338-0"

SECTION 16 : ADDITIONAL INFORMATION

HMIS Ratings:

SDS Creation Date: April 29, 2015

SDS Revision Date: March 04, 2016

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