Sto Extended Red Oxide Colorant ERO

Safety Data Sheet

According To The United Nations Ghs (Rev. 6, 2015)

Date of Issue: 4/1/2022 Version: 1.1

SECTION 1: IDENTIFICATION

1.1. GHS Product Identifier

Product Form: Mixture

Product Name: Sto Extended Red Oxide Colorant ERO

Product Code: 81188

1.2. Recommended Use Of The Chemical And Restrictions On Use

Use Of The Substance/Mixture: Colorant Preparation

1.3. Supplier's Details

Company

Sto Corp.
6175 Riverside Drive SW
Atlanta, GA 30331
(800)221-2397
www.stocorp.com

1.4. Emergency Phone Number

Emergency Number : 800-424-9300 CHEMTREC

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture

GHS UN classification

Skin Sensitization 1 H317

Full text of hazard classes and H-statements : see section 16

2.2. GHS Label Elements, Including Precautionary Statements

GHS UN labeling

Hazard Pictograms (GHS-UN) :

GH315

Signal Word (GHS-UN) : Warning

Hazard Statements (GHS-UN) : H317 – May cause an allergic skin reaction

Precautionary Statements (GHS-UN) : P202 - Do not handle until all safety precautions have been read and understood.
P261 - Avoid breathing mist, spray, vapors.
P272 - Contaminated work clothing should not be allowed out of the workplace.
P280 - Wear protective gloves, protective clothing, and eye protection.
P302+P352 - IF ON SKIN: Wash with plenty of water.
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P363 - Wash contaminated clothing before reuse.
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards which do not result in classification

None known.

2.4. Unknown Acute Toxicity (GHS-UN)

No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances: Mixture

3.2. Mixtures/Components Actual concentration is withheld as a trade secret.

Name	Product Identifier	% by weight
Dolomite	(CAS-No.) 16389-88-1	30<50
Iron (III) oxide	(CAS-No.) 1309-37-1	10<20
2-Methylisothiazolin-3-one	(CAS-No.) 2682-20-4	>=0.0015-<0.1

SECTION 4: FIRST AID MEASURES

4.1. Description of Necessary First-Aid Measures

General: If you feel unwell, seek medical advice (show the label where possible). Never give anything by mouth to an unconscious person

Inhalation: Move the victim to fresh air. Give oxygen or artificial respiration if needed. Obtain medical advice/attention

Skin Contact: Wash affected area with water for at least 15 minutes. Obtain medical attention if irritation occurs.

Eye Contact: Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for at least 15 minutes. Obtain medical attention if eye irritation occurs or persists.

Ingestion: Give the victim plenty of water to drink if conscious. Obtain medical attention.

4.2. Most Important Symptoms/Effects, Acute and Delayed

General: May cause an allergic skin reaction.

Inhalation: Prolonged exposure may cause irritation.

Skin Contact: May cause an allergic skin reaction.

Eye Contact: May cause irritation to eyes.

Ingestion: Ingestion may cause adverse effects.

Chronic Symptoms: None known.

4.3. Indication of Immediate Medical Attention and Special Treatment Needed, If Necessary

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand. Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media: Water spray, fog, carbon dioxide (CO_2), alcohol-resistant foam, or dry chemical.

Unsuitable Extinguishing Media: Do not use a heavy water stream. Use of heavy stream of water may spread fire.

5.2. Specific Hazards Arising From the Chemical

Fire Hazard: Not considered flammable but may burn at high temperatures.

Explosion Hazard: Not considered an explosion hazard

Reactivity: In case of fire hazardous decomposition products may be produced such as carbon oxides and nitrogen oxides (NOx)

5.3. Special Protective Actions for Fire-Fighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire.

Firefighting Instructions: None

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection (Self-contained breathing apparatus).

Other Information:. Do not allow run-off from firefighting to enter drains or water courses.

Hazardous Combustion Products: Carbon oxides (CO, CO_2). Nitrogen oxides. Hydrogen chloride.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Do not breathe vapor, mist or spray. Do not get in eyes, on skin, or on clothing. Do not handle until all safety precautions have been read and understood.

6.1.1. For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protective equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

6.1.2. For Emergency Responders

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit. Ventilate area.

6.2. Personal Precautions, Protective Equipment and Emergency Procedures

Prevent entry to sewers and public waters. Avoid release to the environment.

6.3. Methods and Materials for Containment and Cleaning Up

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for Cleaning Up: Clean up spills immediately and dispose of waste safely. Material may be soaked up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust) Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

6.4. Reference to Other Sections

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Additional Hazards When Processed: None.

Precautions for Safe Handling: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not handle until all safety precautions have been read and understood. Avoid breathing dust. Avoid contact with eyes, skin and clothing.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Comply with applicable regulations.

Storage Conditions: Keep container closed when not in use. Store in a dry, cool place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials. Store in a secure area.

Incompatible Materials: None known.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

Dolomite (16389-88-1)		
USA NIOSH	REL TWA (respirable)	5 mg/m³ (calcium carbonate)
USA NIOSH	REL TWA (total)	10 mg/m³ (calcium carbonate)
Iron (III) oxide (1309-37-1)		
USA ACGIH	ACGIH TWA (mg/m³ respirable)	5 mg/m³
USA NIOSH	REL TWA (dust fume)	5 mg/m³ (iron)
USA OSHA	TWA fumes (mg/m³)	10 mg/m³
USA OSHA	TWA total dust (mg/m³)	15 mg/m³
USA OSHA	TWA (respirable) (mg/m³)	5 mg/m³

Substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), AIHA (WEEL), Exposure Controls

Appropriate Engineering Controls: : Suitable eye/bodywash equipment should be available in the vicinity of any Potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed

8.2 Individual Protection Measures, Such as Personal Protective Equipment (PPE)

Personal Protective Equipment : Gloves. Protective clothing. Safety glasses or Protective goggles.

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Materials for Protective Clothing : Chemically resistant materials and fabrics.

Hand Protection : Wear protective gloves (Butyl rubber, PVC, or Neoprene are advised)

Eye and Face Protection : Chemical safety glasses or goggles

Skin and Body Protection : Wear suitable protective clothing

Respiratory Protection : If exposure limits are exceeded or irritation is experienced, approved respiratory Protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection

Other Information : When using, do not eat, drink or smoke

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

Appearance : Liquid (red colored)

Odor : Slight

Odor Threshold : No data available

pH : 6.0-10.0

Evaporation Rate	: No data available
Melting Point	: 32 Fahrenheit (approximate)
Freezing Point	: No data available
Boiling Point	: No data available
Flash Point	: >212 Fahrenheit
Auto-ignition Temperature	: No data available
Decomposition Temperature	: No data available
Flammability (solid, gas)	: Flammable
Vapor Pressure	: No data available
Relative Vapor Density at 20°C	: No data available
Relative Density	: 2.0g/cm3
Specific Gravity	: No data available
Solubility	: Not determined
Partition Coefficient: N-Octanol/Water	: No data available
Viscosity	: 2000-10000 mPa.s (73 Fahrenheit)

9.2. Other Information No additional information available

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity: Not expected under conditions of normal use.

10.2. Chemical Stability: Stable under recommended handling and storage conditions (see section 7).

10.3. Possibility of Hazardous Reactions: Hazardous polymerization will not occur.

10.4. Conditions to Avoid: Heat, flames, ignition sources and freezing temperatures.

10.5. Incompatible Materials: No data available.

10.6. Hazardous Decomposition Products: Not expected under conditions of normal use. In case of fire: Thermal decomposition generates: Carbon oxides (CO, CO_2) and Nitrogen oxides.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on Toxicological Effects

Acute Toxicity (Dermal): Not classified

Acute Toxicity (Inhalation) : Not classified

Acute Toxicity (Oral):

Iron (III) oxide	
LD50 Oral Rat	> 10000 mg/kg
LC50 Inhalation Rat	> 0.21 mg/l exposure 14d
LD50 Dermal Rat	No data available
LD50 Injected Rat	5550 mg/kg intraperitoneal injection
2-Methylisothiazolin-3-one	
LD50 Oral Rat	285.5 mg/kg
LC50 Inhalation Rat	0.11 mg/l exposure 4h (corrosive to respiratory tract)
LD50 Dermal Rat	>2000 mg/kg component is toxic after single contact with skin

Skin Corrosion/Irritation: Data not available

pH: 6.0-10.0

Eye Damage/Irritation: Data not available

Respiratory or Skin Sensitization: May cause skin allergic reaction

Germ Cell Mutagenicity: No

Carcinogenicity: Data not available

Reproductive Toxicity: Not classified

Specific Target Organ Toxicity (Single Exposure): Not classified

Specific Target Organ Toxicity (Repeated Exposure): Not classified.

Aspiration Hazard: Not classified

Symptoms/Injuries After Inhalation: Prolonged exposure may cause irritation.

Symptoms/Injuries After Skin Contact: Causes skin irritation.

Symptoms/Injuries After Eye Contact: Causes eye irritation with contact.

Symptoms/Injuries After Ingestion: Ingestion may cause adverse effects.
Chronic Symptoms: The possible symptoms known are those derived from the labelling (see section 2).

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity (Product)

Ecology - General : Not classified
Toxicity to fish: Not classified
Toxicity to aquatic invetebrate: No data available
Toxity to fish (chronic) No data available
Toxicity to microorganisms: No data available

Components:

12.2. Persistence and Degradability

Sto Extended Red Oxide Colorant ERO	
Persistence and Degradability	Not established.

12.3. Bioaccumulative Potential

Sto Extended Red Oxide Colorant ERO	
Bioaccumulative Potential	Not established.

12.4. Mobility in Soil No additional information available

12.5. Other Adverse Effects

Ozone : Not classified
Other Information : Avoid release to the environment

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste Disposal Recommendations: Dispose of contents/container in accordance with local, regional, national, and international regulations.
Ecology - Waste Materials: Avoid release to the environment. Keep out of sewers and waterways.

SECTION 14: TRANSPORT INFORMATION

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued.

In Accordance with UN RTDG, IMDG, and IATA

UN RTDG	IMDG	IATA
14.1. UN Number		
Not regulated for transport		
14.2. UN Proper Shipping Name		
Not applicable	Not applicable	Not applicable
14.3. Transport Hazard Class(es)		
Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable
14.4. Packing Group		
Not applicable	Not applicable	Not applicable
14.5. Environmental Hazards		
Not applicable	Not applicable	Not applicable

14.6. Special Precautions For User No additional information available

14.7. Transport in Bulk According to Annex II of MARPOL and The IBC Code Not applicable

SECTION 15: REGULATORY INFORMATION

15.1. International Regulatory Lists

CERCLA Reportable Quantity: This material does not contain any components with a CERCLA RQ
SARA 304 Extremely Hazardous Substances Reportable Quantity: This material does not contain any components with a section 304 EHS RQ.

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity: This material does not contain any components with a section 302 EHS TPQ.

SARA 311/312 Hazards : Respiratory or skin sensitisation
SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
Clean Air Act:
This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).
This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).
This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCMI Intermediate or Final VOC's (40 CFR 60.489).
Clean Water Act:
This product does not contain any Hazardous Substances listed under the U.S. Clean Water Act, Section 311, Table 116.4A.
This product does not contain any Hazardous Chemicals listed under the U.S. Clean Water Act, Section 311, Table 117.3.
This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307
This product does not contain any priority pollutants related to the U.S. Clean Water Act
The components of this product are reported in the following inventories: TSCA

On TSCA Inventory, All components are compliant with the TSCA Inventory Notification (Active) rule.

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Date of Preparation or Latest Revision : 4/1/2022

Data Sources : Information and data obtained and used in the authoring of this safety data sheet could come from database subscriptions, official government regulatory body websites, product/ingredient manufacturer or supplier specific information, and/or resources that include substance specific data and classifications according to GHS or their subsequent adoption of GHS.

Other Information : According to The United Nations Ghs (Rev. 6, 2015)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

UN Latin America GHS SDS (Bolivia, Colombia, Ecuador, El Salvador, Guatemala, Honduras, Nicaragua, Panama, Peru)

GHS Full Text Phrases:

H317	May cause an allergic skin reaction

Indication of Changes: Composition updates and formatting

Replaced previous version dated 3/4/2016

Abbreviations and Acronyms:

ACGIH – American Conference of Governmental Industrial Hygienists
AIHA – American Industrial Hygiene Association
ATE - Acute Toxicity Estimate
BCF - Bioconcentration Factor
BEI - Biological Exposure Indices (BEI)
BOD – Biochemical Oxygen Demand
CAS No. - Chemical Abstracts Service Number
COD – Chemical Oxygen Demand
EC50 - Median Effective Concentration
EmS-No. (Fire) - IMDG Emergency Schedule Fire
EmS-No. (Spillage) - IMDG Emergency Schedule Spillage
ErC50 - EC50 in Terms of Reduction Growth Rate
ERG code (IATA) - Emergency Response Drill Code as found in the International Civil Aviation Organization (ICAO)
GHS – Globally Harmonized System of Classification and Labeling of Chemicals
HCCL - Hazard Communication Carcinogen List
IARC - International Agency for Research on Cancer
IATA - International Air Transport Association
IBC – International Bulk Chemical Code
IMDG - International Maritime Dangerous Goods
LC50 - Median Lethal Concentration
LD50 - Median Lethal Dose
LOAEL - Lowest Observed Adverse Effect Level
LOEC - Lowest-Observed-Effect Concentration
Log Koc - Soil Organic Carbon-water Partitioning Coefficient
Log Kow - Octanol/water Partition Coefficient

Log Pow - Ratio of the equilibrium concentration (C) of a dissolved substance in a two-phase system consisting of two largely immiscible solvents, in this case octanol and water
MARPOL – International Convention for the Prevention of Pollution
MFAG-No - Medical First Aid Guide for Use in Accidents Involving Dangerous Goods
NOAEL - No-Observed Adverse Effect Level
NOEC - No-Observed Effect Concentration
NTP – National Toxicology Program
OEL - Occupational Exposure Limits
OSHA – Occupational Safety and Health Administration pH
– Potential Hydrogen
SADT - Self Accelerating Decomposition Temperature
SDS - Safety Data Sheet
SRCL - Specifically Regulated Carcinogen List
STEL - Short Term Exposure Limit
ThOD – Theoretical Oxygen Demand
TLM - Median Tolerance Limit
TLV - Threshold Limit Value
TPQ - Threshold Planning Quantity
TWA - Time Weighted Average
UN – United Nations
UN RTDG – United Nations Recommendations on the Transport of Dangerous Goods
VOC – Volatile Organic Compounds
WEEL - Workplace Environmental Exposure Level