Safety Data Sheet

Section 1: Material/Company Identification

PRODUCT NAME: Justrite® Oil Solidifying Polymers
CHEMICAL FAMILY: Styrene-Butadiene-Styrene Polymer
PRODUCT FAMILY: Thermoplastic Elastomer
CORPORATE OFFICE
Justrite®
1310 Harris Bridge Road
Anderson, SC 29621-3410
Phone: 800-285-4203
Web: www.justrite.com

Section 2: Hazards Identification

HMIS Hazard Class
Health: 0 Flammability: 1 Physical Hazards: 0

Human Health Hazards
None

Environmental Hazards
None

Safety Hazards
Electrostatic charges may be generated during handling. Risk of self-ignition of bulk product above certain temperatures (Refer to Section 10). Specifically for milled grades and accumulated polymer dust: dust explosion could occur.

Special Notes
These components are synthetic rubber compounds, which are essentially non-toxic. Material is non-irritating. If polymer dusts are generated, they could scratch the eyes and cause minor irritation to the respiratory tract.

Section 3: Composition

SUBSTANCES ARE NON-HAZARDOUS and NOT CLASSIFIED.

In accordance with provisions of the OSHA Hazard Communication Rule Trade Secrets (§1910.1200(i)), the specific chemical identity and exact percentage (concentration) of composition has been withheld as a trade secret.

Section 4: First Aid Measures

Symptoms and Effects
None

Inhalation
If dust is inhaled, obtain medical attention.

Skin
Flush skin with water.

Eyes
Flush eyes with water.

Ingestion
None

Advice to physicians
Treat symptoms.

Section 5: Fire Fighting Measures

NFPA 704 Hazard Class
Health: 0 Flammability: 1 Instability: 0

Specific Hazards
Not flammable but will burn. Combustion products may include carbon monoxide and carbon dioxide.

Extinguishing Media
Foam, water spray or fog. Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only.

Unsuitable Extinguishing Media
Water in a spray may disperse fire.

Protective Equipment
Full protective clothing and self contained breathing apparatus.
**Section 6: Accidental Release Measures**

**Personal Precautions**
Avoid generating dust.

**Environmental Precautions**
None

**Clean-up Methods - Small Spillage**
Shovel up and place in a labeled, sealable container for subsequent disposal as required by local, state, federal, international or country specific regulations.

**Clean-up Methods - Large Spillage**
Transfer to a labeled, sealable container for product recovery or disposal as required by local, state, federal, international or country specific regulations.

**Protective Measures**
Wear appropriate personal protective equipment (refer to Section 8) when responding to spills.

**Spill Management**
Shovel and sweep up or use industrial vacuum cleaner. Proper disposal should be evaluated based on the regulations of this material (refer to Section 13). Prevent entry into waterways, sewer, or confined areas.

**Section 7: Handling and Storage**

**Handling**
Avoid generation of dust. Take precautionary measures against static discharges, earth/ground all equipment. Do not breathe dust. Use local exhaust over processing area.

When processing Justrite® oil solidifying products, maintain a fire watch if the material reaches 280°C (536°F). The temperature listed are indicated only for safety reasons (risk of fire and product degradation) and are not recommended for processing.

Degradation of the polymer (polymer breakdown) will start at lower temperatures depending on the specific processing conditions. Therefore, operating below these temperatures does not guarantee the absence of product degradation.

Static charge buildup can be a potential fire hazard when used in the presence of volatile, flammable vapors or in high airborne dust concentrations. Considering the risks of electrostatic discharges, handling the products in potentially flammable atmospheres should be evaluated carefully. Suitable precautions should be taken at all times, in particular when emptying bags or other packaging. Earth/Ground equipment to dissipate charges that may develop. For more information contact your Justrite® sales representative.

**Storage**
Keep container dry. Keep in a cool, well-ventilated place. All Justrite® polymers contain an antioxidant to aide in stabilizing the polymer over its recommended use and storage conditions. Exposure to direct sunlight or elevated temperatures over prolonged periods of time consumes the antioxidant at an increased rate and may lead to self heating and thermal degradation. Avoid storage under pressure or at elevated temperatures to minimize particulate clustering. Do not stack Flexible Intermediate Bulk Containers (FIBCs) or palletized bags.

**Storage Temperatures**
Ambient.

**Product Transfer**
Take precautionary measures against static discharge. Earth/Ground all equipment.

**Other Information**
Justrite® oil solidifying polymers may accumulate static charge during transport, handling and processing. Reducing the velocity of material transfer will reduce the likeliness that a charge will be created.

**Section 8: Exposure Controls/Personal Protection**

**Occupational Exposure**
In the absence of occupational exposure standards for this product, it is recommended that the following be adopted:

**Nuisance Dust TLV**
TWA (8 h) 10 mg/m³ If dust is generated.

**Engineering Control Measures**
Use local exhaust ventilation.

**Respiratory Protection**
Where local exhaust ventilation is not practicable and odors are detected, use a negative pressure half face
Section 9: Physical and Chemical Properties

Physical State: Solid

Color: Clear or White

Odor: Essentially orderless

Flash Point: N/A

Density: Typically between 880-950 kg/m³ at 20° C

Specific Gravity: <1

Bulk Density (for solids): Typical 300-400 kg/m³ at 20° C

Solubility (in water): Insoluble

N-octanol/water partition coefficient (log Pow): Not applicable

All other properties are not applicable.

Residual monomers: We do not routinely measure but analysis of representative products indicate isoprene, styrene, and 1,3-butadiene are not present at the detection limit of our instrumentation. Based on our manufacturing processes, we believe these results are typical for our polymers.

Section 10: Reactivity and Stability

Stability
Stable under ambient conditions. Oxidizers exothermically above ambient temperature.

Conditions to Avoid
Avoid contact with strong oxidizing agents. Accumulation of product in areas exposed to elevated temperatures for extended periods in air may result in self-heating and auto ignition. Avoid elevated temperatures in storage for prolonged periods of time.

Hazardous Decomposition Products
Hazardous vapors from heated product are not expected to be generated under normal processing temperatures and conditions.

None under ambient conditions. Although highly dependent on temperature and environmental conditions, a variety of thermal decomposition products may be present if the product is over heated, is smoldering or catches fire. Typical decomposition products are ultimately oxides of carbon.

Section 11: Toxicological Information

Basis for Assessment
Toxicological data has not been determined for this product. Information is based on similar products.

Acute Toxicity Oral
Expected to be of low toxicity, LD50 > 2000 mg/kg

Acute Toxicity Dermal
Expected to be of low toxicity, LD50 > 2000 mg/kg

Acute Toxicity Inhalation
LC50 > 100,000 ppm

Skin Irritation
Not expected to be irritating.

Eye Irritation
Not expected to be irritating.

Skin Sensitization
Not expected to be a skin sensitizer.

Continued on next page.
Section 12: Ecological Information

Basis for Assessment
No ecotoxicological data has been generated for this product. The information below is based on components and on similar products.

Mobility
Floats on water. Remains on surface of soil.

Persistence/Degradability
Not expected to be inherently biodegradable. Persists under anaerobic conditions.

Bioaccumulation
Not expected to bioaccumulate.

Acute Toxicity - Fish
Expected to be practically non-toxic, LC/EC/IC 50 > 1000 mg/L

Acute Toxicity - Invertebrates
Expected to be practically non-toxic, LC/EC/IC 50 > 1000 mg/L

Acute Toxicity - Algae
Expected to be practically non-toxic, LC/EC/IC 50 > 1000 mg/L

Acute Toxicity - Bacteria
Expected to be practically non-toxic, LC/EC/IC 50 > 1000 mg/L

Sewage Treatment
Expected to be practically non-toxic, LC/EC/IC 50 > 1000 mg/L

Section 13: Disposal Considerations

Product Disposal
Recover or recycle if possible; otherwise; incinerate or use a licensed landfill.

Container Disposal
Remove all packaging for recovery or disposal.

Local Legislation
Consult local, state, federal, international or country specific regulations as appropriate.

FEDERAL LEGISLATION
If this product becomes a waste and has not been chemically altered, it is not considered a hazardous waste.

Emergency Planning and Community Right-to-Know Act (EPCRA)
Not regulated.

Comprehensive Environmental Response, Compensation and Liability Act (CERCLA/Superfund)
Not regulated.

Superfund Amendments and Reauthorizations Act Title III:
Section 302 - Extremely Hazardous Substances
Section 304 - Hazardous Substances
Section 311/312 - Hazard Communication Standard
Section 313 - Toxic Chemical List
Not regulated.
Section 14: Transport Information

US Department of Transportation (DOT) 49CFR 171-180
This product is not classified as hazardous.

International Air Transportation Association Classification (IATA)
This product is not classified as hazardous.

International Maritime Organization (IMDG)
This product is not classified as hazardous.

UN, IMO, ADR/RID, ICAO Code
This product is not dangerous.

Harmonized Tariff System (HTS)
Harmonized System Number: 4002.19

Export Administration Regulations
Does not require a license: EAR 99

Section 15: Regulatory Information

INTERNATIONAL LEGISLATION

GLOBAL CHEMICAL INVENTORY STATUS - All of the substances are acceptable for use under:
- AUSTRALIA - Inventory of Chemical Substances (AICS)
- CANADA - (CEPA) Domestic Substances List (DSL)
- CHINA - Inventory of Existing Chemical Substances (IECSC)
- EU - European Inventory of Existing Chemical Substances (EINECS)
- JAPAN - Inventory of Existing and New Chemical Substances (IENCS)
- KOREA - Existing Chemicals Inventory (KECI)
- NEW ZEALAND - New Zealand Inventory of Chemicals (NZIOC)
- PHILIPPINES - Inventory of Chemicals and Chemical Substances (PICCS)
- USA - Toxic Substances Control Act (TSCA)

This document is compliant with the Globally Harmonized System (GHS) for the classification, labeling, and packaging (CLP) of substances and mixtures.

EU REACH Article 29 (Requirements for Safety Data Sheets) and Japan Ministry of Economy, Trade, and Industry (METI), Ministry of Health, Labor, and Welfare (MHLW) and Ministry of the Environment (MOE).

Not classified.

Not classified.

Not regulated.

CANADA Workplace Hazardous Materials Information System (WHMIS)
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required. This is NOT a WHMIS controlled product.

EU Regulation (EC) 1907/2006 REACH
Polymers are exempted from registration and evaluation. Therefore, Justrite® products are exempted by regulation. Annex V exempts from registration additives used in our polymers as antioxidants, defoaming agents, stabilizers, etc., and exempts substances that are naturally occurring that have not been chemically modified, Article 2(7)(b). Use of our products in medical devices regulated by Council Directive 90/385/EEC of 20 June 1990 and 93/42/EEC of 14 June 1993 and Directive 98/79/EC, or used in cosmetic products by Directive 76/768/EEC or used as a food contact material under Regulation (EC) No 1935/2004 are also exempted.

International Nomenclature of Cosmetic Ingredients (INCI)
Styrene/Butadiene Copolymer

EU Directive 2002/95/EC Restrictions of Hazardous Substances (RoHS) in electrical and electronic equipment
Restricted substances: Lead, Mercury, Cadmium, Hexavalent Chromium, PBB and PBDE
Not regulated.

Continued on next page.
Not regulated.

EU Directive 91/689/EEC Hazardous Waste
Not regulated.

EU Directive 94/62/EC as amended by 2004/12/EC (Packaging and packaging waste)
Not regulated. The product meets the requirement for the total amount of cadmium, chromium, lead and mercury to be less than 100 parts per million.

Not regulated.

EU Directive 2037/2000 Ozone Depleters (Class I or II) as defined in Montreal Protocol
Not regulated.

Article 19g(5) Federal Water Management Act (WHG) of 17 May 1999 (amended in July 2005)
Our products are classified into the Water Hazard Class WGK 1.

International Conventions
Chemical Weapons, Rotterdam PIC (Prior Informed Consent), Persistent Organic Pollutants (POP), Drug Precursors
Not regulated.

UNITED STATES: FEDERAL REGULATIONS

Food and Drug Administration (FDA) 21 CFR 170-199
Products on this SDS may conform with uses under food contact regulations as an article or a component of an article intended for food contact. Most Justrite® Polymers comply with worldwide regulations for food contact applications, including those of the Food and Drug Administration (FDA) and the European regulatory agencies.

Toxic Substances Control Act (TSCA) Section 4, 5(a)(2), (e), (f), 6, 7 or 12(b)
Not regulated.

Clean Air Act Amendments Section 602 (Class I or II) Ozone Depleters
Not regulated.

Clean Air Act Section 111 Volatile Organic Compounds (VOC)
Not regulated.

Clean Air Act Section 112 Hazardous Air Pollutants (HAP)
Not regulated.

Clean Water Act Section 307 Priority Pollutants
Not regulated.

UNITED STATES: STATE REGULATIONS

Right-to-Know Laws (Massachusetts, New Jersey, New York State, Pennsylvania)
Not regulated.

Coalition of Northeastern Governors (CONEG)
Not regulated. The product meets the requirement for the total amount of cadmium, chromium, lead and mercury to be less than 100 parts per million.

Section 16: Other Information

Last Revision Date: 4/9/2019

Disclaimer
The information in this document 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. Advice in this document relates only to the product as originally supplied. Where other ingredients are added in the processing of this product, advice should be sought on their safe handling and use.