



Safety Data Sheet

Classified in accordance 29 CFR 1910.1200

1. Product Identification

Product Name FLEX SEAL GRAY (AEROSOL)
Product Codes: FSGRYR20; US473GRY20 & GSD473GRY20
Recommended Use: Coating
Manufacturer / Importer / Distributor Information: SWIFT RESPONSE, LLC
15499 SW 12th Street,
SUNRISE FL 33326
Emergency Telephone: 1-800-424-9300

2. Hazard(s) identification

Classification

Flammable Aerosol, category 1
Skin Irritation, category 2
STOT, single exposure, category 3, NE
Reproductive Toxicity, category 2
STOT, repeated exposure, category 2

Label elements

HAZARD PICTOGRAMS



SIGNAL WORD

Danger

GHS HAZARD STATEMENTS

H222 Extremely flammable aerosol.
H229 Pressurized container: may burst if heated
H315 Causes skin irritation.
H336 May cause drowsiness or dizziness.
H361 Suspected of damaging fertility or the unborn child.
H373 May cause damage to organs through prolonged or repeated exposure.

GHS PRECAUTIONARY STATEMENTS

Prevention

P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.
P260	Do not breathe fumes, mists, vapours or spray.
P264	Wash thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves and protective clothing
Response	
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P304+P340+P312	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P314	Get medical advice/attention if you feel unwell.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
Storage	
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50°C / 122°F.
Disposal	
P501	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Other Information

None

3. Composition/Information on Ingredients

Mixtures

<u>Chemical Identity</u>	<u>CAS Number</u>	<u>Content in Percent (%)*</u>
Isobutane	75-28-5	10-30
Toluene	108-88-3	10-30
Naphtha (petroleum), Heavy Alkylate	64741-65-7	7-13
Distillates (petroleum), Light Distillate Hydrotreated	68410-97-9	7-13
Titanium dioxide	13463-67-7	3-7
Propane	74-98-6	1-5
Propylene Carbonate	108-32-7	0.5-1.5
Stoddard solvent	8052-41-3	0.1-1.0
1,2,4-trimethylbenzene	95-63-6	0.1-1.0

** All concentrations are percent by weight.*

Composition Comments: Other components are not hazardous or are below required disclosure limits.

The exact concentration has been withheld as a trade secret.

4. First-aid Measures

SKIN CONTACT: Remove contaminated clothing and wash the skin thoroughly with soap and water after work. Wash skin thoroughly with soap and water for several minutes. If irritation occurs, get medical attention. Remove contaminated clothing. Launder clothing before re-use.

EYE CONTACT: Rinse immediately with plenty of water.

INHALATION: Move to fresh air. Remove victim to fresh air. If breathing is difficult, oxygen should be administered by qualified personnel. Get medical attention if you feel unwell.

INGESTION: Rinse mouth.

IMPORTANT SYMPTOMS: Inhalation may cause drowsiness or dizziness. May cause skin irritation. Prolonged or repeated exposure may cause damage to organs.

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED: Get medical attention if symptoms occur.

5. Fire-fighting Measures

EXTINGUISHING MEDIA: Use fire-extinguishing media appropriate for surrounding materials.

UNSUITABLE EXTINGUISHING MEDIA: Do not use water jet as an extinguisher, as this will spread the fire.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Extremely flammable aerosol. Contents under pressure. Keep away from ignition sources and open flames. Prolonged exposure to temperatures above 50°C / 122°F may cause cans to burst. Vapors may travel considerable distance to a source of ignition and flash back. Combustion may produce carbon dioxide and carbon monoxide.

SPECIAL FIREFIGHTING PROCEDURES: No data available

6. Accidental Release Measures

PERSONAL PRECAUTIONS : Ventilate closed spaces before entering them. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep upwind.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANUP: Leaking cans should be placed in a plastic bag or open pail away from ignition sources until the pressure has dissipated. Collect liquid spill with an inert absorbent material and place into a suitable container for disposal.

ENVIRONMENTAL PRECAUTIONS: Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water sources or sewer. Environmental manager must be informed of all major spillages.

7. Handling and Storage

HANDLING: Keep away from sources of ignition - No smoking. Keep away from open flames, hot surfaces and sources of ignition. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use.

SAFE HANDLING ADVICE: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use.

STORAGE: Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

NFPA 30B: Aerosol Level 2

8. Exposure Controls/Personal Protection

Ingredients with Occupational Exposure Limits

<u>Chemical Name</u>	<u>TLV-TWA</u>	<u>TLV-STEL</u>	<u>PEL-TWA</u>	<u>PEL-CEILING</u>
Isobutane	N.E.	1000 ppm	N.E.	N.E.
Toluene	20 ppm	N.E.	200 ppm	300 ppm
Naphtha (petroleum), Heavy Alkylate	N.E.	N.E.	100 ppm	N.E.
Distillates (petroleum), Light Distillate Hydrotreated	N.E.	N.E.	5 mg/m3	N.E.
Titanium dioxide	0.2 mg/m3	N.E.	15 mg/m3	N.E.
Propane	N.E.	N.E.	1000 ppm	N.E.
Propylene Carbonate	N.E.	N.E.	N.E.	N.E.
Stoddard solvent	100 ppm	N.E.	500 ppm	N.E.
1,2,4-trimethylbenzene	25 ppm	N.E.	N.E.	N.E.

Further Advice: MEL = Maximum Exposure Limit OES = Occupational Exposure Standard SUP = Supplier's Recommendation
Sk = Skin Sensitizer N.E. = Not Established

ENGINEERING CONTROLS: No data available

Personal Protection

EYE/FACE PROTECTION: Wear goggles/face shield.

SKIN PROTECTION: Wear impervious gloves to prevent skin contact.

RESPIRATORY PROTECTION: Seek advice from local supervisor. In case of inadequate ventilation use suitable respirator.

HYGIENIC PRACTICES: When using do not smoke. Observe good industrial hygiene practices.

9. Physical and Chemical Properties

Appearance:

Physical State:	Liquid
Form:	Spray Aerosol
Color:	Gray
Odor:	No data available
Odor Threshold:	No data available
pH:	No data available
Freeze Point, °C:	No data available
Boiling Point, °C:	111
Flash Point, °C:	Not applicable to aerosols
Flammability (solid, gas):	Flammable Aerosol
Evaporation Rate:	No data available
Combustibility:	Supports Combustion
Explosive Limits, %:	0.6 - 12.0
Vapor Pressure @20°C, PSI:	40 - 55
Relative Vapor Density:	Heavier than Air
Relative Density:	0.782
Solubility in Water:	No data available
Partition Coefficient, n-octanol/water:	No data available
Auto-Ignition Temperature, °C:	No data available
Decomposition temperature, °C:	No data available
Kinematic Viscosity:	2553 centistokes
Particle Characteristics:	No data available

10. Stability and Reactivity

REACTIVITY: Not reactive under normal conditions of use.

STABILITY: Material is stable under normal conditions.

POSSIBILITY OF HAZARDOUS REACTIONS: No data available

CONDITIONS TO AVOID: Keep away from heat, sparks, flames, and other sources of ignition. Do not puncture or incinerate containers. Dropping containers may cause bursting.

INCOMPATIBILITY: No data available

HAZARDOUS DECOMPOSITION PRODUCTS: Combustion may produce carbon dioxide and carbon monoxide.

11. Toxicological Information

Information on Likely Routes of Exposure

SKIN CONTACT EFFECTS: May cause irritation, drying, defatting of the skin and dermatitis.

EYE CONTACT EFFECTS: May cause slight irritation with tearing.

INHALATION EFFECTS: May cause central nervous system effects with drowsiness and dizziness.

INGESTION EFFECTS: Ingestion may cause irritation of the mucous membranes, esophagus and stomach.

The following Chemicals are listed on IARC Monographs on the Evaluation of Carcinogenic Risk to Humans:

<u>CAS-No.</u>	<u>Chemical Name</u>	<u>IARC Listing</u>
13463-67-7	Titanium dioxide	IARC Group 2B,
14808-60-7	Crystalline Silica	IARC Group 1,
1333-86-4	Carbon Black	IARC Group 2B,
98-82-8	Cumene	IARC Group 2B,
100-41-4	Ethyl Benzene	IARC Group 2B,
91-20-3	Naphthalene	IARC Group 2A,IARC Group 2B,
71-43-2	Benzene	IARC Group 1,

The following Chemicals are listed on the U.S. National Toxicology Program (NTP) Report on Carcinogens:

<u>CAS-No.</u>	<u>Chemical Name</u>	<u>NTP Listing</u>
14808-60-7	Crystalline Silica	NTP Known Human Carcinogen
98-82-8	Cumene	NTP Reasonably Anticipated to be Human Carcinogen
91-20-3	Naphthalene	NTP Reasonably Anticipated to be Human Carcinogen
71-43-2	Benzene	NTP Known Human Carcinogen

The following Chemicals are listed on U.S. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended:

<u>CAS-No.</u>	<u>Chemical Name</u>	<u>OSHA Listing</u>
13463-67-7	Titanium dioxide	Present
14808-60-7	Crystalline Silica	Present
1333-86-4	Carbon Black	Present
98-82-8	Cumene	Present
100-41-4	Ethyl Benzene	Present
91-20-3	Naphthalene	Present
71-43-2	Benzene	Present

The following values are calculated based on chapter 3.1 of the GHS document. The product itself has not been tested.

ATE ORAL 9,035 mg/kg

ATE DERMAL 5,413 mg/kg

ATE INHALATION Not classified for acute toxicity based on available data.

Acute Toxicity Values

The acute effects of this product have not been tested. Data on individual components are tabulated below

<u>CAS-No.</u>	<u>Chemical Name</u>	<u>Oral LD50</u>	<u>Dermal LD50</u>	<u>Vapor LC50</u>
75-28-5	Isobutane	5,000 mg/kg	5000 mg/kg	100 mg/l
108-88-3	Toluene	5,580 mg/kg	5,000 mg/kg	28.1 mg/l
64741-65-7	Naphtha (petroleum), Heavy Alkylate	5,000 mg/kg	5,000 mg/kg	100 mg/l
68410-97-9	Distillates (petroleum), Light Distillate Hydrotreated	5,000 mg/kg	2,000 mg/kg	100 mg/l
13463-67-7	Titanium dioxide	5,000 mg/kg	5,000 mg/kg	100 mg/l
74-98-6	Propane	5,000 mg/kg	5,000 mg/kg	100 mg/l
108-32-7	Propylene Carbonate	5000 mg/kg	5000 mg/kg	100 mg/l
8052-41-3	Stoddard solvent	5000 mg/kg	>3000 mg/kg Rabbit	100 mg/l
95-63-6	1,2,4-trimethylbenzene	6,000 mg/kg	3,440 mg/kg	18 mg/L Rat

N.I. = No Information

Skin Corrosion & Irritation:

Product: No data available

Components:
Toluene 108-88-3 Causes skin irritation.

Serious Eye Damage & Irritation:

Product: No data available

Respiratory or Skin Sensitization:

Product: No data available

STOT-Single Exposure:

Product: No data available

Components:
Toluene 108-88-3 May cause drowsiness or dizziness.

STOT-Repeated Exposure:

Product: No data available

Components:
Toluene 108-88-3 May cause damage to organs through prolonged or repeated exposure.

Aspiration Hazard:

Product: No data available

Carcinogenicity:

Product: Contains: Titanium dioxide, Crystalline Silica, and Carbon Black which are classified as carcinogenic by IARC based on inhalation. However, the solids in this product are bound in a matrix and not in a respirable form. The solids in this product do not present a carcinogen hazard by inhalation under conditions of normal use. If the cured coating is sanded, it is possible to create respirable particles so precautions must be taken to avoid exposure.

Reproductive Toxicity:

Product: No data available

Components:
Toluene 108-88-3 Suspected of damaging fertility or the unborn child.

Germ Cell Mutagenicity:

Product: No data available

12. Ecological Information

ECOLOGICAL INFORMATION: No data available

PERSISTENCE: No data available

BIOACCUMULATE: No data available

MOBILITY IN SOIL: No data available

OTHER ECOLOGICAL: No data available

13. Disposal Information

DISPOSAL INFORMATION: Consult with your local, regional and federal agencies for information on proper disposal.

CONTAMINATED PACKAGING : Consult with your local, regional and federal agencies for information on proper disposal.

14. Transport Information

SPECIAL TRANSPORT PRECAUTIONS: No data available

DOT

UN Number:	UN1950
Proper Shipping Name:	AEROSOLS, FLAMMABLE
Technical Name:	N/A
Hazard Class(es)	
Class:	2.1
Subsidiary Risk	N/A
Packing Group:	N/A

IATA

UN Number:	UN1950
Proper Shipping Name:	AEROSOLS, FLAMMABLE
Technical Name:	N/A
Hazard Class(es)	
Class:	2.1
Subsidiary Risk:	N/A
Packing Group:	N/A

IMDG

UN Number:	UN1950
Proper Shipping Name:	AEROSOLS, FLAMMABLE
Technical Name:	N/A
Hazard Class(es)	
Class:	2.1
Subsidiary Risk:	N/A
Packing Group:	N/A

The classification shown in this section may be eligible for use of an exception, such as 'Limited Quantity', per the dangerous goods regulations. The shipper of this product should consult the applicable mode's regulation for the UN number displayed above to determine if any exceptions are available and may be utilized, at the shipper's discretion.

15. Regulatory Information

SARA SECTION 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

Chemical Name	CAS-No.	Wt %
Toluene	108-88-3	20.06

CHEMICAL INVENTORY STATUS:

TSCA	On or in compliance with the inventory
DSL	All ingredients in this product are listed on the DSL or are exempt.

CALIFORNIA PROPOSITION 65 CARCINOGENS AND REPRODUCTIVE TOXINS:



WARNING

This product can expose you to chemicals including Titanium dioxide, Crystalline Silica, Carbon Black, Cumene, Ethyl Benzene, Naphthalene, Benzene, which are known to the State of California to cause cancer, and Toluene, Benzene which are known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

<u>Chemical Name</u>	<u>CAS-No.</u>
Toluene	108-88-3
Titanium dioxide	13463-67-7
Crystalline Silica	14808-60-7
Carbon Black	1333-86-4
Cumene	98-82-8
Ethyl Benzene	100-41-4
Naphthalene	91-20-3
Benzene	71-43-2

16. Other Information

Revision Date:	12/5/2024
Datasheet produced by:	Regulatory Department

Legend

N/A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined, N.I. - No Information

TLV - Threshold Limit Values (TLVs®), as established by the American Conference of Governmental Industrial Hygienists (ACGIH®)

PEL - Permissible Exposure Limit, as established by the U.S. Occupational Safety and Health Administration (OSHA), as amended

TSCA - U.S. Toxic Substance Control Act

DSL - Canada Environmental Protection Act: Domestic Substance List

This information is being provided in accordance with the Occupational Safety and Health Administration (OSHA) regulation (29 CFR 1910.1200). The information supplied is designed for workplaces where the product use and frequency of exposure exceeds that established for the labeled consumer use.

Further Information

This document has been prepared using data from sources considered to be technically reliable. It does not constitute a warranty, expressed or implied, as to the accuracy of the information contained herein. Actual conditions of use are beyond the manufacturer's and seller's control. Purchaser and user are responsible for determining the suitability of the product for a particular purpose, adopting precautions for the protection of property and persons, and compliance with all Federal, State, Provincial, and Local laws.