SAFETY DATA SHEET

Issuing Date 02-Dec-2019 **Revision Date** 02-Dec-2019 **Revision Number** 2

NGHS / English

1. IDENTIFICATION

Product identifier

Product Name BEHR Fast-Drying Oil-based Polyurethane Matte - Aerosol

Other means of identification

Product Code(s) 1551680

Recommended use of the chemical and restrictions on use

Recommended Use Wood Stains Coating - Aerosol

Restrictions on use No information available

Details of the supplier of the safety data sheet

Supplier Identification Behr Process Corp

Address 1801 E St. Andrew Place
Santa Ana
CA
92705
US

Telephone Phone:7145457101
Fax:7144356874

E-mail crobinson@behr.com

Emergency telephone number

Company Emergency Phone Number 7145457101

2. HAZARDS IDENTIFICATION

Classification

Serious eye damage/eye irritation	Category 2A
Germ cell mutagenicity	Category 1B
Carcinogenicity	Category 1A
Reproductive toxicity	Category 2

Specific target organ toxicity (single exposure)	Category 3
Specific target organ toxicity (repeated exposure)	Category 2
Aspiration toxicity	Category 1
Flammable aerosols	Category 1
Gases under pressure	Liquefied Gas

Appearance Clear **Physical state** Liquid spray Aerosol **Odor** No information available

GHS Label elements, including precautionary statements

Danger

Hazard statements
Causes serious eye irritation
May cause genetic defects
May cause cancer
Suspected of damaging fertility or the unborn child
May cause drowsiness or dizziness
May cause damage to organs through prolonged or repeated exposure
May be fatal if swallowed and enters airways
Extremely flammable aerosol
Contains gas under pressure; may explode if heated

Precautionary Statements - Prevention
Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Wear protective gloves/protective clothing/eye protection/face protection
Wash face, hands and any exposed skin thoroughly after handling
Do not breathe dust/fume/gas/mist/vapors/spray
Use only outdoors or in a well-ventilated area
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
Precautionary Statements - Response
IF exposed or concerned: Get medical advice/attention
Eyes
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
If eye irritation persists: Get medical advice/attention
Inhalation
IF INHALED: Remove person to fresh air and keep comfortable for breathing
Ingestion
IF SWALLOWED: Immediately call a POISON CENTER or doctor
Do NOT induce vomiting

Precautionary Statements - Storage
Store locked up

Store in a well-ventilated place. Keep container tightly closed
Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F
Protect from sunlight

Precautionary Statements - Disposal
Dispose of contents/container to an approved waste disposal plant

Other information
May be harmful if swallowed. May be harmful in contact with skin. Causes mild skin irritation. Harmful to aquatic life with long lasting effects.

Unknown acute toxicity 90.59973 % of the mixture consists of ingredient(s) of unknown toxicity
56.97093 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
90.59973 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
66.72853 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
72.61473 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)
45.19303 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

Not applicable.

Mixture

Chemical name	CAS No.	Weight-%	Hazardous Material Information Review Act registry number (HMIRA registry #)	Date HMIRA filed and date exemption granted (if applicable)
Third Party Formulation (TP # 1549156)	-	30 - 40%	-	-
Third Party Formulation (TP # 1549156)	-	10 - 20%	-	-
Third Party Formulation (TP # 1549156)	-	10 - 20%	-	-
Third Party Formulation (TP # 1549156)	-	0 - 10%	-	-
Third Party Formulation (TP # 1549156)	-	0 - 10%	-	-
Third Party Formulation (TP # 1549156)	-	0 - 10%	-	-
Third Party Formulation (TP # 1549156)	-	0 - 10%	-	-
Third Party Formulation (TP # 1549156)	-	0 - 10%	-	-
Third Party Formulation (TP # 1549156)	-	0 - 10%	-	-
Third Party Formulation (TP # 1549156)	-	0 - 10%	-	-
Third Party Formulation (TP # 1549156)	-	0 - 10%	-	-

4. FIRST AID MEASURES

Description of first aid measures

General advice Show this safety data sheet to the doctor in attendance. IF exposed or concerned: Get medical advice/attention. Immediate medical attention is required.

Inhalation Remove to fresh air. Aspiration into lungs can produce severe lung damage. If breathing has stopped, give artificial respiration. Get medical attention immediately. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. If breathing is difficult, (trained personnel should) give oxygen. Get immediate medical advice/attention. Delayed pulmonary edema may occur.

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area. Get medical attention if irritation develops and persists.

Skin contact In case of contact with liquefied gas, thaw frosted parts with lukewarm water.

Ingestion Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Aspiration hazard if swallowed - can enter lungs and cause damage. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Get immediate medical advice/attention.

Self-protection of the first aider Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Use personal protective equipment as required. Avoid contact with skin, eyes or clothing.

Most important symptoms and effects, both acute and delayed

Symptoms Difficulty in breathing. Coughing and/ or wheezing. Dizziness. Burning sensation. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

Indication of any immediate medical attention and special treatment needed

Note to physicians Because of the danger of aspiration, emesis or gastric lavage should not be employed unless the risk is justified by the presence of additional toxic substances.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media Dry chemical. Carbon dioxide (CO2). Water spray.

Large Fire CAUTION: Use of water spray when fighting fire may be inefficient.

Unsuitable extinguishing media DO NOT EXTINGUISH A LEAKING GAS FIRE UNLESS LEAK CAN BE STOPPED.

Specific hazards arising from the chemical Risk of ignition. Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Cylinders may rupture under extreme heat. Damaged cylinders should be handled only by specialists. Containers may explode when heated. Ruptured cylinders may rocket.

Hazardous Combustion Products Carbon oxides.

Explosion Data

Sensitivity to Mechanical Impact Yes.

Sensitivity to Static Discharge Yes.

Special protective equipment for fire-fighters	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions	Evacuate personnel to safe areas. Use personal protective equipment as required. See section 8 for more information. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Take precautionary measures against static discharges. Contents under pressure. Empty containers pose a potential fire and explosion hazard. Do not cut, puncture of weld containers.
Other Information	Ventilate the area. Refer to protective measures listed in Sections 7 and 8.

Methods and material for containment and cleaning up

Methods for containment	Stop leak if you can do it without risk. A vapor suppressing foam may be used to reduce vapors. Dike far ahead of spill to collect runoff water. Keep out of drains, sewers, ditches and waterways. Flood with water to complete polymerization and scrape off floor.
Methods for cleaning up	Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling	Use personal protection equipment. 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. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors). Use spark-proof tools and explosion-proof equipment. Handle product only in closed system or provide appropriate exhaust ventilation. Keep in an area equipped with sprinklers. Do not puncture or incinerate cans. Contents under pressure. In case of rupture. Avoid breathing vapors or mists. Empty containers pose a potential fire and explosion hazard. Do not cut, puncture of weld containers. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Remove contaminated clothing and shoes. In case of insufficient ventilation, wear suitable respiratory equipment.

Conditions for safe storage, including any incompatibilities

Storage Conditions	Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from sunlight. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labeled containers. Do not store near combustible materials. Keep in an area equipped with sprinklers. Store in accordance with the particular national regulations. Store in accordance with local regulations. Store locked up. Keep out of the reach of children. Store away from other materials.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Limits .

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Third Party Formulation (TP # 1549156)	STEL = 750 ppm TWA: 500 ppm	TWA: 1000 ppm TWA: 2400 mg/m³ (vacated) TWA: 1800 mg/m³ (vacated) TWA: 750 ppm (vacated) STEL: 1000 ppm (vacated) STEL: 2400 mg/m³	IDLH: 2500 ppm 10% LEL TWA: 250 ppm TWA: 590 mg/m³
Third Party Formulation (TP # 1549156)	TWA: 1000 ppm	TWA: 1000 ppm TWA: 1800 mg/m³	IDLH: 2100 ppm TWA: 1000 ppm TWA: 1800 mg/m³
Third Party Formulation (TP # 1549156)	TWA: 1000 ppm	(vacated) TWA: 800 ppm (vacated) TWA: 1900 mg/m³	TWA: 800 ppm TWA: 1900 mg/m³
Third Party Formulation (TP # 1549156)	TWA: 5 mg/m³ STEL: 10 mg/m³ (as oil mist)	TWA: 5 mg/m³ (as oil mist)	
Third Party Formulation (TP # 1549156)	TWA: 50 ppm S*	TWA: 500 ppm TWA: 1800 mg/m³ (vacated) TWA: 50 ppm (vacated) TWA: 180 mg/m³	IDLH: 1100 ppm TWA: 50 ppm TWA: 180 mg/m³
Third Party Formulation (TP # 1549156)	TWA: 20 ppm	TWA: 200 ppm (vacated) TWA: 100 ppm (vacated) TWA: 375 mg/m³ (vacated) STEL: 150 ppm (vacated) STEL: 560 mg/m³ Ceiling: 300 ppm	IDLH: 500 ppm TWA: 100 ppm TWA: 375 mg/m³ STEL: 150 ppm STEL: 560 mg/m³
Third Party Formulation (TP # 1549156)	TWA: 20 ppm	TWA: 50 ppm TWA: 240 mg/m³ (vacated) TWA: 25 ppm (vacated) TWA: 120 mg/m³ (vacated) S*	IDLH: 700 ppm TWA: 5 ppm TWA: 24 mg/m³
Third Party Formulation (TP # 1549156)	-	-	TWA: 25 ppm TWA: 125 mg/m³

Chemical name	Alberta	British Columbia	Ontario TWAEV	Quebec
Third Party Formulation (TP # 1549156)	TWA: 500 ppm TWA: 1200 mg/m³ STEL: 750 ppm STEL: 1800 mg/m³	TWA: 250 ppm STEL: 500 ppm	TWA: 250 ppm STEL: 500 ppm	TWA: 500 ppm TWA: 1190 mg/m³ STEL: 1000 ppm STEL: 2380 mg/m³
Third Party Formulation (TP # 1549156)	TWA: 1000 ppm		TWA:	TWA: 1000 ppm TWA: 1800 mg/m³
Third Party Formulation (TP # 1549156)	TWA: 1000 ppm	STEL: 750 ppm	STEL: 1000 ppm	TWA: 800 ppm TWA: 1900 mg/m³
Third Party Formulation (TP # 1549156)		TWA: 200 mg/m³ Skin		
Third Party Formulation (TP # 1549156)	TWA: 50 ppm TWA: 176 mg/m³ Skin	TWA: 20 ppm Skin	TWA: 50 ppm Skin	TWA: 50 ppm TWA: 176 mg/m³ Skin
Third Party Formulation (TP # 1549156)	TWA: 50 ppm TWA: 188 mg/m³ Skin	TWA: 20 ppm	TWA: 20 ppm	TWA: 50 ppm TWA: 188 mg/m³ Skin

Third Party Formulation (TP # 1549156)	TWA: 20 ppm TWA: 97 mg/m³	TWA: 20 ppm	TWA: 20 ppm	TWA: 20 ppm TWA: 97 mg/m³

Other Exposure Guidelines Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992). See section 15 for national exposure control parameters.

Appropriate engineering controls

Engineering controls Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection Tight sealing safety goggles.

Hand protection Impervious gloves. Wear suitable gloves.

Skin and body protection Wear suitable protective clothing. Long sleeved clothing. Chemical resistant apron. Antistatic boots.

Respiratory protection No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Liquid spray; Aerosol
Appearance	Clear
Odor	No information available
Color	No information available
Odor Threshold	No data available

Property	**Values**	**Remarks Method**
pH	UNKNOWN	
Melting / freezing point	No data available	None known
Boiling point / boiling range	No data available	None known
Flash Point	No data available	None known
Evaporation Rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limit in Air		None known
Upper flammability limit	No data available	
Lower flammability limit	No data available	
Vapor pressure	No data available	None known
Vapor density	No data available	None known
Relative density	No data available	None known
Water Solubility	Insoluble in water	
Solubility(ies)	No data available	None known
Partition coefficient: n-octanol/water	0	
Autoignition temperature	No data available	None known

Decomposition temperature	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known

Other Information

Explosive properties	No information available
Oxidizing properties	No information available
Softening Point	No information available
Molecular Weight	No information available
VOC Content (%)	No information available
Liquid Density	No information available
Bulk Density	No information available
Particle Size	No information available
Particle Size Distribution	No information available

10. STABILITY AND REACTIVITY

Reactivity No information available.

Chemical stability Stable under normal conditions.

Possibility of Hazardous Reactions None under normal processing.

Hazardous Polymerization Hazardous polymerization does not occur.

Conditions to avoid Heat, flames and sparks. Excessive heat.

Incompatible materials None known based on information supplied.

Hazardous Decomposition Products Carbon oxides.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation Specific test data for the substance or mixture is not available. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. Aspiration into lungs can produce severe lung damage. May cause pulmonary edema. Pulmonary edema can be fatal. May cause irritation of respiratory tract. May cause drowsiness or dizziness.

Eye contact Specific test data for the substance or mixture is not available. May cause irritation. Causes serious eye irritation. (based on components). May cause redness, itching, and pain.

Skin contact Specific test data for the substance or mixture is not available. Repeated exposure may cause skin dryness or cracking. May cause irritation. Prolonged contact may cause redness and irritation. May be harmful in contact with skin.

Ingestion Specific test data for the substance or mixture is not available. Potential for aspiration if swallowed. May cause lung damage if swallowed. Aspiration may cause pulmonary edema and pneumonitis. May be fatal if swallowed and enters airways. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Difficulty in breathing. Coughing and/ or wheezing. Dizziness. May cause redness and tearing of the eyes. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

Numerical measures of toxicity

Acute Toxicity

The following values are calculated based on chapter 3.1 of the GHS document .

ATEmix (oral) 4,856.70 mg/kg
ATEmix (dermal) 2,203.80 mg/kg
ATEmix (inhalation-dust/mist) 48.63 mg/L
ATEmix (inhalation-vapor) 214.20 mg/L

Unknown acute toxicity 90.59973 % of the mixture consists of ingredient(s) of unknown toxicity
56.97093 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
90.59973 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
66.72853 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
72.61473 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)
45.19303 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Third Party Formulation (TP # 1549156)	= 5800 mg/kg (Rat)	> 15700 mg/kg (Rabbit)	= 50100 mg/m³ (Rat) 8 h
Third Party Formulation (TP # 1549156)	-	-	> 800000 ppm (Rat) 15 min
Third Party Formulation (TP # 1549156)	-	-	= 658 g/m³ (Rat) 4 h
Third Party Formulation (TP # 1549156)	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 5.2 mg/L (Rat) 4 h
Third Party Formulation (TP # 1549156)	= 25 g/kg (Rat)	= 3000 mg/kg (Rabbit)	= 48000 ppm (Rat) 4 h
Third Party Formulation (TP # 1549156)	> 5000 mg/kg (Rat)	> 3160 mg/kg (Rabbit)	= 73680 ppm (Rat) 4 h
Third Party Formulation (TP # 1549156)	= 2600 mg/kg (Rat)	= 12000 mg/kg (Rabbit)	= 12.5 mg/L (Rat) 4 h
Third Party Formulation (TP # 1549156)	= 470 mg/kg (Rat)	= 435 mg/kg (Rabbit)	= 450 ppm (Rat) 4 h = 486 ppm (Rat) 4 h
Third Party Formulation (TP # 1549156)	= 8400 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	= 3400 ppm (Rat) 4 h
Third Party Formulation (TP # 1549156)	= 3280 mg/kg (Rat)	> 3160 mg/kg (Rabbit)	= 18 g/m³ (Rat) 4 h

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation May cause skin irritation.

Serious eye damage/eye irritation Classification based on data available for ingredients. Causes serious eye irritation.

Respiratory or skin sensitization No information available.

Germ cell mutagenicity Contains a known or suspected mutagen. Classification based on data available for ingredients. May cause genetic defects.

Carcinogenicity Contains a known or suspected carcinogen. Classification based on data available for ingredients. May cause cancer.

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	ACGIH	IARC	NTP	OSHA
Third Party Formulation (TP # 1549156)	-	Group 3	-	-
Third Party Formulation (TP # 1549156)	A3	Group 3	-	-

Legend

ACGIH (American Conference of Governmental Industrial Hygienists)
A3 - Animal Carcinogen
IARC (International Agency for Research on Cancer)
Group 3 - Not Classifiable as to Carcinogenicity in Humans

Reproductive toxicity Contains a known or suspected reproductive toxin. Classification based on data available for ingredients. Suspected of damaging fertility or the unborn child.

STOT - single exposure May cause drowsiness or dizziness.

STOT - repeated exposure May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard May be fatal if swallowed and enters airways.

12. ECOLOGICAL INFORMATION

Ecotoxicity Harmful to aquatic life with long lasting effects.

Chemical name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Third Party Formulation (TP # 1549156)	-	96h LC50: = 8300 mg/L (Lepomis macrochirus) 96h LC50: 4.74 - 6.33 mL/L (Oncorhynchus mykiss) 96h LC50: 6210 - 8120 mg/L (Pimephales promelas)	EC50 = 14500 mg/L 15 min	48h EC50: 10294 - 17704 mg/L 48h EC50: 12600 - 12700 mg/L
Third Party Formulation (TP # 1549156)	-	96h LC50: = 45 mg/L (Pimephales promelas) 96h LC50: = 2.2 mg/L (Lepomis macrochirus) 96h LC50: = 2.4 mg/L (Oncorhynchus mykiss)	-	96h LC50: = 4720 mg/L
Third Party Formulation (TP # 1549156)	-	96h LC50: 2.1 - 2.98 mg/L (Pimephales promelas)	-	24h EC50: > 1000 mg/L
Third Party Formulation (TP # 1549156)	-	96h LC50: = 8.41 mg/L (Oncorhynchus mykiss)	-	96h LC50: = 2.6 mg/L
Third Party Formulation (TP # 1549156)	72h EC50: = 12.5 mg/L (Pseudokirchneriella subcapitata) 96h EC50: > 433 mg/L (Pseudokirchneriella subcapitata)	96h LC50: = 54 mg/L (Oryzias latipes) 96h LC50: = 12.6 mg/L (Pimephales promelas) 96h LC50: 5.89 - 7.81 mg/L (Oncorhynchus mykiss) 96h LC50: 15.22 - 19.05 mg/L	EC50 = 19.7 mg/L 30 min	48h EC50: = 11.5 mg/L 48h EC50: 5.46 - 9.83 mg/L

		(Pimephales promelas) 96h LC50: 50.87 - 70.34 mg/L (Poecilia reticulata) 96h LC50: = 5.8 mg/L (Oncorhynchus mykiss) 96h LC50: 14.1 - 17.16 mg/L (Oncorhynchus mykiss) 96h LC50: = 28.2 mg/L (Poecilia reticulata) 96h LC50: 11.0 - 15.0 mg/L (Lepomis macrochirus)		
Third Party Formulation (TP # 1549156)	-	96h LC50: = 1490 mg/L (Lepomis macrochirus) 96h LC50: = 2950 mg/L (Lepomis macrochirus)	-	24h EC50: 1698 - 1940 mg/L 48h EC50: > 1000 mg/L
Third Party Formulation (TP # 1549156)	-	96h LC50: = 9.22 mg/L (Oncorhynchus mykiss)	-	48h EC50: = 6.14 mg/L
Third Party Formulation (TP # 1549156)	-	96h LC50: 7.19 - 8.28 mg/L (Pimephales promelas)	-	48h EC50: = 6.14 mg/L

Persistence and Degradability No information available.

Component Information			
Third Party Formulation (TP # 1549156)			
Method	Value	Exposure time	Results
OECD Test No. 301B: Ready Biodegradability: CO2 Evolution Test (TG 301 B)			

Bioaccumulation

Component Information

Chemical name	Log Pow
Third Party Formulation (TP # 1549156)	-0.24
Third Party Formulation (TP # 1549156)	2.3
Third Party Formulation (TP # 1549156)	2.89
Third Party Formulation (TP # 1549156)	2.7
Third Party Formulation (TP # 1549156)	0.81
Third Party Formulation (TP # 1549156)	3.63

Mobility No information available.

Other adverse effects No information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste from residues/unused products Should not be released into the environment. Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Do not reuse empty containers.

US EPA Waste Number D001 D018

Chemical name	RCRA - Halogenated Organic Compounds	RCRA - P Series Wastes	RCRA - F Series Wastes	RCRA - K Series Wastes
Third Party Formulation (TP # 1549156)			Toxic waste waste number F025 Waste description: Condensed light ends, spent filters and filter aids, and spent desiccant wastes from the production of certain chlorinated aliphatic hydrocarbons, by free radical catalyzed processes. These chlorinated aliphatic hydrocarbons are those having carbon chain lengths ranging from one to and including five, with varying amounts and positions of chlorine substitution.	

California Waste Codes 331

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical name	California Hazardous Waste
Third Party Formulation (TP # 1549156)	Ignitable
Third Party Formulation (TP # 1549156)	Toxic Ignitable
Third Party Formulation (TP # 1549156)	Toxic Ignitable
Third Party Formulation (TP # 1549156)	Toxic

14. TRANSPORT INFORMATION

DOT

Proper Shipping Name CONSUMER COMMODITY
Hazard Class ORM-D
Description CONSUMER COMMODITY, ORM-D
Emergency Response Guide Number 126

TDG

UN-No. UN1950
Proper Shipping Name AEROSOLS
Hazard Class 2.1
Description UN1950, AEROSOLS, 2.1

MEX

UN-No. UN1950
Proper Shipping Name AEROSOLS

Hazard Class	2.1
Description	UN1950, AEROSOLS, 2.1

ICAO

UN-No.	UN1950
Proper Shipping Name	AEROSOLS
Hazard Class	2.1
Description	UN1950, AEROSOLS, 2.1

IATA

UN-No.	UN1950
Proper Shipping Name	AEROSOLS, FLAMMABLE
Hazard Class	2.1
Description	UN1950, AEROSOLS, FLAMMABLE, 2.1

IMDG/IMO

UN-No.	UN1950
Proper Shipping Name	AEROSOLS
Hazard Class	2.1
EmS-No.	F-D, S-U
Description	UN1950, AEROSOLS, 2.1

RID

UN-No.	UN1950
Proper Shipping Name	AEROSOLS
Hazard Class	2.1
Classification code	5F
Description	UN1950, AEROSOLS, 2.1
ADR/RID-Labels	2.1

ADR

UN-No.	UN1950
Proper Shipping Name	AEROSOLS
Hazard Class	2.1
Classification code	5F
Description	UN1950, AEROSOLS, 2.1, (D)

ADN

UN-No.	UN1950
Proper Shipping Name	AEROSOLS
Hazard Class	2.1
Classification code	5F
Special Provisions	190, 327, 344, 625
Description	UN1950, AEROSOLS, 2.1
Hazard Labels	2.1
Limited Quantity	1 L
Ventilation	VE01, VE04

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

International Regulations

The Montreal Protocol on Substances that Deplete the Ozone Layer Not applicable

The Stockholm Convention on Persistent Organic Pollutants Not applicable

The Rotterdam Convention Not applicable

International Inventories

TSCA	Contact supplier for inventory compliance status.
DSL/NDSL	Contact supplier for inventory compliance status.
EINECS/ELINCS	Contact supplier for inventory compliance status.
ENCS	Contact supplier for inventory compliance status.
KECL	Contact supplier for inventory compliance status.
PICCS	Contact supplier for inventory compliance status.
AICS	Contact supplier for inventory compliance status.

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical name	CAS No.	Weight-%	SARA 313 - Threshold Values %
Third Party Formulation (TP # 1549156) -		0 - 10%	1.0
Third Party Formulation (TP # 1549156) -		0 - 10%	1.0
Third Party Formulation (TP # 1549156) -		0 - 10%	1.0
Third Party Formulation (TP # 1549156) -		0 - 10%	1.0

SARA 311/312 Hazard Categories

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications. Under the amended regulations at 40 CFR 370, EPCRA 311/312 Tier II reporting for the 2017 calendar year will need to be consistent with updated hazard classifications.

CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Third Party Formulation (TP # 1549156)	1000 lb	X	X	X

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
Third Party Formulation (TP # 1549156)	5000 lb		RQ= 2270 kg final RQ RQ= 5000 lb final RQ
Third Party Formulation (TP # 1549156)	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ

Third Party Formulation (TP # 1549156)	1000 lb		RQ 1000 lb final RQ RQ 454 kg final RQ

US State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals.

Chemical name	California Proposition 65
Third Party Formulation (TP # 1549156) -	Male Reproductive
Third Party Formulation (TP # 1549156) -	Developmental
Third Party Formulation (TP # 1549156) -	Carcinogen
Third Party Formulation (TP # 1549156) -	carcinogen, 10/1/1988 (airborne particles of respirable size)
Third Party Formulation (TP # 1549156) -	Developmental
Third Party Formulation (TP # 1549156) -	carcinogen, 4/6/2010
Third Party Formulation (TP # 1549156) -	Carcinogen Developmental Male Reproductive
Third Party Formulation (TP # 1549156) -	carcinogen, 4/19/2002

U.S. State Right-to-Know Regulations

This product may contain substances regulated by state right-to-know regulations.

Chemical name	New Jersey	Massachusetts	Pennsylvania	Rhode Island	Illinois
Third Party Formulation (TP # 1549156)	X	X	X	X	
Third Party Formulation (TP # 1549156)	X	X	X		
Third Party Formulation (TP # 1549156)	X	X	X		
Third Party Formulation (TP # 1549156)	X	X	X	X	X
Third Party Formulation (TP # 1549156)	X	X	X		
Third Party Formulation (TP # 1549156)	X	X	X	X	X
Third Party Formulation (TP # 1549156)	X	X	X	X	X
Third Party Formulation (TP # 1549156)	X	X	X	X	X

16. OTHER INFORMATION

NFPA	**Health hazards** 2	**Flammability** 4	**Instability** 0	**Physical and Chemical Properties** -
HMIS	**Health hazards** 2 *	**Flammability** 4	**Physical hazards** 0	**Personal Protection** X

Chronic Hazard Star Legend	** = Chronic Health Hazard*
Prepared By	Product Stewardship 23 British American Blvd. Latham, NY 12110 1-800-572-6501
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Revision Date	02-Dec-2019
Revision Note	No information available

Disclaimer

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End of Safety Data Sheet