



Certificate Of Conformance

To: Manager, Quality Assurance

Cust# 43554	
Name: PETROFLEX	City: GAINESVILLE
State TX:	Country: UNITED STATES

Sc Code: 85167

Customer Part No.

Description: ORANGE FR HMF

Date QA: 8/28/2014 11:55:24AM QA Tech: TALLEN

Lot#: 3896172

Std Lot#:

Test	Result	Low Range	High Range	Target	Method	Uom
CIELAB DE	0.13	0.00	1.00	0.00	8.2.4-004, 8.2.4-096	CIE UNITS
DA	-.05	0.00	0.00	0.00	PER SCC WORK INSTRUCTION	CIE UNITS
DB	-.01	0.00	0.00	0.00	PER SCC WORK INSTRUCTION	CIE UNITS
DC	-.05	0.00	0.00	0.00	PER SCC WORK INSTRUCTION	CIE UNITS
DL	-.12	0.00	0.00	0.00	PER SCC WORK INSTRUCTION	CIE UNITS
E-MAIL COA TO CUSTOMER	EMAIL COA/COC	N/A	N/A	N/A	PER SCC WORK INSTRUCTION	
Film	ok	N/A	N/A	N/A	PER SCC WORK INSTRUCTION	
Heavy Metal Free-XRAY	ok	N/A	N/A	N/A	PER SCC WORK INSTRUCTION	
Moisture	0.03	0.00	0.20	0.00	8.2.4-088	%
# of Pellets/Gram	62.00	50.00	70.00	60.00	8.2.3-004	PEL/GM
Plaque W/O White	ok	N/A	N/A	N/A	PER SCC WORK INSTRUCTION	
Strength (STR)	101.00	95.00	105.00	100.00	8.2.4-004, 8.2.4-096	%

For questions or more information contact William Lumpkin . at 770.464.3362 x 1238 . wlumpkin@standridgecolor.com

Important: Due to variables in customer's processes, Standridge Color Corporation can not be liable for end use products. While Standridge Color strives to provide quality products, our customers must be aware of the possibility that some colorants may have problems in final applications. It will be the customer's responsibility to subject end use products to practical tests to assure quality in each application. Some pigments used may have a tendency to migrate, and should be subjected to migration tests to demonstrate non-migration of the colorant from the finished product. Migration is only one example of how application might change the product.

Material Safety Data Sheet for SCC CODE : 11SAM08259**Section 1. Chemical Product and Company Identification**

Print Date: 11-03-2011

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Description:
FLAME RETARDANT

Revision Date
10-19-2011

HMIS (Hazardous Materials Identification System) Rating:
0=Minimal, 1=Slight, 2=Moderate, 3=Serious, 4=Extreme (* designates chronic hazard)

SCC CODE: 11SAM08259

VENDOR CODE: 11SAM08259

Manufacturer's Name: Standridge Color Corporation**Address: 1196 East Hightower Trail, Social Circle, Georgia 30025****Emergency Phone: 770-464-3362****Phone: 770-464-3362****Fax: 770-464-2202****Section 2. Composition, Information on Hazardous Ingredients**

Chemical Common Name	Cas Number	OSHA PEL	ACGIH TLV	OTHER	PERCENT	mm Hg @ TEMP	NTP	IARC	OSHA	PROP65	TSCA 313
>96% 1,1'-(ETHANE-1,2-DIYL)BIS[PENTABROMOBENZENE]	84852-53-9	15MG/M3T WA	10MG/M3T WA		P/PRIETARY		N	N	N	N	Y
ANTIMONY OXIDE	1309-64-4	.5MG/M3 TWA	.5MG/M3 TWA	Sb	P/PRIETARY		N	Y	N	Y	Y Y
METAL OXIDE(99.8% Sb2O3,0.08% As)	MIXTURE		.5MG/M3		10		Y	Y	Y	N	Y Y

Contains traceable quantities of chemicals listed under California Prop.65.It

contains chemicals for annual reporting under SARA/TITLE III (313)TCL. Components are on the TSCA list. Regulated under 311-312. Antimony cmpds.

This product contains chemical(s) known to the State of California to cause cancer and/or birth defects or other reproductive harm

Section 3. Hazards Identification**INHALATION SIGNS AND SYMPTOMS OF EXPOSURE**

Dust or fumes may be irritating to respiratory tract, eyes, and skin.

SKIN AND EYE CONTACT SIGNS AND SYMPTOMS OF EXPOSURE

Dust or fumes may be irritating eyes, and skin.

SKIN ABSORPTION SIGNS AND SYMPTOMS OF EXPOSURE

Normally not absorbed.

INGESTION SIGNS AND SYMPTOMS OF EXPOSURE

Antimony and arsenic are considered toxic. Exposure not expected in encapsulated product under normal industrial use.

CARCINOGENICITY

Components considered to be carcinogenic by NTP, IARC, or OSHA. Some carcinogenic components may be below de minimis quantities-see Section II.

Antimony Trioxide is classified as Class 2B by IARC, sufficient evidence in

Material Safety Data Sheet for SCC CODE : 11SAM08259

CARCINOGENICITY

animal tests (possible human carcinogen) and considered carcinogenic risk by ACGIH and EPA suspected lung carcinogen. Arsenic has been found to be a cancer hazard in humans, causing lung and skin cancer. Arsenic may not be present, refer to section 2 of this msds.

HEALTH HAZARDS (BOTH ACUTE AND CHRONIC)

Emergency and first aid procedures: Molten resins: If molten material comes in contact with the skin, cool under a running stream of water. DO NOT attempt to remove the resin from the skin.

Section 4. First Aid Measures

FIRST AID FOR SKIN

Molten Resins: Remove under running stream of water. Do not attempt to remove resin from skin. Get medical attention.

FIRST AID FOR EYES

This product is a solid. If in eye, remove as one would any foreign object.

FIRST AID FOR INHALATION AND INGESTION

In case of adverse exposure to vapors and/or aerosols formed at elevated temperatures, immediately remove victim from exposure. Administer artificial respiration if breathing stopped. Get medical attention. Ingestion not anticipated.

Section 5. Fire Fighting Measures

<u>Foam</u>	<u>Alcohol Foam</u>	<u>Co2</u>	<u>Dry Chemical</u>	<u>Water Fog</u>	<u>Other</u>	<u>Flash Point</u>	<u>Flash Method</u>
YES	YES	YES	YES	YES	NO	N/A	N/A

SPECIAL FIREFIGHTING PROCEDURE

Standard procedures for class A fires.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Product as shipped is not a flammable dust. However, it can be a flammable dust when fines less than 200 mesh are suspended in air.

Section 6. Accidental Release Measure

ACCIDENTAL RELEASE MEASURES

Sweep up spilled material for use or disposal. May be hazardous to aquatic life if released to waters. Evaluate any discharge.

Section 7. Handling and Storage

HANDLING AND STORAGE

Keep away from sparks and open flame. Store in a sprinklered warehouse.

VENTILATION (LOCAL EXHAUST, MECHANICAL, SPECIAL, OTHER)

Recommended over extruders.

OTHER PRECAUTIONS

Use local ventilation.

Section 8. Exposure Controls, Personal Protection

RESPIRATORY PROTECTION

Appropriate respirator selected and used in accordance with OSHA Subpart I (29 CFR 1910.134) required when exposure to airborne contaminant is likely to exceed limits for nuisance dusts.

VENTILATION

Recommended over extruders.

PROTECTIVE GLOVES

Recommended

EYE PROTECTION

Safety glasses with side shields recommended.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

WORK/HYGIENIC PRACTICES

Use good industrial hygiene practices.

Section 9. Physical and Chemical Properties

<u>Boiling Range</u>	<u>Vapor Density</u>	<u>Evaporation Rate</u>	<u>Soluable</u>	<u>Tech Shipping Name</u>
N/A	LIGHTER THAN AIR	SLOWER THAN ETHER	NEGLILIBLE	

Section 10. Stability and Reactivity

Material Safety Data Sheet for SCC CODE : 11SAM08259

STABILITY:

STABLE

HAZARDOUS POLYMERIZATION:

WILL NOT OCCUR

INCOMPATIBILITY (MATERIALS TO AVOID):

Strong oxidizing agents

CONDITONS TO AVOID:

Avoid inhaling dust

HAZARDOUS DECOMPOSITION OR BYPRODUCTS:

Thermal decomposition may produce toxic fumes.

11. Toxicological Information

INGESTION

Please refer to section three for any available information on potential effects. None expected from the pellet form.

SKIN

Please refer to section three for any available information on potential health effects.

EYE

Please refer to section three for any available information on potential health effects.

INHALATION

Negligible hazard at ambient temperature. (0-100 Deg F) Vapors and aerosols may be formed at elevated temperatures.

12. Ecological Information

ECOLOGICAL INFORMATION

Plastic pellets are defined by US EPA under the Clean Water Act(40CFR 122.26) as a "SIGNIFICANT MATERIAL" which may require a storm water permit.

13. Disposal Considerations

WASTE DISPOSAL

Dispose of in accordance with local state and federal regulations.

14. Transportation Information

Material Safety Data Sheet for SCC CODE : 11SAM08259

U.S. Department of Transportation (DOT): Not regulated for this mode of transport.
International Maritime Dangerous Goods (IMDG): Not regulated for this mode of transport.
International Air Transportation Authority (IATA): Not regulated for this mode of transport.

15. Regulatory Information

Chemical Common Name Cas Numbe OSHA PEL ACGIH TLV OTHER PERCENT mm Hg @ TEMP NTP IARCOSHAPROP65 TSCA313

16. Other Information

OTHER INFORMATION

The information contained herein is believed to be correct and was obtained from sources believed by Standridge Color to be accurate. However, no guarantee or warranty of any kind expressed or implied is made with respect to the information contained here.(34)

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Frontier Polymers, LLC 600 Belhaven Drive; Allen, TX 75013
PHONE (214) 725 8300 Fax (469) 519 2412

May, 13 2009

PRODUCT NAME: **FPFR001**

Section 1. Product and Company Identification

Product Name: FPFR001

Supplier / Manufacturer:

Frontier Polymers, LLC
600 Belhaven Drive
Allen, TX 75013
Phone: 214 725 8300
Fax: 469 519 2412

Section 2. Composition / Information on Ingredients

CHEMICAL NAME	C.A.S.#	%	TLV	PEL
SD360LDPE		40.0	N/A	N/A
FR 1210		45.0	N/A	N/A
ANTIMONY TMS RED STAR		15.0	N/A	N/A

Section 3. Hazards Identification

THE INGREDIENTS LISTED ABOVE ARE FULLY ENCAPSULATED AND ARE NOT EXPECTED TO CAUSE HAZARDOUS CONDITIONS WHEN PROCESSED IN ACCORDANCE WITH GOOD MANUFACTURING PRACTICES.

This document is prepared pursuant to the OSHA Hazard Communication Standard (29 CFR1910.1200). In addition, other substances not hazardous per this OSHA Standard may be

listed. Where proprietary ingredient shows, the identity may be made available as provided in this standard.

Section 4.. FIRST AID MEASURES

EYES: Irrigate immediately with water for at least 5 minutes.

SKIN: Wash off with soap and water..

INGESTION: If swallowed consult a physician..

INHALATION: Remove to fresh air. If breathing is difficult, give oxygen. If breathing has stopped, provide cardiopulmonary resuscitation and call a physician

Section 5. FIRE FIGHTING MEASURES

FLASH POINT: Not applicable

METHOD USED: Not applicable

FLAMMABLE LIMITS

LFL: Not applicable

UFL: Not applicable

EXTINGUISHING MEDIA: Water, fog, foam, alcohol foam, CO₂, dry chemical.

FIRE AND EXPLOSION HAZARDS: Dense smoke emitted when burned without sufficient oxygen. Accumulation of fine dust particles could pose an explosion hazard.

FIRE FIGHTING EQUIPMENT: Wear positive pressure, self-contained breathing apparatus in any closed space.

Section 6. ACCIDENTAL REALEASE MEASURES

EYE: Solid or dust may cause irritation or corneal injury due to mechanical action.

SKIN CONTACT: Essentially non-irritating to skin. Mechanical injury only.

SKIN ABSORPTION: A single prolonged skin exposure is not likely to result in the material being absorbed through skin in harmful amounts.

INGESTION: May cause choking if swallowed. May cause irritation of gastrointestinal tract.

INHALATION: Avoid vapors when processing. Process below stability limits.

SYSTEMIC & OTHER EFFECTS: No relevant information found.

Section 7. Handling and Storage

Practice reasonable care and caution in handling

Section 8. Exposure Controls / Personal Protection

EXPOSURE GUIDELINE (S): Those listed in 29 CFR.

VENTILATION: Good general ventilation should be sufficient.

RESPIRATORY PROTECTION: If material is dusty, used NIOSH approved dust/mist respirator.

SKIN PROTECTION: No precautions other than clean body-covering clothing should be needed.

EYE PROTECTION: Use safety glasses.

Section 9. Physical and Chemical properties

BOILING POINT: Not applicable

VAP PRESSURE: Not applicable

VAP DENSITY: Not applicable

SOL. IN WATER: Nil

SP. GRAVITY: 0.90 - 2.2

APPEARANCE: Strand, diced, or underwater cut.

ODOR: Slight odor

Section 10. Stability and Reactivity

STABILITY: (CONDITIONS TO AVOID) Temperatures over 572⁰ F., 300⁰ C. will release combustible gases.

INCOMPATIBILITY: (SPECIFIC MATERIALS TO AVOID) None

HAZARDOUS DECOMPOSITION PRODUCTS: Combustible gasses when exposed to temperatures over 572⁰ F., 300⁰ C.

HAZARDOUS POLYMERIZATION: Will not occur.

Section 11. Toxicological Information

See information for its components

Section 12. Ecological Information

See information for its components

Section 13. Disposal Considerations

ACTION TO TAKE FOR SPILLS/LEAKS: Sweep up and discard

DISPOSAL METHOD: Bury in landfill or burn in an adequate incinerator in accordance with applicable local, state, and federal regulations.

Section 14. Transportation Information

DEPARTMENT OF TRANSPORTATION(DOT):
DOT HAZARD CLASS: Not Regulated
DOT IDENTIFICATION NUMBER: Not Available

Section 15. Regulatory Information

TSCA: All components are listed in the TSCA Inventory.

RCRA: Not a hazardous waste under RCRA(40 CFR 261)

SARA TITLE III: This product does not contain 313 reportable ingredients.

Frontier Polymers, LLC 600 Belhaven Drive; Allen, TX 75013
PHONE (214) 725 8300 Fax 469 519 2412

February 15, 2010

16. Other information

The information contained herein are based upon data believed to be correct. However no guarantee or warranty of any kind either expressed or implied is Made with respect to the information contained herein. We assume no Responsibility for any loss, damage, or expense, direct or indirect, arising out of It's use.

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