Safety Data Sheet

B920FS
Bost 920FS Product Series

Revision Date 03-Sep-2015
Supersedes Date: No information available
Version 1.01

SECTION 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1. Product Identifier

Product Name Bost 920FS Product Series
Product Code B920FS

Product(s) Covered

A19218	BOST 920FS WHITE	24/10.1
A25615	BOST 920FS BLACK	24/10.1
A25615-95L	BS920FS/BLK/DRM/52GL/VRWTLB/3P	

1.2. Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Recommended use No information available.
Uses Advised Against No information available

1.3. Details of the Supplier of the Safety Data Sheet

Company Name
Bostik, Inc.
11320 W. Watertown Plank Road
Wauwatosa, Wisconsin 53226 USA
Phone: +1 (800) 843-0844 (Domestic Toll Free)
Phone: +1 (414) 774-2250 (International)
Fax: +1 (414) 774-8075
Email: msds@bostik-us.com

1.4. Emergency Telephone Number

Emergency Telephone Telephone: 1-800-227-0332
(Outside U.S.) 1-703-527-3887

SECTION 2: Hazards Identification

2.1. Classification of the Substance or Mixture

Respiratory sensitization	Category 1
Skin sensitization	Category 1
Carcinogenicity	Category 2
Flammable Liquids	Category 4

2.2. Label Elements

EMERGENCY OVERVIEW

DANGER

Hazard Statements
May cause allergy or asthma symptoms or breathing difficulties if inhaled
May cause an allergic skin reaction
Suspected of causing cancer
Combustible liquid

Appearance No information available **Physical State** Liquid **Odor** Solvent

Precautionary Statements - Prevention
Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Use personal protective equipment as required
Avoid breathing dust/fume/gas/mist/vapors/spray
In case of inadequate ventilation wear respiratory protection
Contaminated work clothing should not be allowed out of the workplace
Wear protective gloves
Keep away from heat/sparks/open flames/hot surfaces. — No smoking

Precautionary Statements - Response
IF exposed or concerned: Get medical advice/attention
Specific treatment (see first aid measures on this label)
IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
In case of fire: Use CO2, dry chemical, or foam to extinguish.

Precautionary Statements - Storage
Store locked up
Store in a well-ventilated place. Keep cool

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

Hazards Not Otherwise Classified (HNOC)
Not applicable

Unknown Toxicity
53.65% of the mixture consists of ingredient(s) of unknown toxicity

2.3. Other Information

Causes mild skin irritation.

SECTION 3: Composition/Information on Ingredients

3.1 Substances
Not applicable

3.2 Mixtures

Chemical Name	CAS No	Weight-%
Polyvinyl chloride	9002-86-2	10 - 30
Limestone	1317-65-3	5 - 10
Titanium dioxide	13463-67-7	1 - 5

Propylene carbonate	108-32-7	1 - 5
m-Xylene	108-38-3	1 - 5
Benzenesulfonyl isocyanate, 4-methyl-	4083-64-1	0.1 - 1
p-Xylene	106-42-3	0.1 - 1
Carbon black	1333-86-4	0.1 - 1
Isophorone diisocyanate	4098-71-9	0.1 - 1
Ethylbenzene	100-41-4	0.1 - 1

*The exact percentage (concentration) of composition has been withheld as a trade secret.

SECTION 4: First Aid Measures

4.1. Description of First Aid Measures

General Advice If symptoms persist, call a physician.

Eye Contact Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.

Skin Contact Immediate medical attention is not required. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation persists, call a physician.

Inhalation Immediate medical attention is not required. If symptoms persist, call a physician. Move to fresh air in case of accidental inhalation of vapors or decomposition products.

Ingestion Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Call a physician. Do NOT induce vomiting.

Self-protection of the First Aider Use personal protective equipment as required.

4.2. Most Important Symptoms and Effects, Both Acute and Delayed

Symptoms No information available.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

Note to Physicians Treat symptomatically.

4.4. Reference to Other Sections

Reference to Other Sections SECTION 8: Exposure controls/personal protection
SECTION 11: Toxicological Information

SECTION 5: Fire Fighting Measures

5.1. Extinguishing Media

Suitable Extinguishing Media
Use. Dry chemical. Carbon dioxide (CO2). Water spray (fog). Alcohol resistant foam.

Unsuitable Extinguishing Media
CAUTION: Use of water spray when fighting fire may be inefficient.

5.2. Special Hazards Arising from the Substance or Mixture

Specific Hazards Arising from the Chemical
Keep product and empty container away from heat and sources of ignition. Risk of ignition.

Explosion Data

Sensitivity to Mechanical Impact	None.
Sensitivity to Static Discharge	None.

5.3. Advice for Firefighters

Protective Equipment and Precautions for Firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

SECTION 6: Accidental Release Measures

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions Use personal protective equipment as required. Remove all sources of ignition. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Pay attention to flashback. Take precautionary measures against static discharges.

6.2. Environmental Precautions

Environmental Precautions Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. See Section 12 for additional Ecological Information.

6.3. Methods and Material for Containment and Cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Cleaning up Soak up with inert absorbent material. Dam up. Pick up and transfer to properly labeled containers. Take precautionary measures against static discharges.

6.4. Reference to other sections

Reference to Other Sections SECTION 8: Exposure controls/personal protection
SECTION 7: Handling and Storage
SECTION 13: Disposal Considerations

SECTION 7: Handling and Storage

7.1. Precautions for Safe Handling

Advice on Safe Handling Use with local exhaust ventilation. All equipment used when handling the product must be grounded. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Use personal protective equipment as required. Do not breathe dust/fume/gas/mist/vapors/spray. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors).

7.2. Conditions for Safe Storage, including any Incompatibilities

Storage Conditions Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep containers tightly closed in a cool, well-ventilated place. Keep away from heat. Keep in properly labeled containers.

Incompatible Materials None known based on information supplied.

7.3. Specific End Use(s)

Other Information No information available.

7.4. References to Other Sections

Reference to Other Sections SECTION 13: Disposal Considerations
SECTION 10: Stability and Reactivity

SECTION 8: Exposure controls/personal protection

8.1. Control Parameters

Exposure Guidelines . As Titanium dioxide (13463-67-7) is inextricably bound in the polymer matrix, it is not expected to be available as an airborne hazard (dust, mist, or spray) under normal condition of uses. As Carbon black (1333-86-4) is inextricably bound in the polymer matrix, it is not expected to be available as an airborne hazard (dust, mist, or spray) under normal condition of uses.

Chemical Name	ACGIH TLV	NIOSH IDLH	OSHA PEL	Mexico
Polyvinyl chloride 9002-86-2	TWA: 1 mg/m³ respirable fraction	-	-	-
Limestone 1317-65-3	-	TWA: 10 mg/m³ total dust TWA: 5 mg/m³ respirable dust	TWA: 15 mg/m³ total dust TWA: 5 mg/m³ respirable fraction	TWA: 10 mg/m³ STEL: 20 mg/m³
Titanium dioxide 13463-67-7	TWA: 10 mg/m³	IDLH: 5000 mg/m³	TWA: 15 mg/m³ total dust	TWA: 10 mg/m³ STEL: 20 mg/m³
m-Xylene 108-38-3	STEL: 150 ppm TWA: 100 ppm	IDLH: 900 ppm TWA: 100 ppm TWA: 435 mg/m³ STEL: 150 ppm STEL: 655 mg/m³	-	TWA: 100 ppm TWA: 435 mg/m³ STEL: 150 ppm STEL: 655 mg/m³
p-Xylene 106-42-3	STEL: 150 ppm TWA: 100 ppm	IDLH: 900 ppm TWA: 100 ppm TWA: 435 mg/m³ STEL: 150 ppm STEL: 655 mg/m³	-	TWA: 100 ppm TWA: 435 mg/m³ STEL: 150 ppm STEL: 655 mg/m³
Carbon black 1333-86-4	TWA: 3 mg/m³ inhalable fraction	IDLH: 1750 mg/m³ TWA: 3.5 mg/m³ TWA: 0.1 mg/m³ Carbon black in presence of Polycyclic aromatic hydrocarbons PAH	TWA: 3.5 mg/m³	TWA: 3.5 mg/m³ STEL: 7 mg/m³
Isophorone diisocyanate 4098-71-9	TWA: 0.005 ppm	TWA: 0.005 ppm TWA: 0.045 mg/m³ STEL: 0.02 ppm STEL: 0.180 mg/m³	-	TWA: 0.01 ppm TWA: 0.09 mg/m³
Ethylbenzene 100-41-4	TWA: 20 ppm	IDLH: 800 ppm TWA: 100 ppm TWA: 435 mg/m³ STEL: 125 ppm STEL: 545 mg/m³	TWA: 100 ppm TWA: 435 mg/m³	TWA: 100 ppm TWA: 435 mg/m³ STEL: 125 ppm STEL: 545 mg/m³

Chemical Name	Argentina	Brazil	Chile	Venezuela
Limestone 1317-65-3	TWA: 10 mg/m³	-	TWA: 8 mg/m³	-
Titanium dioxide 13463-67-7	TWA: 10 mg/m³	-	-	TWA: 10 mg/m³
m-Xylene 108-38-3	TWA: 100 ppm STEL: 150 ppm	-	-	Skin STEL: 150 ppm TWA: 100 ppm
p-Xylene 106-42-3	TWA: 100 ppm STEL: 150 ppm	-	-	Skin STEL: 150 ppm TWA: 100 ppm
Carbon black	TWA: 3.5 mg/m³	-	-	TWA: 3.5 mg/m³

1333-86-4				
Isophorone diisocyanate 4098-71-9	TWA: 0.005 ppm	-	-	TWA: 0.005 ppm
Ethylbenzene 100-41-4	TWA: 100 ppm STEL: 125 ppm	TWA: 78 ppm TWA: 340 mg/m^3	TWA: 80 ppm TWA: 348 mg/m^3	Skin STEL: 125 ppm TWA: 100 ppm

8.2. Exposure Controls

Engineering Controls Showers
Eyewash stations
Ventilation systems.

Personal protective equipment [PPE]

Eye/Face Protection Tight sealing safety goggles.

Skin and Body Protection Wear suitable chemical resistant gloves. The selection of suitable gloves does not only depend on the material, but also on further marks of quality and various manufacturers.

Respiratory Protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

General Hygiene Considerations When using do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended.

SECTION 9: Physical and Chemical Properties

9.1. Information on Basic Physical and Chemical Properties

Physical State	Liquid
Color	Multiple Colors
Odor	Solvent
Odor Threshold	No information available

Property	**Values**	**Remarks • Method**
pH	No information available	
Melting Point/Freezing Point	No information available	
Boiling Point	No information available	
Flash Point	71.1 °C / 160 °F	
Evaporation Rate	No information available	
Flammability (solid, gas)	No information available	
Flammability Limit in Air		
Upper Flammability Limit	No information available	
Lower Flammability Limit	No information available	
Vapor Pressure	No information available	
Vapor Density	No information available	
Specific Gravity	No information available	
Water Solubility	No information available	
Solubility in Other Solvents		
Partition Coefficient	No information available	
Autoignition Temperature	No information available	
Decomposition Temperature	No information available	
Kinematic Viscosity	No information available	
Dynamic Viscosity	No information available	
Explosive Properties	No information available	
Oxidizing Properties	No information available	

9.2. Other Information

Softening Point	No information available
Molecular Weight	No information available
Solvent Content (%)	No information available
Solid Content (%)	96
Density	1.19-1.23 g/cm³
VOC	2.7 %

SECTION 10: Stability and Reactivity

10.1. Reactivity

None under normal use conditions.

10.2. Chemical Stability

Stable under recommended storage conditions.

10.3. Possibility of Hazardous Reactions

None under normal processing.

10.4. Conditions to Avoid

Heat, flames and sparks.

10.5. Incompatible Materials

None known based on information supplied.

10.6. Hazardous Decomposition Products

None known based on information supplied.

SECTION 11: Toxicological Information

11.1. Information on Toxicological Effects

Product Information	No Data Available
Inhalation	No Data Available.
Eye Contact	No Data Available.
Skin Contact	No Data Available.
Ingestion	No Data Available.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Limestone 1317-65-3	>5000 mg/kg (rat)	-	-
Titanium dioxide 13463-67-7	> 10000 mg/kg (Rat)	-	-
Propylene carbonate 108-32-7	= 29000 mg/kg (Rat)	> 20 mL/kg (Rabbit)	-
m-Xylene 108-38-3	= 5 g/kg (Rat)	= 14100 µL/kg (Rabbit)	-
Benzenesulfonyl isocyanate, 4-methyl- 4083-64-1	= 2234 mg/kg (Rat)	-	> 640 ppm (Rat) 1 h
p-Xylene 106-42-3	= 4029 mg/kg (Rat)	-	= 4550 ppm (Rat) 4 h = 4740 ppm (Rat) 4 h
Carbon black 1333-86-4	> 15400 mg/kg (Rat)	> 3 g/kg (Rabbit)	-
Isophorone diisocyanate	= 4814 mg/kg (Rat)	1060 - 4780 mg/kg (Rabbit)	= 0.135 mg/L (Rat) 4 h

4098-71-9			
Ethylbenzene 100-41-4	= 3500 mg/kg (Rat)	= 15400 mg/kg (Rabbit)	= 1432 mg/L (Rat) 4 h

Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure

Symptoms No information available.
Skin Corrosion/Irritation No information available.
Serious Eye Damage/Eye Irritation No information available.
Irritation No information available.
Corrosivity No information available.
Sensitization No information available.
Germ Cell Mutagenicity No information available.
Reproductive Toxicity No information available.
Developmental Toxicity No information available.
Teratogenicity No information available.
STOT - Single Exposure No information available.
STOT - Repeated Exposure No information available.
Chronic Toxicity May cause adverse effects on the bone marrow and blood-forming system. May cause adverse liver effects.
Target Organ Effects Blood, Central nervous system, Eyes, Gastrointestinal tract (GI), Kidney, Liver, Lungs, Respiratory system, Skin.
Aspiration Hazard No information available.
Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen. As Titanium dioxide (13463-67-7) is inextricably bound in the polymer matrix, it is not expected to be available as an airborne hazard (dust, mist, or spray) under normal condition of uses. As Carbon black (1333-86-4) is inextricably bound in the polymer matrix, it is not expected to be available as an airborne hazard (dust, mist, or spray) under normal condition of uses.

Chemical Name	ACGIH	IARC	NTP	OSHA
Polyvinyl chloride 9002-86-2	-	Group 3	-	-
Titanium dioxide 13463-67-7	-	Group 2B	-	X
m-Xylene 108-38-3	-	Group 3	-	-
p-Xylene 106-42-3	-	Group 3	-	-
Carbon black 1333-86-4	A3	Group 2B	-	X
Ethylbenzene 100-41-4	A3	Group 2B	-	X

ACGIH (American Conference of Governmental Industrial Hygienists)
A3 - Confirmed animal carcinogen with unknown relevance to humans
IARC (International Agency for Research on Cancer)
Group 2B - Possibly Carcinogenic to Humans
Group 3 - Not Classifiable as to Carcinogenicity in Humans
OSHA (Occupational Safety and Health Administration of the US Department of Labor)
X - Present

SECTION 12: Ecological Information

12.1. Toxicity

Chemical Name	Algae/Aquatic Plants	Fish	Toxicity to Microorganisms	Crustacea
Limestone 1317-65-3	CE50 (72h) >200mg/L Algae (Desmondesmus subspicatus)	CL50 (96h)>10000mg/L Fish (Oncorhynchus mykiss)		CE50 (48h) >1000 mg/L Daphnia Magna
Propylene carbonate 108-32-7	EC50 72 h > 500 mg/L (Desmodesmus subspicatus)	LC50 96 h > 1000 mg/L (Cyprinus carpio semi-static) LC50 96 h = 5300 mg/L (Leuciscus idus static)	EC50 > 10000 mg/L 17 h	EC50 48 h > 500 mg/L (Daphnia magna)
m-Xylene 108-38-3	EC50 72 h = 4.9 mg/L (Pseudokirchneriella subcapitata)	LC50 96 h 14.3 - 18 mg/L (Pimephales promelas flow-through) LC50 96 h = 8.4 mg/L (Oncorhynchus mykiss semi-static) LC50 96 h = 12.9 mg/L (Poecilia reticulata semi-static)		EC50 48 h 2.81 - 5.0 mg/L (Daphnia magna Static)
p-Xylene 106-42-3	EC50 72 h = 3.2 mg/L (Pseudokirchneriella subcapitata) EC50 3 h = 105.1 mg/L (Chlorella vulgaris)	LC50 96 h 7.2 - 9.9 mg/L (Pimephales promelas static) LC50 96 h = 2.6 mg/L (Oncorhynchus mykiss) LC50 96 h = 2.6 mg/L (Oncorhynchus mykiss static) LC50 96 h = 8.8 mg/L (Poecilia reticulata semi-static)	EC50 = 5.7 mg/L 30 min	EC50 48 h 3.55 - 6.31 mg/L (Daphnia magna Static)
Carbon black 1333-86-4	>10000 mg/l (Desmodesmus subspicatus) OECD 202	>1000 mg/l (Brachydanio rerio) OCDE 203		EC50 24 h > 5600 mg/L (Daphnia magna)
Isophorone diisocyanate 4098-71-9	EC50 72 h = 118.7 mg/L (Desmodesmus subspicatus)	LC50 48 h = 1.8 mg/L (Leuciscus idus static)		EC50 24 h = 83.7 mg/L (Daphnia magna)
Ethylbenzene 100-41-4	EC50 72 h = 4.6 mg/L (Pseudokirchneriella subcapitata) EC50 96 h > 438 mg/L (Pseudokirchneriella subcapitata) EC50 72 h 2.6 - 11.3 mg/L (Pseudokirchneriella subcapitata) EC50 96 h 1.7 - 7.6 mg/L (Pseudokirchneriella subcapitata)	LC50 96 h 11.0 - 18.0 mg/L (Oncorhynchus mykiss static) LC50 96 h = 4.2 mg/L (Oncorhynchus mykiss semi-static) LC50 96 h 7.55 - 11 mg/L (Pimephales promelas flow-through) LC50 96 h = 32 mg/L (Lepomis macrochirus static) LC50 96 h 9.1 - 15.6 mg/L (Pimephales promelas static) LC50 96 h = 9.6 mg/L (Poecilia reticulata static)	EC50 = 9.68 mg/L 30 min EC50 = 96 mg/L 24 h	EC50 48 h 1.8 - 2.4 mg/L (Daphnia magna)

12.2. Persistence and Degradability

No information available.

12.3. Bioaccumulative Potential

No information available.

12.4. Mobility in Soil

No information available.

12.5 Other adverse effects

No information available

SECTION 13: Disposal Considerations

13.1. Waste Treatment Methods

Disposal of Wastes	It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations
Contaminated Packaging	Dispose of in accordance with federal, state and local regulations

SECTION 14: Transport Information

Note: 49 CFR 173.150(f)(2) "The requirements in this subchapter do not apply to a material classed as a combustible liquid in a non-bulk packaging unless the combustible liquid is a hazardous substance, a hazardous waste, or a marine pollutant."

DOT

UN/ID No	NA1993
Proper Shipping Name	Combustible liquid, n.o.s.
Hazard Class	Combustible liquid
Packing Group	III
Special Provisions	IB3, T1, T4, TP1
Description	NA1993, Combustible liquid, n.o.s. (Xylenes), Combustible liquid, III,
Emergency Response Guide Number	128

IATA Not regulated

IMDG Not regulated

SECTION 15: Regulatory Information

Global Inventories

TSCA	Listed
DSL	Not Listed

Legend:
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL - Canadian Domestic Substances List
Listed - The components of this product are either listed or exempt from listing on inventory.
Not Listed - One or more components of this product are not listed on inventory.

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR

WHMIS Hazard Class
B3 - Combustible liquid
D2A - Very toxic materials

United States of America

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
m-Xylene	108-38-3
Ethylbenzene	100-41-4

California Proposition 65
This product contains one or more of the substances listed on Proposition 65 at or above 0.01 wt. %

Chemical Name	CAS No
1,2-Benzenedicarboxylic acid, di-C9-11-branched alkyl esters, C10-rich	68515-49-1
Titanium dioxide	13463-67-7
Carbon black	1333-86-4
Ethylbenzene	100-41-4
Quartz	14808-60-7

Europe

Restrictions of Use of Hazardous Substances (RoHS) Directive 2011/65/EU
This product does not contain Lead (7439-92-1), Cadmium (7440-43-9), Mercury (7439-97-6), Hexavalent chromium (7440-47-3), Polybrominated biphenyls (PBB), and Polybrominated diphenyl ethers (PBDE) above the regulated limit mentioned in this regulation.

EU-REACH (1907/2006) - Candidate List of Substances of Very High Concern (SVHC) for Authorization in accordance with Article 59
This product does not contain candidate substances of very high concern at a concentration >=0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59)

SECTION 16: Other Information

HMIS **Health Hazards** 2* **Flammability** 2 **Physical Hazards** 0 **Personal Protection** X

Key or Legend to Abbreviations and Acronyms Used in the Safety Data Sheet
No information available

Key Literature References and Sources for Data
No information available

Prepared By	Product Safety & Regulatory Affairs
Revision Date	03-Sep-2015
Revision Note	Not applicable.
Training Advice	No information available
Further Information	No information available

Disclaimer
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End of Safety Data Sheet