Safety Data Sheet

30854703
SUPERTAK F&F 850610 SP

Revision Date 07-Sep-2017
Supersedes Date: 02-Feb-2017
Version 2

Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product Identifier

Product Name SUPERTAK F&F 850610 SP
Product Code 30854703

Product(s) Covered See section 16 for more information

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended use Adhesives.
Uses Advised Against No information available

1.3. Details of the supplier of the safety data sheet

Responsible Party
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

E-mail msds@bostik-us.com

1.4. Emergency telephone number

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

Section 2: HAZARD IDENTIFICATION

2.1. Classification of the substance or mixture

Serious Eye Damage/Eye Irritation	Category 2A
Specific target organ toxicity (single exposure)	Category 3
FLAMMABLE AEROSOLS	Category 1

2.2. Label Elements

EMERGENCY OVERVIEW

DANGER

Hazard statements
Causes serious eye irritation
May cause drowsiness or dizziness
Extremely flammable aerosol

Appearance Aerosol **Physical State** Gas **Odor** Solvent

Precautionary Statements - Prevention
Keep away from heat/sparks/open flames/hot surfaces. — No smoking
Do not spray on an open flame or other ignition source
Pressurized container: Do not pierce or burn, even after use
Avoid breathing dust/fume/gas/mist/vapors/spray
Use only outdoors or in a well-ventilated area
Wear protective gloves/protective clothing/eye protection/face protection
Wash face, hands and any exposed skin thoroughly after handling

Precautionary Statements - Response
IF exposed or concerned: Get medical advice/attention
Call a POISON CENTER or doctor/physician if you feel unwell
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.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

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 122°F (50°C)

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

Hazards Not Otherwise Classified (HNOC)
Not applicable

Unknown acute toxicity
62% 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
Mixture

3.2 Mixtures

Chemical Name	CAS No.	Weight-%
Other components below reportable levels	Proprietary	20 - 40
Acetone	67-64-1	20 - 40
Propane	74-98-6	10 - 20
Butane	106-97-8	10 - 20

Methyl acetate	79-20-9	2.5 - 10
Dimethyl ether	115-10-6	2.5 - 10
n-Heptane	142-82-5	1 - 2.5

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 medical advice is needed, have product container or label at hand. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

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 Wash off immediately with plenty of water. In case of contact with liquefied gas, thaw frosted parts with lukewarm water. If skin irritation persists, call a physician.

Inhalation Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

Ingestion If swallowed, call a poison control center or physician immediately. Rinse mouth.

Self-Protection of the First Aider Use personal protective equipment as required. Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms Drowsiness. Dizziness. Headache. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Irritating to eyes.

4.3. Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically. Keep victim under observation. Symptoms may be delayed.

4.4. Reference to Other Sections

Reference to other sections Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION
Section 11: TOXICOLOGY INFORMATION

Section 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Suitable Extinguishing Media
Water spray (fog). Alcohol resistant foam. Carbon dioxide (CO2). Dry chemical. Move containers from fire area if you can do it without risk. Damaged cylinders should be handled only by specialists.

Unsuitable Extinguishing Media
Strong water jet. Do not use a solid water stream as it may scatter and spread fire.

5.2. Special hazards arising from the substance or mixture

Specific Hazards Arising from the Chemical

This material can accumulate static charge by flow or agitation and can be ignited by static discharge. This product may retain a static electrical charge, which could produce a spark. May be ignited by heat, sparks or flames. Containers may explode when heated. Keep product and empty container away from heat and sources of ignition. Thermal decomposition can lead to release of irritating and toxic gases and vapors. In the event of fire and/or explosion do not breathe fumes.

Hazardous Combustion Products	Carbon monoxide. Carbon dioxide (CO2). Formaldehyde.

Explosion Data

Sensitivity to Mechanical Impact	None.
Sensitivity to Static Discharge	May be ignited by heat, sparks or flames.

5.3. Advice for firefighters

Protective Equipment and Precautions for Firefighters
Move containers from fire area if you can do it without risk. As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Cool containers with flooding quantities of water until well after fire is out. For massive fire, use unmanned hose holders or monitor nozzles; if this is impossible withdraw from area and let fire burn.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal Precautions	CONTENTS UNDER PRESSURE. All equipment used when handling the product must be grounded. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Remove all possible sources of ignition in the surrounding area. Use personal protective equipment as required. Avoid breathing vapors or mists. Do not touch damaged packages or spilled material. Ensure adequate ventilation, especially in confined areas. Use personal protection recommended in Section 8.
OTHER INFORMATION	ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep combustibles (wood, paper, oil, etc) away from spilled material.
For emergency responders	Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

6.2. Environmental precautions

Environmental Precautions	Prevent further leakage or spillage if safe to do so. Prevent entry into waterways, sewers, basements or confined areas. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. 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. Cover with plastic sheet to prevent spreading.
Methods for cleaning up	Use personal protective equipment as required. Use a non-combustible material like vermiculite or sand to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.

6.4. Reference to other sections

Reference to other sections	Section 7: HANDLING AND STORAGE Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION Section 13: DISPOSAL CONSIDERATIONS

Section 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Advice on safe handling Use personal protective equipment as required. Handle in accordance with good industrial hygiene and safety practice. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Pressurized container: Do not pierce or burn, even after use. All equipment used when handling the product must be grounded. CONTENTS UNDER PRESSURE. Do not reuse container. Avoid contact with skin, eyes or clothing. Avoid breathing vapors or mists. Handle substance within a predominantly closed system provided with extract ventilation. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Take precautionary measures against static charges. This material can accumulate static charge by flow or agitation and can be ignited by static discharge. Never pierce, drill, grind, cut, saw or weld any empty container.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Keep locked up and out of reach of children. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Recommended storage temperature. 10 - 35 °C. Observe local regulations / instructions for storage of pressurized containers. Use spark-proof tools and explosion-proof equipment. Do not reuse container. Store away from incompatible materials. See section 10 for more information.

Incompatible Materials Strong oxidizing agents. Acid anhydrides. Strong acids. Halogens.

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 .

Chemical Name	ACGIH TLV	NIOSH IDLH	OSHA PEL	Mexico
Acetone 67-64-1	STEL: 500 ppm TWA: 250 ppm	IDLH: 2500 ppm TWA: 250 ppm TWA: 590 mg/m³	TWA: 1000 ppm TWA: 2400 mg/m³	TWA: 1000 ppm TWA: 2400 mg/m³ STEL: 1260 ppm STEL: 3000 mg/m³
Propane 74-98-6	: See Appendix F: Minimal Oxygen Content, explosion hazard	IDLH: 2100 ppm TWA: 1000 ppm TWA: 1800 mg/m³	TWA: 1000 ppm TWA: 1800 mg/m³	-
Butane 106-97-8	STEL: 1000 ppm explosion hazard	IDLH: 1600 ppm TWA: 800 ppm TWA: 1900 mg/m³	-	TWA: 800 ppm TWA: 1900 mg/m³
Methyl acetate 79-20-9	STEL: 250 ppm TWA: 200 ppm	IDLH: 3100 ppm TWA: 200 ppm TWA: 610 mg/m³ STEL: 250 ppm STEL: 760 mg/m³	TWA: 200 ppm TWA: 610 mg/m³	TWA: 200 ppm TWA: 610 mg/m³ STEL: 250 ppm STEL: 760 mg/m³
n-Heptane 142-82-5	STEL: 500 ppm TWA: 400 ppm	IDLH: 750 ppm Ceiling: 440 ppm 15 min	TWA: 500 ppm TWA: 2000 mg/m³	TWA: 400 ppm TWA: 1600 mg/m³

		Ceiling: 1800 mg/m³ 15 min TWA: 85 ppm TWA: 350 mg/m³		STEL: 500 ppm STEL: 2000 mg/m³

Chemical Name	Argentina	Brazil	Chile	Venezuela
Acetone 67-64-1	TWA: 500 ppm STEL: 750 ppm	TWA: 780 ppm TWA: 1870 mg/m³	TWA: 438 ppm TWA: 1040 mg/m³	STEL: 750 ppm TWA: 500 ppm
Propane 74-98-6	TWA: 2500 ppm	-	-	TWA: 1000 mg/m³ TWA: 1000 ppm
Butane 106-97-8	TWA: 800 ppm	TWA: 470 ppm TWA: 1090 mg/m³	-	TWA: 1000 ppm
Methyl acetate 79-20-9	TWA: 200 ppm STEL: 250 ppm	-	TWA: 175 ppm TWA: 530 mg/m³	STEL: 250 ppm TWA: 200 ppm
Dimethyl ether 115-10-6	-	-	-	TWA: 1000 ppm TWA: 1920 mg/m³
n-Heptane 142-82-5	TWA: 400 ppm STEL: 500 ppm	-	-	STEL: 500 ppm TWA: 400 ppm

8.2. Exposure controls

Engineering Controls Ensure adequate ventilation, especially in confined areas. Showers
Eyewash stations
Ventilation systems.

Personal protective equipment [PPE]

Eye/Face Protection Wear safety glasses with side shields (or goggles).

Skin and Body Protection Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact. 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 Use personal protective equipment as required. When using do not eat, drink or smoke. Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. Take off contaminated clothing and wash it before reuse. Wash hands thoroughly after handling. 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 Gas
Appearance Aerosol
Color Orange
Odor Solvent
Odor Threshold No information available

Property	Values	Remarks • Method
pH	No information available	
Melting point / freezing point	No information available	
Boiling Point	67.1 °C / 152.8 °F	
Flash Point	-104.4 °C / -156 °F	Estimated
Evaporation Rate	No information available	
Flammability (solid, gas)	No information available	
Flammability Limit in Air		

Upper Flammability Limit	11.4%
Lower Flammability Limit	2.2%
Vapor Pressure	No information available
Vapor Density	No information available
Relative Density	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 (%)	34
Density	7.360 LB/GAL
VOC	38.4 %

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.

Hazardous Polymerization Hazardous polymerization does not occur.

10.4. Conditions to avoid

Heating causes rise in pressure with risk of bursting. Keep away from heat, sparks and flames. Incompatible Materials.

10.5. Incompatible materials

Strong oxidizing agents. Acid anhydrides. Strong acids. Halogens.

10.6. Hazardous decomposition products

Formaldehyde. Carbon monoxide. Carbon dioxide (CO2).

Section 11: TOXICOLOGY INFORMATION

11.1. Information on toxicological effects

Product Information No data available
Inhalation May cause drowsiness or dizziness. May cause central nervous system depression with nausea, headache, dizziness, vomiting, and incoordination.
Eye contact Severely irritating to eyes.
Skin Contact No known effect based on information supplied.
Ingestion Not an expected route of exposure.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Acetone 67-64-1	= 5800 mg/kg (Rat)	>15800 mg/Kg (rat)	= 79 mg/l(Rat) 4 h
Propane 74-98-6	-	-	= 658 mg/L (Rat) 4 h
Butane 106-97-8	-	-	= 658 g/m³ (Rat) 4 h
Methyl acetate 79-20-9	> 5 g/kg (Rat)	> 5 g/kg (Rabbit)	= 16000 ppm (Rat) 4 h
Dimethyl ether 115-10-6	-	-	= 164000 ppm (Rat) 4 h
n-Heptane 142-82-5	-	= 3000 mg/kg (Rabbit)	= 103 g/m³ (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 Causes mild skin irritation.
Serious Eye Damage/Eye Irritation Severe eye irritation.
Irritation No information available.
Corrosivity No information available.
Sensitization No information available.
Germ Cell Mutagenicity No information available.
Reproductive Toxicity Product is or contains a chemical which is a known or suspected reproductive hazard. Possible risk of impaired fertility. May cause harm to the unborn child.
Developmental Toxicity No information available.
Teratogenicity No information available.
STOT - Single Exposure May cause drowsiness or dizziness.
STOT - Repeated Exposure No information available.
Chronic Toxicity Avoid repeated exposure.
Target Organ Effects Heart, Central nervous system, Eyes, Respiratory system, Skin.
Aspiration hazard No information available.
Carcinogenicity This product does not contain any carcinogens or potential carcinogens as listed by ACGIH, OSHA, IARC or NTP at or above 0.1 wt%.

Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Chemical Name	Algae/aquatic plants	Fish	Toxicity to Microorganisms	Crustacea

Acetone 67-64-1		LC50 96 h 4.74 - 6.33 mL/L (Oncorhynchus mykiss)	EC50 = 14500 mg/L 15 min	EC50 48 h 10294 - 17704 mg/L (Daphnia magna Static)
Methyl acetate 79-20-9	EC50 72 h > 120 mg/L (Desmodesmus subspicatus)	LC50 96 h 295 - 348 mg/L (Pimephales promelas flow-through) LC50 96 h 250 - 350 mg/L (Brachydanio rerio static)	EC50 = 6000 mg/L 16 h EC50 = 6100 mg/L 30 min	EC50 48 h = 1026.7 mg/L (Daphnia magna)
n-Heptane 142-82-5		LC50 96 h = 375.0 mg/L (Cichlid fish)		EC50 24 h > 10 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: TRANSPORTATION INFORMATION

Note: Per 49 CFR 173.306(a)(3), our aerosol product is considered a Limited Quantity for all modes of transportation and ORM-D no longer applies to the product

DOT

UN/ID No	UN1950
Proper Shipping Name	Aerosols, flammable, (each not exceeding 1L capacity)
Hazard Class	2.1
Packing Group	Not applicable
Special Provisions	N82
Description	UN1950, Aerosols, flammable, (each not exceeding 1 L capacity), 2.1, Limited Quantity
Emergency Response Guide Number	126

IATA

UN/ID No	UN1950
Proper Shipping Name	Aerosols, flammable
Hazard Class	2.1
Packing Group	Not applicable
ERG Code	10L
Special Provisions	A145, A167, A802

Description	UN1950, Aerosols, flammable, 2.1, Limited Quantity

IMDG

UN/ID No	UN1950
Proper Shipping Name	Aerosols, Marine Pollutant
Hazard Class	2.1
Packing Group	Not applicable
EmS-No	F-D, S-U
Special Provisions	63,190, 277, 327, 344, 959
Description	UN1950, Aerosols, 2.1, Marine Pollutant, Limited Quanity

Section 15: REGULATORY INFORMATION

Global Inventories

TSCA	Listed
DSL	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
A - Compressed gases
B5 - Flammable aerosol
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 does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	Yes
Sudden release of pressure hazard	Yes
Reactive Hazard	No

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

Product(s) Covered

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	07-Sep-2017
Revision Note	SDS sections updated, 1, 2, 3, 4, 5, 8, 9, 11, 12.
Training Advice	No information available
Additional information	No information available

Disclaimer
The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet