

Barristo Enterprises, Inc., dba SureHold®

SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

Product Identifier SureFlex Multi-Purpose Adhesive, SH-360

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

Intended Use: Adhesive

Details of the supplier of the safety data sheet

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2. HAZARDS IDENTIFICATION


Classification of the substance or mixture

OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Serious eye damage/ eye irritation	Category 2
Reproductive toxicity	Category 1B
Specific target organ toxicity-single exposure	Category 3
Flammable liquids	Category 2

Label elements:

Hazard pictogram:	
Single word:	Danger
Emergency Overview:	Causes serious eye irritation May damage fertility or the unborn child May cause drowsiness or dizziness Highly flammable liquid and vapor

Precautionary Statement - Prevention

Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Use personal protective equipment as required
Wash face, hand and any exposed skin thoroughly after handling
Avoid breathing dust/fumes/gas/mist/vapors/spray
Use only outdoors or in a well-ventilated area

Precautionary Statement - Response	Keep away from heat, sparks, open flames, hot surfaces. No smoking Keep container tightly closed Ground/bond container and receiving equipment Use explosion-proof electrical/ventilating/lighting/equipment Use only non-sparking tools Take precautionary measures against static discharge Keep cool If exposed or concerned: Get medical advice/attention IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. If eye irritation persists get medical advice/attention. IF ON SKIN (or hair): Immediately remove all contaminated clothing. Rinse skin with water/shower IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
Precautionary Statement - Storage	In case of fire: Use CO ₂ , dry chemical, or foam for extinction. Store in a well-ventilated place. Keep container tightly closed. Store locked up.
Precautionary Statement - Disposal	Dispose of contents/container to an approved waste disposal plant.

Other hazards:

Harmful to aquatic life with long lasting effects.

Unknown acute toxicity: 33% of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION / INFORMATION ON INGREDIENTS**Substance(s)**

Chemical Name	CAS-No	Weight - %
Acetone	67-64-1	30 – 60% *
Methyl Ethyl Ketone (Butanone)	78-93-3	10 – 30% *
Dibutyl Phthalate	84-74-2	1 – 5% *

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

4. FIRST AID MEASURES**Description of first aid measures**

General advice	Get medical advice/attention if you feel unwell.
Inhalation:	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If symptoms persist, call a physician.
Skin contact:	IF ON SKIN: Wash skin with soap and water. If skin irritation persists, call a physician. Wash contaminated clothing before reuse.
Eye contact:	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. If eye irritation persists, Get medical advice/attention.
Ingestion:	Not an expected route of exposure. Ensure that breathing passages are not obstructed. The product will polymerize immediately in the mouth making it almost impossible to swallow. Saliva will slowly separate the solidified product from the mouth
Self-protection of the first aider:	Use personal protective equipment as required.

Most important symptoms and effect, both acute and delayed

Symptoms	See section 2 for more information.
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Indication of any immediate medical attention and special treatment needed**Note to physicians** Treat Symptomatically.**5. FIRE FIGHTING MEASURES****Extinguishing media**Suitable extinguishing media: Carbon dioxide (CO₂), Dry chemical, Foam

Unsuitable extinguishing media: None.

Special hazards arising from the substance or mixture

Highly flammable.

Explosion data**Sensitivity to Mechanical Impact** None.**Sensitivity to Static Discharge** None.**Advice for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand. MSH/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures**

Personal precautions Ensure adequate ventilation, especially in confined areas. Use personal protective equipment as required. Avoid contact with skin, eyes and inhalation of vapors. Wash thoroughly after handling. Remove all sources of ignition.

Environmental precautions

See Section 12 for additional ecological information. Do not flush into surface water or sanitary sewer system.

Methods and material for containment and cleaning up

Prevent further leakage or spillage if safe to do so. Eliminate all ignition sources if so to do so. Ensure adequate ventilation. Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal.

Prevention of secondary hazards

Clean contaminated objects and areas thoroughly observing environmental regulations.

7. HANDLING AND STORAGE**Precautions for safe handling**

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice. Avoid breathing vapor and mists. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Wash contaminated clothing before reuse. Use personal protective equipment as required. Take precautionary measures against static discharges. Keep away from heat/sparks/open flame/hot surfaces. – No smoking.

Conditions for safe storage, including and incompatibilities

Keep away from heat, sparks, flame and other sources of ignition (i.e. pilot lights, electric motors and static electricity.)

Incompatible materials

Strong oxidizing agents, Bases, Acids, Amines.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**Control parameters**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDHL
Acetone 67-64-1	STEL: 750 ppm TWA: 500 ppm	TWA: 100 ppm TWA: 2400 mg/m ³ (vacated) TWA: 750 ppm (vacated) TWA: 1800 mg/m ³ (vacated) STEL: 2400 mg/m ³ The acetone STEL does not apply to the cellulose acetate	IDLH: 2500 ppm TWA: 250 ppm TWA: 590 mg/m ³

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		fiber industry. It is in effect for all other sectors (vacated) STEL: 1000 ppm	
Methyl Ethyl Ketone (Butanone) 78-93-3	STEL: 300 ppm TWA: 200 ppm	TWA: 200 ppm TWA: 590 mg/m ³ (vacated) TWA: 200 ppm (vacated) TWA: 590 mg/m ³ (vacated) STEL: 300 mg/m ³ (vacated) STEL: 885 mg/m ³	IDLH: 3000 ppm TWA: 200 ppm TWA: 500 mg/m ³ STEL: 300 ppm STEL: 885 mg/m ³
Dibutyl Phthalate 84-74-2	TWA: 5 mg/m ³	TWA: 5 mg/m ³ (vacated) TWA: 5 mg/m ³	IHLH: 40000 mg/m ³ TWA: 5 mg/m ³

NIOSH IDHL Immediately Dangerous to Life or Health

Other Information

Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F .2d 962 (11th Cir., 1992)

Exposure controls

Appropriate Engineering Controls: Ventilation systems. Eyewash stations. Showers.

Individual protection measures, such as personal protective equipment

Eye/Face protection Safety glasses with side shields or chemical splash goggles.
 Skin and body protection Wear protective gloves and protective clothing.
 Respiratory protection Use NIOSH-approved air purifying respirator with organic vapor cartridge or canister, as appropriate.
 General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice. Regular cleaning of equipment, work area and clothing is recommended.
 Environmental exposure controls Do not empty into drains or the aquatic environment.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state: Liquid
 Appearance: Clear
 Odor: Ketone
 Odor threshold No information available.
 pH: No information available.
 Melting point/freezing point: No information available.
 Initial boiling point and boiling range: 55°C / 131°F
 Flash point -20°C / -4°F (Method: Tag closed cup)
 Evaporation rate < 1
 Flammability (solid, gas): No information available.
 Upper flammability limit: No information available.
 Lower flammability limit: No information available.
 Vapor Pressure (25°C): No information available.
 Vapor Density (Air=1): > 1
 Relative Density: 0.88
 Solubility: Slightly soluble
 Partition coefficient: No information available.
 Auto-ignition temperature: No information available.
 Decomposition temperature: No information available.

Viscosity No information available.
Explosive properties: No information available.
Oxidizing properties: No information available.

Other information

Specific gravity: No information available.
VOC content: 1.611 lb/gal
Density No information available.

10. STABILITY AND REACTIVITY**Reactivity**

No data available.

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

None under normal conditions.

Conditions to avoid

Keep away from all heat sources, open flames and other sources of ignition.

Incompatible materials

Strong oxidizing agents, Bases, Acids, Amines.

Hazardous decomposition products

Carbon oxides. Nitrogen oxides (NO_x).

11. TOXICOLOGICAL INFORMATION**Information on likely routes of exposure**

Inhalation Harmful by inhalation. May cause drowsiness or dizziness.
Eye contact Contact with eyes may cause irritation. May cause redness and tearing of the eyes.
Skin contact May cause skin irritation and/or dermatitis.
Ingestion Ingestion may cause irritation to mucous membranes.

Chemical Name CAS-No	Oral LD50	Dermal LD50	Inhalation LC50
Acetone 67-64-1	= 5000 mg/kg (Rat)	= 5000 mg/kg (Rabbit) = 6480 mg/kg (Rabbit)	= 50100 mg/m ³ (Rat) 8h
Methyl Ethyl Ketone (Butanone) 78-93-3	= 2483 mg/kg (Rat) = 2737 mg/kg (Rat)	= 5000 mg/kg (Rabbit) = 6480 mg/kg (Rabbit)	= 11700 ppm (Rat) 4h
Dibutyl Phthalate 84-74-2	= 6300 mg/kg (Rat)	> 20 mg/kg (Rabbit)	> 15.68 mg/L (Rat) 4h

Information on toxicological effects

Symptoms No information available

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

Sensitization No information available
Germ cell mutagenicity No information available
Carcinogenicity Central nervous system, Eyes, Gastrointestinal tract (GI), Respiratory system, Skin.

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

ATEmix (oral)	4154 mg/kg
ATEmix (dermal)	16359 mg/kg
ATEmix (inhalation-dust/mist)	116.2 mg/l
ATEmix (inhalation-vapor)	39195 mg/l

12. ECOLOGICAL INFORMATION

Ecotoxicity

33% of the mixture consists of component(s) of unknown hazards to the aquatic environment.

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Acetone 67-64-1	----	4.74 – 6.33: 96 h Oncorhynchus mykiss mL/ LC50 6210 – 8120: 96 h Pimephales promelas mg/L LC50 static 8300: 96 h Lepomis macrochirus mg/L LC50	10294 – 17704: 48 h Daphnia magna mg/L EC50 Static 12600 – 12700: 48 h Daphnia magna mg/L ED50
Methyl Ethyl Ketone (Butanone) 78-93-3	----	3130 – 3320: 96 h Pimephales promelas mg/L LC50 flow-through	520: 48 h Daphnia magna mg/L EC50 5091: 48 h Daphnia magna mg/L EC50 4025 – 6440: 48 h Daphnia magna mg/L EC50 Static
Dibutyl Phthalate 84-74-2	----		

Persistence and degradability

No information available.

Bioaccumulative potential

No information available.

Mobility in soil

No information available.

Chemical Name	Partition coefficient
Acetone 67-64-1	-0.24
Methyl Ethyl Ketone (Butanone) 78-93-3	0.29
Dibutyl Phthalate 84-74-2	5.38

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes	This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261).
Contaminated packaging	Do not reuse container
US EPA Waste Number	D001

Chemical Name	RCRA	RCRA – Basis for Listing	RCRA – D Series Wastes	RCRA – U Series Wastes

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Acetone 67-64-1	----	Included in waste stream: F039	----	U002
Methyl Ethyl Ketone (Butanone) 78-93-3	U159	Included in waste streams: F005, F039	200.0 mg/L regulatory level	U159
Dibutyl Phthalate 84-74-2	----	Included in waste stream: F039	----	U069

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

Chemical Name	California Hazardous Waste Status
Acetone 67-64-1	Ignitable
Methyl Ethyl Ketone (Butanone) 78-93-3	Toxic; Ignitable

14. TRANSPORT INFORMATION

DOT

UN/ID No.: 1133
Proper shipping name: Adhesives, Limited Quantity (LQ)
Hazardous Class: 3
Packaging Group: II
Emergency Response Guide Number: 128

IATA

UN/ID No.: ID 8000
Proper shipping name: Consumer commodity
Hazardous Class: 9
ERG Code 9L

IMGD

UN/ID No.: 1133
Proper shipping name: Adhesives, Limited Quantity (LQ)
Hazard Class: 3
Packaging Group: II
EmS-No: F-E, S-D

15. REGULATORY INFORMATION

International Inventories

TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	Complies
ENCS	Complies
IECSC	Complies
KECL	Complies
PICCS	Complies
AICS	Complies

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Legend: TSCA – United States Toxic Substance 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
 IECSC – China Inventory of Existing Chemical Substances
 KECL – Korean Existing and Evaluated Chemical Substances
 PICCS – Philippines Inventory of Chemicals and Chemical Substance
 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	SARA 313 – Threshold Values %
Dibutyl Phthalate – 84-74-2	1.0

SARA 313/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	Yes
Fire Hazard	Yes
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

CWA (Clear Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clear 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
Dibutyl Phthalate – 84-74-2	10 lb.	X	X	X

CERCLA

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

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Acetone 67-64-1	5000 lb	----	RQ 5000 lb final RQ RQ 2270 kg final RQ
Methyl Ethyl Ketone (Butanone) 78-93-3	5000 lb	----	RQ 5000 lb final RQ RQ 2270 kg final RQ
Dibutyl Phthalate 84-74-2	10 lb	----	RQ 10 lb final RQ RQ 4.54 kg final RQ

US State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals.

Chemical Name	California Proposition 65
Dibutyl Phthalate 84-74-2	Developmental; Female Reproductive; Male Reproductive

U.S. State Right-to-Now Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Acetone 67-64-1	X	X	X
Methyl Ethyl Ketone (Butanone) 78-93-3	X	X	X
Dibutyl Phthalate 84-74-2	X	X	X

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. OTHER INFORMATION

NFPA	Health hazards 2	Flammability 3	Instability 0	---
HMIS	Health hazards 2	Flammability 3	Physical hazards 0	Personal protection B

NFPA (National Fire Protection Association)
HMIS (Hazardous Material Information System)

Further information This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties. Substances have been classified in accordance with Regulation (EC) 1272/2008 (CLP).