SAFETY DATA SHEET

1. Identification

Product identifier	**Flex Paste Black**
Other means of identification	Not available.
Recommended use	Paste, Sealant
Recommended restrictions	None known.
Manufacturer information	Swift Response LLC 2690 Weston Road Weston, FL 33331 US
Supplier	See above.
CHEMTREC	800-424-9300

2. Hazard identification

Physical hazards	Not classified.	
Health hazards	Serious eye damage/eye irritation	Category 2
	Sensitization, skin	Category 1
	Reproductive toxicity	Category 1B
	Specific target organ toxicity, repeated exposure	Category 2
Environmental hazards	Not classified.	
WHMIS 2015 defined hazards	Not classified	

Label elements

Signal word	Danger
Hazard statement	Causes serious eye irritation. May cause an allergic skin reaction. May damage fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure.

Precautionary statement

Prevention	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe mist or vapor. Wash thoroughly after handling. Do not breathe vapors. Wear protective gloves, protective clothing, eye protection and face protection. Contaminated work clothing should not be allowed out of the workplace.
Response	IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical attention. Specific treatment (see information on this label). Take off contaminated clothing and wash it before reuse. 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 attention. IF exposed or concerned: Get medical attention.
Storage	Store locked up.
Disposal	Dispose of container in accordance with local, regional, national and international regulations.

WHMIS 2015: Health Hazard(s) not otherwise classified (HHNOC)	None known
WHMIS 2015: Physical Hazard(s) not otherwise classified (PHNOC)	None known
Hazard(s) not otherwise classified (HNOC)	None known.
Supplemental information	None.

3. Composition/Information on ingredients

Mixture

Chemical name	Common name and synonyms	CAS number	%
1,2-Ethanediamine, N-[3-(trimethoxysilyl)propyl]-		1760-24-3	0.5 - 1.5 *
Decanedioic acid, bis (2,2,6,6-tetramethyl-4-piperidinyl) ester		52829-07-9	0.1 - 1 *
Silane, ethenyltrimethoxy-		2768-02-7	1 - 5 *
Tin, dibutylbis (2,4-pentanedionato-0,0')-, (OC-6-11)-		22673-19-4	0.1 - 1 *

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

Composition comments

*CANADA GHS: The exact percentage (concentration) of composition has been withheld as a trade secret.
US GHS: The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

4. First-aid measures

Inhalation

If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.

Skin contact

IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical attention. Take off contaminated clothing and wash it before reuse. Specific treatment (see information on this label).

Eye contact

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 attention.

Ingestion

Rinse mouth. Do not induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Never give anything by mouth if victim is unconscious or is convulsing. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed

Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.
May cause an allergic skin reaction. Dermatitis. Rash.
Prolonged exposure may cause chronic effects.

Indication of immediate medical attention and special treatment needed

Provide general supportive measures and treat symptomatically. Symptoms may be delayed.

General information

IF exposed or concerned: Get medical advice. Show this safety data sheet to the doctor in attendance. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. Wash contaminated clothing before reuse. Avoid contact with eyes and skin. Keep out of reach of children.

5. Fire-fighting measures

Suitable extinguishing media

Water fog. Foam. Dry chemical powder. Carbon dioxide.

Unsuitable extinguishing media

Not available.

Specific hazards arising from the chemical

During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire-fighting equipment/instructions

Move containers from fire area if you can do so without risk.

Specific methods

Use standard firefighting procedures and consider the hazards of other involved materials.

General fire hazards

No unusual fire or explosion hazards noted.

Hazardous combustion products

May include and are not limited to: Oxides of carbon.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Do not breathe mist or vapor. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up	Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water. Clean surface thoroughly to remove residual contamination. Prevent entry into waterways, sewer, basements or confined areas. For waste disposal, see section 13 of the SDS.
Environmental precautions	Do not discharge into lakes, streams, ponds or public waters.

7. Handling and storage

Precautions for safe handling	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe mist or vapor. Avoid contact with eyes, skin, and clothing. Wear appropriate personal protective equipment. Provide adequate ventilation. Pregnant or breastfeeding women must not handle this product. Avoid prolonged exposure. Wash thoroughly after handling. When handling, do not eat, drink or smoke.
Conditions for safe storage, including any incompatibilities	Store locked up. Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS). Keep out of reach of children.

8. Exposure controls/Personal protection

Occupational exposure limits

Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)

Components	Type	Value
Tin, dibutylbis (2,4-pentanedionato-0,0')-, (OC-6-11)- (CAS 22673-19-4)	STEL	0.2 mg/m3
	TWA	0.1 mg/m3

Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)

Components	Type	Value
Tin, dibutylbis (2,4-pentanedionato-0,0')-, (OC-6-11)- (CAS 22673-19-4)	STEL	0.2 mg/m3
	TWA	0.1 mg/m3

Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act)

Components	Type	Value
Tin, dibutylbis (2,4-pentanedionato-0,0')-, (OC-6-11)- (CAS 22673-19-4)	STEL	0.2 mg/m3
	TWA	0.1 mg/m3

Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)

Components	Type	Value
Silane, ethenyltrimethoxy- (CAS 2768-02-7)	STEL	60 mg/m3 10 ppm
Tin, dibutylbis (2,4-pentanedionato-0,0')-, (OC-6-11)- (CAS 22673-19-4)	TWA	0.1 mg/m3

Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety)

Components	Type	Value
Tin, dibutylbis (2,4-pentanedionato-0,0')-, (OC-6-11)- (CAS 22673-19-4)	STEL	0.2 mg/m3
	TWA	0.1 mg/m3

Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21)

Components	Type	Value
Tin, dibutylbis (2,4-pentanedionato-0,0')-, (OC-6-11)- (CAS 22673-19-4)	15 minute	0.2 mg/m3
	8 hour	0.1 mg/m3

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
Tin, dibutylbis (2,4-pentanedionato-0,0')-, (OC-6-11)- (CAS 22673-19-4)	PEL	0.1 mg/m3

US. ACGIH Threshold Limit Values

Components	Type	Value
Tin, dibutylbis (2,4-pentanedionato-0,0')-, (OC-6-11)- (CAS 22673-19-4)	STEL	0.2 mg/m3
	TWA	0.1 mg/m3

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
Tin, dibutylbis (2,4-pentanedionato-0,0')-, (OC-6-11)- (CAS 22673-19-4)	TWA	0.1 mg/m3

Biological limit values No biological exposure limits noted for the ingredient(s).

Exposure guidelines

Canada - Alberta OELs: Skin designation

Tin, dibutylbis (2,4-pentanedionato-0,0')-, (OC-6-11)-(CAS 22673-19-4) Can be absorbed through the skin.

Canada - British Columbia OELs: Skin designation

Tin, dibutylbis (2,4-pentanedionato-0,0')-, (OC-6-11)-(CAS 22673-19-4) Can be absorbed through the skin.

Canada - Manitoba OELs: Skin designation

Tin, dibutylbis (2,4-pentanedionato-0,0')-, (OC-6-11)-(CAS 22673-19-4) Can be absorbed through the skin.

Canada - Ontario OELs: Skin designation

Tin, dibutylbis (2,4-pentanedionato-0,0')-, (OC-6-11)-(CAS 22673-19-4) Can be absorbed through the skin.

Canada - Quebec OELs: Skin designation

Tin, dibutylbis (2,4-pentanedionato-0,0')-, (OC-6-11)-(CAS 22673-19-4) Can be absorbed through the skin.

Canada - Saskatchewan OELs: Skin designation

Tin, dibutylbis (2,4-pentanedionato-0,0')-, (OC-6-11)-(CAS 22673-19-4) Can be absorbed through the skin.

US ACGIH Threshold Limit Values: Skin designation

Tin, dibutylbis (2,4-pentanedionato-0,0')-, (OC-6-11)-(CAS 22673-19-4) Can be absorbed through the skin.

US NIOSH Pocket Guide to Chemical Hazards: Skin designation

Tin, dibutylbis (2,4-pentanedionato-0,0')-, (OC-6-11)-(CAS 22673-19-4) Can be absorbed through the skin.

Appropriate engineering controls Ensure adequate ventilation.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields.

Skin protection

Hand protection Wear appropriate chemical resistant gloves. Confirm with a reputable supplier first.

Other As required by employer code.

Respiratory protection	Where exposure guideline levels may be exceeded, use an approved NIOSH respirator. Respirator should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134), CAN/CSA-Z94.4 and ANSI's standard for respiratory protection (Z88.2).
Thermal hazards	Not applicable.
General hygiene considerations	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and immediately after handling the product. When using, do not eat, drink or smoke.

9. Physical and chemical properties

Appearance	Paste.
Physical state	Liquid.
Form	Paste.
Color	Black
Odor	Odorless
Odor threshold	Not available.
pH	8 - 9
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Pour point	Not available.
Specific gravity	1.75
Partition coefficient (n-octanol/water)	Not available.
Flash point	Not available.
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	3 - 3.5 McP
Other information	
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.

10. Stability and reactivity

Reactivity	May react with incompatible materials.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Chemical stability	Material is stable under normal conditions.
Conditions to avoid	Do not mix with other chemicals.
Incompatible materials	Acids. Oxidizers.
Hazardous decomposition products	May include and are not limited to: Oxides of carbon.

11. Toxicological information

Routes of exposure	Eye, Skin contact, Inhalation, Ingestion.

Information on likely routes of exposure

Ingestion	May cause stomach distress, nausea or vomiting.
Inhalation	May cause damage to organs through prolonged or repeated exposure by inhalation.
Skin contact	May cause an allergic skin reaction.
Eye contact	Causes serious eye irritation.
Symptoms related to the physical, chemical and toxicological characteristics	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause an allergic skin reaction. Dermatitis. Rash.

Information on toxicological effects

Acute toxicity May cause an allergic skin reaction.

Components	Species	Test Results
1,2-Ethanediamine, N-[3-(trimethoxysilyl)propyl]- (CAS 1760-24-3)		
Acute		
Dermal		
LD50	Rabbit	> 2000 mg/kg, 24 Hours, ECHA
		> 16 ml/kg, 24 Hours, ECHA
	Rat	> 2009 mg/kg, 24 Hours, ECHA
Inhalation		
LC50	Rat	1.5 - 2.4 mg/L, 4 Hours, ECHA
Oral		
LD50	Rat	2574 mg/kg, ECHA
		2413 mg/kg, ECHA
		2295 mg/kg, ECHA
		1897 mg/kg, ECHA
		7.5 ml/kg, ECHA
Decanedioic acid, bis (2,2,6,6-tetramethyl-4-piperidinyl) ester (CAS 52829-07-9)		
Acute		
Dermal		
LD50	Rat	> 3170 mg/kg, 24 Hours, ECHA
Inhalation		
LC50	Rat	500 mg/m3, 4 Hours, ECHA, National Technical Information Service. Vol. OTS0539874,
		0.5 mg/l/4h, OECD SIDS
Oral		
LD50	Rat	3700 mg/kg, ECHA
Silane, ethenyltrimethoxy- (CAS 2768-02-7)		
Acute		
Dermal		
LD50	Rabbit	3.5 ml/kg, 24 Hours, ECHA
		3.4 - 4 ml/kg, 24 Hours, ECHA
Inhalation		
LC50	Rat	2773 ppm, 4 Hours, ECHA
Oral		
LD50	Mouse	3750 mg/kg, ECHA
		2000 mg/kg, ECHA
		1600 mg/kg, ECHA
		500 mg/kg, ECHA
	Rat	300 - 2000 mg/kg, ECHA
		11.3 ml/kg, ECHA
		8.2 ml/kg, ECHA
		7.3 - 7.5 ml/kg, ECHA

Components	Species	Test Results
Tin, dibutylbis (2,4-pentanedionato-0,0')-, (OC-6-11)- (CAS 22673-19-4)		
Acute		
Dermal		
LD50	Rabbit	3000 mg/kg, ACIMA
	Rat	> 2000 mg/kg, 24 Hours, ECHA
Inhalation		
LC50	Not available	
Oral		
LD50	Rat	2431 mg/kg, ACIMA
		1864 mg/kg, ECHA

Skin corrosion/irritation Prolonged skin contact may cause temporary irritation.

Exposure minutes Not available.

Erythema value Not available.

Oedema value Not available.

Serious eye damage/eye irritation Causes serious eye irritation.

Corneal opacity value Not available.

Iris lesion value Not available.

Conjunctival reddening value Not available.

Conjunctival oedema value Not available.

Recover days Not available.

Respiratory or skin sensitization

Respiratory sensitization Not a respiratory sensitizer.

Skin sensitization May cause an allergic skin reaction.

Mutagenicity Not classified.

Carcinogenicity Not classifiable as a carcinogen.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

Not listed.

Reproductive toxicity May damage fertility or the unborn child.

Teratogenicity Not classified.

Specific target organ toxicity - single exposure Not classified.

Specific target organ toxicity - repeated exposure May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard Not an aspiration hazard.

Chronic effects May cause damage to organs through prolonged or repeated exposure. Prolonged inhalation may be harmful.

12. Ecological information

Ecotoxicity Not available.

Persistence and degradability No data is available on the degradability of this product.

Bioaccumulative potential

Mobility in soil No data available.

Mobility in general Not available.

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Disposal instructions Dispose of contents/container in accordance with local/regional/national/international regulations.

Local disposal regulations Dispose in accordance with all applicable regulations.

Hazardous waste code The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Waste from residues / unused products Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

Transport of Dangerous Goods (TDG) Proof of Classification Classification Method: Classified as per Part 2, Sections 2.1 – 2.8 of the Transportation of Dangerous Goods Regulations. If applicable, the technical name and the classification of the product will appear below.

U.S. Department of Transportation (DOT)

Not regulated as dangerous goods.

Transportation of Dangerous Goods (TDG - Canada)

Not regulated as dangerous goods.

15. Regulatory information

Canadian federal regulations This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR.

Export Control List (CEPA 1999, Schedule 3)

Not listed.

Greenhouse Gases

Not listed.

Precursor Control Regulations

Not regulated.

WHMIS 2015 Exemptions Controlled

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance No

Classified hazard categories
Serious eye damage or eye irritation
Respiratory or skin sensitization
Carcinogenicity
Reproductive toxicity
Specific target organ toxicity (single or repeated exposure)

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

US state regulations See below

US - California Hazardous Substances (Director's): Listed substance

Tin, dibutylbis (2,4-pentanedionato-0,0')-, (OC-6-11)-(CAS 22673-19-4) Listed.

US - Minnesota Haz Subs: Listed substance

Tin, dibutylbis (2,4-pentanedionato-0,0')-, (OC-6-11)-(CAS 22673-19-4) Listed.

US - Texas Effects Screening Levels: Listed substance

1,2-Ethanediamine, N-[3-(trimethoxysilyl)propyl]-(CAS 1760-24-3) Listed.

Decanedioic acid, bis (2,2,6,6-tetramethyl-4-piperidinyl) ester (CAS 52829-07-9) Listed.

Silane, ethenyltrimethoxy- (CAS 2768-02-7) Listed.

Tin, dibutylbis (2,4-pentanedionato-0,0')-, (OC-6-11)- Listed.
(CAS 22673-19-4)

US. Rhode Island RTK

Tin, dibutylbis (2,4-pentanedionato-0,0')-, (OC-6-11)- (CAS 22673-19-4)

US. California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

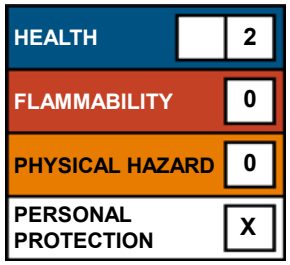
Inventory status

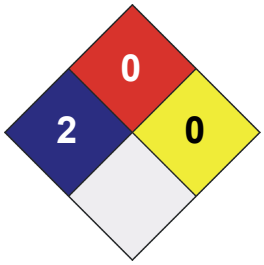
Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

16. Other information

LEGEND	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0





Disclaimer

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