

MATERIAL SAFETY DATA SHEET

Page 1 of 3

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: SUPERFLEX BLACK RT
 Item No.: 20-2983
 Product Type: RTV Silicone

2. COMPOSITION, INFORMATION ON INGREDIENTS

Ingredients	CAS No.	%
Poly(dimethylsiloxane), dimethyl	63148-62-9	85-90
SILICA, AMORPHOUS, FUMED, CRYSTALLINE-FREE	112945-52-5	5-10
Ethyltriacetoxysilane	17689-77-9	1-5
Methyltriacetoxysilane	4253-34-3	1-5
CARBON BLACK	1333-86-4	0.1-1
ACETIC ACID	64-19-7	***

***When this product is exposed to moisture, 3-5% acetic acid may be formed.

Ingredients which have exposure limits

Exposure Limits (TWA) Ingredients	ACGIH (TLV)	OSHA (PEL)	OTHER
SILICA, AMORPHOUS, FUMED, CRYSTALLINE-FREE	10 mg/m3 TWA	6 mg/m3 TWA	3 mg/m3 TWA resp. dust
CARBON BLACK	3.5 mg/m3 TWA	3.5 mg/m3 TWA	5ppm
ACETIC ACID	10 ppm TWA 25 mg/m3	10 ppm TWA 25 mg/m3	None

Exposure Limits (STEL) Ingredients	ACGIH (TLV)	OSHA (PEL)
ACETIC ACID	15 ppm 37 mg/m3	None

3. HAZARDS IDENTIFICATION

Toxicity: Eye and skin irritant.
 Oral LD50 more than 10,000 mg/kg.

Primary Routes of Entry: None known

Signs and Symptoms of Exposure: Acetic acid produced during cure irritates eyes, nose and throat.

Existing Conditions Aggravated by Exposure: Carbon black: respiratory disorders.
 Methyltriacetoxysilane: Eye, skin, and pulmonary disorders.

Ingredients	Literature Referenced Target Organ and Other Health Effects	Carcinogen NTP IARC OSHA
Poly(dimethylsiloxane), dimethyl	IRR	NO NO NO
SILICA, AMORPHOUS, FUMED, CRYSTALLINE-FREE	NUI	NO N/A NO
Ethyltriacetoxysilane	No Data	NO NO NO
Methyltriacetoxysilane	NTD	NO NO NO
CARBON BLACK	RES	NO 2B NO
ACETIC ACID	ALG COR EYE GAS IMM IRR KID	NO NO NO

Abbreviations

N/A Not Applicable	2B Possibly carcinogenic to humans
ALG Allergen	COR Corrosive
EYE Eyes	GAS Gastrointestinal
IMM Immune system	IRR Irritant
KID Kidney	NTD No Target Organs
NUI Nuisance dust	RES Respiratory

4. FIRST AID MEASURES

Ingestion: Do not induce vomiting. Keep individual calm.
 Obtain medical attention.

Inhalation: Remove to fresh air. Treat symptomatically.

MATERIAL SAFETY DATA SHEET

Page 2 of 3

Product Name: SUPERFLEX BLACK RT
Item No.: 20-29834. FIRST AID MEASURES

(continued)

Skin Contact: Wipe off paste with paper towel or cloth.
Wash exposed area with soap and water.
Eye Contact: Flush at least 15 minutes with water. Obtain
medical attention.

5. FIRE FIGHTING MEASURES

Flash Point: More than 200°F Method: Tag Closed Cup
Recommended
Extinguishing Agents: Carbon dioxide, foam, dry chemical
Special Firefighting
Procedures: Not available
Hazardous Products formed
by Fire or Thermal Decomp Acetic acid, formaldehyde, silica fume.
Unusual Fire or
Explosion Hazards: None

Explosive Limits:
(% by volume in air) Lower Acetic acid: 4%
(% by volume in air) Upper Acetic acid: 19.9% at 200°F.

6. ACCIDENTAL RELEASE MEASURES

Steps to be taken in case
of spill or leak: Wipe or scrape up spilled material. Maintain
good ventilation for large spills. Place scrap
material in a well ventilated place and allow to
cure to rubber.

7. HANDLING AND STORAGE

Safe Storage: Store in a dry area below 90°F. Keep container
closed when not in use.
(Contact Loctite Customer Service 1-800-243-4874 for shelf life information)
Handling: Avoid eye or skin contact. Avoid breathing vapor.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Eyes: Safety glasses or goggles.
Skin: Rubber or plastic gloves.
Ventilation: Provide local ventilation for prolonged use in
confined area.
Respiratory: Not available
See Section 2 for Exposure Limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Black paste
Odor: Acetic Acid
Boiling Point: Not Applicable, polymeric material
pH: Does not apply
Solubility in Water: Polymerized
Specific Gravity: 1.07
Volatile Organic Compound
(EPA Method 24) 4.5%; 48.15 g/l
Vapor Pressure: Less than 5mm at 70°F
Vapor Density: Not available
Evaporation Rate
(Ether = 1) Not available

10. STABILITY AND REACTIVITY

Stability: Stable
Hazardous Polymerization: Will not occur
Incompatibility: Polymerized by contact with moisture. Acetic
acid liberated.
Conditions to Avoid: Not available
Hazardous Decomposition
Products (non-thermal): None

11. TOXICOLOGICAL INFORMATION

See Section 3.

12. ECOLOGICAL INFORMATION

No data available

MATERIAL SAFETY DATA SHEET

Page 3 of 3

Product Name: SUPERFLEX BLACK RT
Item No.: 20-298313. DISPOSAL CONSIDERATIONS

Recommended methods of disposal: Cured rubber can be incinerated. Follow EPA local regulations.

EPA Hazardous Waste Number: NH - Not a RCRA Hazardous Waste Material

14. TRANSPORTATION INFORMATION

DOT (49 CFR 172)
Domestic Ground Transport
Proper Shipping Name: Unrestricted
Hazard Class or Division: Unrestricted
Identification Number: None
Marine Pollutant: None

IATA
Proper Shipping Name: Unrestricted
Class or Division: Unrestricted
UN or ID Number: None

15. REGULATORY INFORMATION

CA Proposition 65: No California Proposition 65 chemicals are known to be present.

16. OTHER INFORMATION

Estimated NFPA(R) Code:
Health Hazard: 2
Fire Hazard: 1
Reactivity Hazard: 1
Specific Hazard: Does not apply

Estimated HMIS(R) Code:
Health Hazard: 2
Flammability Hazard: 1
Reactivity Hazards: 1
Personal Protection: See Section 8.

NFPA is a registered trademark of the National Fire Protection Assn.
HMIS is a registered trademark of the National Paint and Coatings Assn.

Prepared By: Stephen Repetto
Title: Research Chemist, Environmental Health & Safety
Company: Henkel Loctite Corporation, Rocky Hill CT 06067
(24hr.) Phone: (860) 571-5100
Revision Date: January 07, 2003 Revision: 0035