

THE FLEXITE COMPANY

INJECTION MACHINES AND THERMOPLASTICS FOR DENTAL TECHNOLOGY

40 ROSELLE STREET , MINEOLA, NY 11501

Tel: (516) 746-2622 Fax: (516) 741-8147

Website: www.Flexitecompany.com

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: NORTHERM

Effective Date: 09/04/07

MEDICAL APPLICATIONS:

Syringes, blood aspirators, kidney dialysis, reaction cells.

1. INGREDIENTS: (% w/w, unless otherwise noted)

Styrene-acrylonitrile copolymer

This document is prepared pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200). In addition, other substances not 'Hazardous' per this OSHA Standard may be listed. Where proprietary ingredient shows, the identity may be made available as provided in this standard.

2. PHYSICAL DATA:

BOILING POINT: Not applic.

VAPOR PRESSURE: Not applic.

VAPOR DENSITY: Not applic.

SOLUBILITY IN WATER: Nil

SPECIFIC GRAVITY: 1.06 - 1.09

APPEARANCE: Solid.

ODOR: No odor.

3. FIRE AND EXPLOSION HAZARD DATA:

FLASH POINT: None

METHOD USED: Not applicable

FLAMMABLE LIMITS

LFL: Not applicable

UFL: @Jot applicable

EXTINGUISHING MEDIA: Water fog, foam, alcohol foam, CO₂, dry chemical.

FIRE & EXPLOSION HAZARDS: Not available.

FIRE-FIGHTING EQUIPMENT: Wear positive-pressure self-contained breathing apparatus.

4. REACTIVITY DATA:

Stability: (Conditions To Avoid) Temperatures over 572F, 300C will release noxious and combustible gases.

Incompatibility: (Specific Materials To Avoid) Strong oxidizers.

HAZARDOUS DECOMPOSITION PRODUCTS: Acrylonitrile, hydrogen cyanide, and nitrogen oxides.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

5. ENVIRONMENTAL AND DISPOSAL INFORMATION:

ACTION TO TAKE FOR SPILLS/LEAKS: Sweep up and reuse if possible or discard.

DISPOSAL METHOD: Landfill or burn if adequate facilities are available in accordance with all applicable federal, state and local regulations.

6. HEALTH HAZARD DATA:

Eye: Solid or dusts may cause irritation or corneal injury due to mechanical action.

Skin Contact: Mechanical injury only.

Skin Absorption: Skin absorption is unlikely due to physical properties.

Ingestion: May be an obstruction if swallowed. Single dose oral toxicity is believed to be low. Considered physiologically inert.

Inhalation: Vapors are unlikely due to physical properties. Dusts may cause irritation to upper respiratory tract.

Systemic & Other Effects: No relevant information found.

7. FIRST AID:

Eyes: Irrigate immediately with water for at least 5 minutes.
Mechanical irritation only.

Skin: No adverse effects anticipated by this route of exposure.

Ingestion: No adverse effects anticipated by this route of exposure.

Inhalation: No adverse effects anticipated by this route of exposure.

8. HANDLING PRECAUTIONS:

Exposure Guideline (s) : None Established

Ventilation: Good general ventilation sufficient for most conditions.

Respiratory Protection: In dusty atmospheres, use an approved dust respirator.

Skin Protection: No precautions other than clean body-covering clothing should be needed.

Eye Protection: Use safety glasses.

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MINEOLA, N.Y. 11501

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MATERIAL SAFETY DATA SHEET

Material: **FLEXITE M.P.**

Code All

Key 898338-0

Date Issued 09-04-07

Dot Hazard Class NON REGULATED

Formula NA

Chemical Name or Synonyms: Acrylic Co-Polymer

I - COMPOSITIONAL INFORMATION

Acrylic Polymer

Methyl methacrylate monomer

CAS Reg. No. Nonhaz 80-62-6

Approx Wt% 100 trace

TWZ/TLV R&H OSHA ACCGIH

NE NE NE ppm

50 50 100 ppm

II - PHYSICAL PROPERTY INFORMATION

Appearance - Odor - ph.

Solid pellets; mild odor

Viscosity NA

Melting or Freezing Point 132C/270F min. flow

Boiling point NA

Vapor Pressure (mm Hg) NA

Vapor Density (Air=1) NA

Solubility in Water Negligible

Percent Volatile (By Weight) 0

Specific Gravity (water=1) 1.15-1.19

Evaporation Rate (Butyl Acetate=1) NA

Hazard Rating

4= Extreme 0= Insignificant

3= High * = See section IV

2= Moderate

1= Slight

Fire (1)

Reactivity (0)

Toxicity (0)

III - FIRE AND EXPLOSION HAZARD INFORMATION

Flash Point: NA

Auto Ignition Temperature: 393C/740F

Lower Explosion Limit (%): NA

Upper Explosion Limit (%): NA

Extinguishing Media: CO2, Dry Chemical, and Water Spray

Special Fire Fighting Procedures

Wear respirator (pressure-demand, self-contained breathing apparatus, MSHA/NIOSH-approved or equivalent) and full protective gear.

Unusual Fire and Explosion Hazards

Product is combustible thermoplastic resin. Burns vigorously with intense heat.

IV - HEALTH HAZARD INFORMATION

TWA: See Section I; Stel = 75 ppm for methyl methacrylate monomer

EFFECTS OF OVEREXPOSURE

Inhalation: Monomer vapors from heated product can cause irritation, nausea, headache and dizziness.

Eye Contact: Monomer vapors from heated product can irritate the eyes.

EMERGENCY AND FIRST AIR PROCEDURES

Inhalation: Move subject to fresh air.

Eye Contact: Flush eyes with water.

V - REACTIVITY INFORMATION

Stability : stable.

Conditions to Avoid: Temperatures over 260C/500F

Hazardous Decomposition Products: Acrylic monomers

Hazardous Polymerization: Will Not Occur

Conditions To Avoid: NA

Incompatibility (materials to avoid): Strong acids, bases, oxidizing agents

VI - SPILL OR LEAK PROCEDURE INFORMATION

Floor may be slippery; use care to avoid falling.

VII - SPECIAL PROTECTION INFORMATION

Ventilation Type: Use normal room ventilation for storage. During processing use exhaust ventilation.

Respiratory Protection: None required for normal operations.

Protective Gloves: Cotton or canvas

Eye Protection: Safety glasses with side shields (ANSI Z87.1 or equivalent)

Other Protective Equipment: Eyewash facility

VIII - STORAGE AND HANDLING INFORMATION

Storage temperature: Max. 93C/200F min. NA

Store at ambient temperatures.

IX - TOXICITY INFORMATION

Note: This material is a solid polymer in pellet form and is not hazardous in normal storage and handling; however, all thermoplastic materials release some vapors or gases at high temperatures. Low levels of monomer vapors may be generated when this material is heated during processing.

X - MISCELLANEOUS INFORMATION

Footnote to Section I: NE=None Established

NA= Not Applicable

C= Ceiling Value

Key 898338-0

Date of Issure 09-03-07

Supersedes 03-21-84

THE INFORMATION CONTAINED HEREIN IS BASED ON DATA CONSIDERED ACCURATE. HOWEVER, NO WARRANTY IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THESE DATA OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF.

R.I.S. COMPANY ASSUMES NO RESPONSIBILITY FOR PERSONAL INJURY OR PROPERTY DAMAGE TO VENDEES, USERS OR THIRD PARTIES CAUSED BY THE MATERIAL. SUCH VENDEES OR USERS ASSUME ALL RISKS ASSOCIATED WITH THE USE OF THE MATERIAL.

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Website: www.Flexitecompany.com

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: FLEXITE PLUS (FLEXI-PLAST)

CHEMICAL NAME (IF SINGLE SUBSTANCE): N/A

CHEMICAL FAMILY: Polyamide

PRODUCT USE: Thermoplastic resin for partials.

PCODE: A63125

NE- Not Established N/A - Not applicable * - See Misc. (Section IX)

Section I: Ingredients

Identity	%	PEL	TLV
NYLON	>98	NE	NE
ADDITIVES	<2	NE	NE

PEL and TLV values are reported as TWA unless otherwise noted.

Section II: Physical Data

Boiling Point, C: N/A	Melting Point , C: 188
Specific Gravity: 1.01	Vapor Pressure @ 20 C: N/A
Vapor Density: N/A (Air=1)	Evaporation Rate: N/A (Butyl acetate=1)
% Volatiles: N/A	Solubility in Water: Negligible
Appearance and Odor: Translucent Pellets	

Section III: Fire and Explosion Data

<u>Flash Point (Test Method)</u>	<u>Autoignition Temperature</u>	<u>Flammable Limit</u>
N/A	N/A	LEL= N/A UEL= N/A

Extinguishing Media:

Water spray, carbon dioxide, foam, or dry chemical.

Special Fire Fighting Procedures:

In the event of fire, wear full protective clothing and NIOSH approved self-contained breathing apparatus with full face piece, operated in the positive pressure mode.

Section III - Fire and Explosion Data (cont.)

Hazardous Combustion Products:

Irritating and/or toxic gases due to decomposition of the product may be generated during a fire.

Section IV - Reactivity Data

Stability: Compound is stable

Conditions to Avoid: Heating above 340C

Incompatibility (Materials to avoid) : Acids and strong oxidizing agents

Hazardous Polymerization: Does not occur

Hazardous Decomposition Products: Oxides of carbon and nitrogen.

Section V - Environment Information

Spill Response: Sweep "inert" organic pellets, and dispose of properly. Avoid the generation of dust in the area.

Recommended Disposal: Dispose of as solid waste observing all local, state, and federal regulations.

Section VI - Health Hazard Data

PRIMARY ROUTES OF ENTRY:

No- Eye Yes-Skin No-Ingestion Yes-Inhalation

Eye Contact: Dust or vapors that contact the eye may be irritating or cause mechanical injury.

Skin Contact: Molten material will produce thermal burns.

Ingestion: It is reasonable to anticipate ingestion of pellets would be irritating to the GI tract.

Inhalation: Dust or vapors may be irritating to the respiratory tract and cause coughing or sneezing.

Chronic Toxicity: No effects from chronic exposure are known.

Section VI - Health Hazard Data (continued)

Medical Conditions Prone to Aggravation By Exposure:

As with any organic compound that is heated to vaporization, exposure may aggravate pre-existing conditions such as colds, allergies, asthma, emphysema and psoriasis.

Carcinogenicity: No- NTP No-IARC

Section VII - First Aid Measures

Eyes: Immediately flush eyes with flowing water for at least 15 minutes.
See a physician if the irritation persists.

Skin: No harmful effects are anticipated. Wash thoroughly with soap and water.
See a physician if the irritation persists.

Ingestion: No harmful effects are anticipated if the powder is swallowed. See a physician if the irritation persists.

Inhalation: No harmful effects are anticipated from breathing dust or a low concentration of vapors. If a problem develops, remove the person to the fresh air and supply oxygen if necessary.

Section VIII - Special Protection Information

Ventilation: Provide local exhaust ventilation where heat can cause polymer breakdown, e.g. extrusion, molding and where there is a need to draw dusts and fumes from worker breathing zones. The following publication offers ventilation guidelines and techniques: "INDUSTRIAL VENTILATION, A MANUAL OF RECOMMENDED PRACTICE." available from ACGIH.

Respiratory Protection: For conditions where exposure to dust and fumes is apparent, a NIOSH approved respirator for dust mists and fumes appropriate to the airborne concentration may be worn. Where vapors are generated, a NIOSH approved organic respirator suitable to the airborne concentrations is recommended.

Eye and Face Protection: Safety glasses with side shields are recommended for any type of handling. Dust-tight goggles are recommended for dusty operations of areas where vapors accumulate.

Other Clothing and Equipment: Wear clean body covering and gloves impervious to dust or vapor to minimize skin contact.

Storage and Handling: Keep dry and away from acids and strong oxidizing agents.

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SECTION IX - Miscellaneous

HMIS: Health - 1 Fire- 0 Reactivity - 0 Protection - B

DOT Proper Shipping Name: Synthetic Resin, flakes, powders

DOT Hazard Class: N/A

DOT Label: N/A

DOT ID#: 156200

The following ingredients , additives, contain ingredients which are considered hazardous and are present in quantities less than the 1% threshold of the OSHA Hazard Communication Standard and the PA Community Right to Know legislation. The additives also contain ingredients which are considered non-hazardous and are present in quantities less than the 3% threshold of the Pa Community Right to Know legislation. The hazard determination was made in accordance with 29 CFR 1910.1200 (d) (3&4).

SARA Hazard Classification

Immediate (Acute) Health: yes

Delayed (Chronic) Health: no

Sudden Release of Pressure: no

Reactive: no

Fire: no

TSCA Inventory Status: All ingredients of this product are listed on the TSCA Inventory.

SARA Title III, Section 302: This product does not contain any chemicals currently on the Extremely Hazardous Substance List, Section 302, SARA Title III.

SARA Title III, Section 313: This product does not contain any chemicals currently on the Toxic Chemical List, Section 313, SARA Title III.

California Proposition 65: This product does not contain any chemicals currently on the California List of known Carcinogens and Reproductive Toxins.

Pennsylvania Right -to-Know

Hazardous Substance List: This product does not contain any chemicals currently on the Pennsylvania Hazardous Substance List.

Environmental Hazardous Substance List: This product does not contain any chemicals currently on the Pennsylvania Environmental Hazardous Substance List.

Hazardous Substance List: This product does not contain any chemicals currently on the Pennsylvania Special Hazardous Substance List.

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WHMIS Classification: Not Controlled.
Prepared by the Safety & Environmental Affairs Committee

Issued 09/04/07 REV: 0

The information set forth herein has been gathered from standard reference materials and test data and is the best knowledge and belief of Rapid Injection Systems Corp to be accurate and reliable.

Such information is offered solely for your consideration, investigation and verification, and it is not suggested or guaranteed that the hazard precautions or procedures mentioned are the only ones which exist. Rapid Injection Systems Corp. makes no warranties, expressed or implied, with respect to the use of such information or the use of the specific material identified herein in combination with any other material or process, and assumes no responsibility therefore.

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Website: www.Flexitecompany.com

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: FLEXITE SUPREME

PRODUCT USE: Thermoplastic resin for partials.

PCODE:

NE- Not Established N/A - Not applicable * - See Misc. (Section IX)

Section I: Ingredients

Chemical Family: Co-Polyamide

Section II: Physical Data

Boiling Point, C: N/A	Melting Point , C: 200
Specific Gravity: 1.04	Vapor Pressure @ 20 C: N/A
Vapor Density: N/A (Air=1)	Evaporation Rate: N/A (Butyl acetate=1)
% Volatiles: N/A	Solubility in Water: Negligible
Appearance and Color: Translucent Pellets	

Section III: Fire and Explosion Data

Flash Point : NA

Extinguishing Media:

Water spray, carbon dioxide, foam, or dry chemical.

Special Fire Fighting Procedures:

In the event of fire, wear full protective clothing and NIOSH approved self-contained breathing apparatus with full face piece, operated in the positive pressure mode.

Section III - Fire and Explosion Data (cont.)

Hazardous Combustion Products:

Irritating and/or toxic gases due to decomposition of the product may be generated during a fire.

Section IV - Health Hazard Data:

Threshold Limit Value: No established value. Product is inert.

Effect of Overexposure: Not Applicable

Primary Routes of Entry: Skin contact

Emergency and First Aid Procedures: Should molten material contact skin during processing, cool affected area with water and exclude air. Treat for burn.

Section V - Reactivity Data

Stability: Compound is stable

Conditions to Avoid: Heating above 600 F

Incompatibility (Materials to avoid): Acids and strong oxidizing agents

Hazardous Polymerization: Does not occur

Hazardous Decomposition Products: Oxides of carbon and nitrogen.

Section VI - Environment Information

Spill Response: Sweep "inert" organic pellets, and dispose of properly. Avoid the generation of dust in the area.

Recommended Disposal: Dispose of as solid waste observing all local, state, and federal regulations.

Section VII - Health Hazard Data

PRIMARY ROUTES OF ENTRY:

No- Eye Yes-Skin No-Ingestion Yes-Inhalation

Eye Contact: Dust or vapors that contact the eye may be irritating or cause mechanical injury.

Skin Contact: Molten material will produce thermal burns.

Ingestion: It is reasonable to anticipate ingestion of pellets would be irritating to the GI tract.

Inhalation: Dust or vapors may be irritating to the respiratory tract and cause coughing or sneezing. Chronic Toxicity: No effects from chronic exposure are known.

Section VIII - Health Hazard Data (continued)

Medical Conditions Prone to Aggravation By Exposure:

As with any organic compound that is heated to vaporization, exposure may aggravate pre-existing conditions such as colds, allergies, asthma, emphysema and psoriasis.

Carcinogenicity: No- NTP No-IARC

Section IX - First Aid Measures

Eyes: Immediately flush eyes with flowing water for at least 15 minutes.
See a physician if the irritation persists.

Skin: No harmful effects are anticipated. Wash thoroughly with soap and water.
See a physician if the irritation persists.

Ingestion: No harmful effects are anticipated if the powder is swallowed. See a physician if the irritation persists.

Inhalation: No harmful effects are anticipated from breathing dust or a low concentration of vapors. If a problem develops, remove the person to the fresh air and supply oxygen if necessary.

Section X - Special Protection Information

Ventilation: Provide local exhaust ventilation where heat can cause polymer breakdown, e.g. extrusion, molding and where there is a need to draw dusts and fumes from worker breathing zones. The following publication offers ventilation guidelines and techniques: "INDUSTRIAL VENTILATION, A MANUAL OF RECOMMENDED PRACTICE." available from ACGIH.

Respiratory Protection: For conditions where exposure to dust and fumes is apparent, a NIOSH approved respirator for dust mists and fumes appropriate to the airborne concentration may be worn. Where vapors are generated, a NIOSH approved organic respirator suitable to the airborne concentrations is recommended.

Eye and Face Protection: Safety glasses with side shields are recommended for any type of handling. Dust-tight goggles are recommended for dusty operations of areas where vapors accumulate.

Other Clothing and Equipment: Wear clean body covering and gloves impervious to dust

or vapor to minimize skin contact.

Storage and Handling: Keep dry and away from acids and strong oxidizing agents.

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SECTION XI - Miscellaneous

HMIS: Health - 1 Fire- 0 Reactivity - 0 Protection - B

DOT Proper Shipping Name: Synthetic Resin, flakes, powders

DOT Hazard Class: N/A

DOT Label: N/A

DOT ID#: 156200

The following ingredients , additives, contain ingredients which are considered hazardous and are present in quantities less than the 1% threshold of the OSHA Hazard Communication Standard and the PA Community Right to Know legislation. The additives also contain ingredients which are considered non-hazardous and are present in quantities less than the 3% threshold of the Pa Community Right to Know legislation. The hazard determination was made in accordance with 29 CFR 1910.1200 (d) (3&4).

SARA Hazard Classification

Immediate (Acute) Health: yes

Delayed (Chronic) Health: no

Sudden Release of Pressure: no

Reactive: no

Fire: no

TSCA Inventory Status: All ingredients of this product are listed on the TSCA Inventory.

SARA Title III, Section 302: This product does not contain any chemicals currently on the Extremely Hazardous Substance List, Section 302, SARA Title III.

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Supreme Page 5

WHMIS Classification: Not Controlled.

Prepared by the Safety & Environmental Affairs Committee

Issued 09/04/07 REV: 0

Supersedes: 10/30/90

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Section I: Supplier

The Flexite Company
Division of Rapid Injection Systems Corp.
40 Roselle Street
Mineola, NY 11501

Phone: (516) 746-2622
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Website: www.Flexitecompany.com

Section II: Physical Data

Boiling Point: N/A
Vapor Pressure: N/A
Evaporation Rate: N/A
Solubility in Water: Insoluble
Appearance and Color: Clear, Odorless granules.

Specific Gravity (Water = 1) 1.01
% Volatile by Volume: Max. 0.1 (water)
Material Form: Solid
% Solid by Weight: 99.9

Section III: Fire and Explosion Hazard Data

FlashPoint: >400 Degree Celsius
Special Fire Fighting Procedures: None
Unusual Fire and Explosion Hazards: None
Extinguishing Media: Any cooling or oxygen excluding method

NFPA Ratings:
Health - 1
Flammability - 1
Reactivity - 0

Section IV: Health Hazard Data

Threshold Limit Value: No established Value, Product is inert.
Effects of Overexposure: N/A
Primary Routes of Entry: Skin contact, inhalation of fumes
Emergency & First Aid Procedures:

Skin Contact - Should molten material contact skin during processing, cool affected area with water and exclude air. Treat for burn.

Inhalation- If problems arise due to excessive fuming, remove subject to fresh air.

HMIS Rating: Health - 1 Flammability - 1; Reactivity - 0; PPE-B

Section V: Reactivity Data

Stability: Stable
Incompatibility (materials to avoid): Strong oxidizing Agents
Conditions to Avoid: Temperatures above 600 degrees Fahrenheit (315 Degrees Celsius)
Hazardous Decomposition Products: Potential decomposition gases have not been fully determined. Complete thermal decomposition may generate very small amounts of CO, CO₂, and water vapor plus trace amounts of HCN and oxides of nitrogen.

Section VI: Spill or Leak Procedures

Clean Up: Sweep up and deposit in dry waste container to avoid loose granules causing possible loss of footing.

Waste Disposal Method: Not critical - treat as conventional solid waste in accordance with local, state and federal regulations.

Section VII: Special Protection Information

Respiratory Protection: Not required.

Local Exhaust: Provide exhaust processing machinery in common with accepted practice.

Protective Gloves: Recommended during processing to avoid thermal burns from molten material or hot molded or extruded end products.

Eye-Protection: Use of eye protection during processing is recommended in accordance with accepted industry safety precautions.

Section VIII: Special Precautions

Storing: Hygroscopic material- keep dry in closed container or sealed bags. Excessive moisture will result in degradation during processing.

This Material Safety Data Sheet (MSDS) is presented in good faith, based on currently available information, and is accurate to the best of our knowledge. The user is solely responsible for 1) following all instructions, recommendations and directions; 2) deciding whether this product or the information about this product is suitable for its use; 3) providing this MSDS and all other information about this product to any subsequent uses; 4) meeting all applicable health and safety standards and regulations; and 5) ensuring that no patent infringement occurs.

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MATERIAL SAFETY DATA SHEET

PRODUCT NAME: FLEXITE GUARD THERMOPLASTIC RUBBER

CHEMICAL NAME: STYRENE-ETHYLENE/BUTYLENE-STYRENE BLOCK COPOLYMER

CHEMICAL FAMILY: BLOCK COPOLYMER

ACUTE HEALTH RATING: 0 FIRE RATING: 1 REACTIVITY : 0

HAZARD RATING: LEAST=0, SLIGHT=1, MODERATE=2, HIGH=3, EXTREME=4

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SECTION II

ACUTE TOXICITY DATA

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NO. ACUTE ORAL LD50

ACUTE DERMAL LD50

ACUTE INHALATION LC50

--

P NOT APPLICABLE

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SECTION III

HEALTH INFORMATION

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THE HEALTH EFFECTS NOTED BELOW ARE CONSISTENT WITH REQUIREMENTS UNDER THE DSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200).

EYE CONTACT

BASED ON THE PRESENCE OF COMPONENT 5, PRODUCT MAY CAUSE MILD MECHANICAL IRRITATION TO THE EYES.

SKIN CONTACT

BASED ON THE PRESENCE OF COMPONENT 5, PRODUCT IS PRESUMED TO BE MINIMALLY IRRITATING TO THE SKIN.

INHALATION

BASED ON THE PRESENCE OF COMPONENT 5, PRODUCT MAY CAUSE MILD MECHANICAL IRRITATION TO THE NOSE, THROAT AND RESPIRATORY TRACT.

PRODUCT NAME: FLEXITE GUARD PAGE 2

INGESTION

PRODUCT IS GENERALLY CONSIDERED TO HAVE A LOW ORDER OF ACUTE ORAL TOXICITY.

SIGNS AND SYMPTOMS

IRRITATION IS NOTED ABOVE.

AGGRAVATED MEDICAL CONDITIONS

PREEXISTING EYE, SKIN AND RESPIRATORY DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT.

SECTION IV OCCUPATIONAL EXPOSURE LIMITS

NO.	OSHA PEL/TWA	OSHA PEL/CEILING	ACGIH TLV/TWA	ACGIH TLV/STEL	OTHER
5	5 MG/M3*				
5	15 MG/M3**		10 MG/M3*		
6	10 MG/M3**		10 MG/M3*		
6			5 MG/M3*		
7	15 MG/M3* *				
7	5 MG/M3*				

* RESPIRABLE DUST ** TOTAL DUST

SECTION V EMERGENCY AND FIRST AID PROCEDURES

EYE CONTACT

FLUSH EYES WITH WATER. IF IRRITATION OCCURS, GET MEDICAL ATTENTION.

SKIN CONTACT

IF CONTACT WITH MOLTEN PRODUCT OCCURS, TREAT AS FOR ORDINARY BURNS.

INHALATION

NOT ORDINARILY REQUIRED: REMOVE PERSON FROM DUSTY ENVIRONMENT.

INGESTION

NOT ORDINARILY REQUIRED.

SECTION VI SUPPLEMENTAL HEALTH INFORMATION

ALL EVIDENCE INDICATES THAT LARGE POLYMER MOLECULES ARE NOT BIOLOGICALLY ACTIVE.

PRODUCT NAME: FLEXITE GUARD PAGE 3

SECTION VII **PHYSICAL DATA**

BOILING POINT: NOT APPLICABLE SPECIFIC GRAVITY: <1 VAPOR PRESSURE: NOT
APPLICABLE (DEG F) (H2O=1) (MM HG)
MELTING POINT: NOT APPLICABLE SOLUBILITY: NEGLIGIBLE VAPOR DENSITY: NOT APPLICABLE
(DEG F) (IN WATER) (AIR=1)
EVAPORATION RATE (N-BUTYL ACETATE = 1) : NOT APPLICABLE
APPEARANCE AND ODOR:
SOLID, ESSENTIALLY ODORLESS.

FLASH POINT AND METHOD: NOT APPLICABLE **FLAMMABLE LIMITS % VOLUME IN AIR**
LOWER: N/APL UPPER: N/APL

EXTINGUISHING MEDIA
USE WATER FOG, FOAM, DRY CHEMICAL OR CO2.

SPECIAL FIRE FIGHTING PROCEDURES AND PRECAUTIONS
MATERIAL WILL NOT BURN UNLESS PREHEATED. DO NOT ENTER CONFINED FIRE SPACE WITHOUT FULL BUNKER GEAR (HELMET WITH FACE SHIELD, BUNKER COATS, GLOVES AND RUBBER BOOTS), INCLUDING A POSITIVE PRESSURE NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER.

SECTION IX **REACTIVITY**

STABILITY: STABLE HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

CONDITIONS AND MATERIAL TO AVOID:
AVOID CONTACT WITH STRONG OXIDIZING AGENTS.

HAZARDOUS DECOMPOSITION PRODUCTS
AT PROCESSING TEMPERATURES, SOME DEGREE OF THERMAL DEGRADATION WILL OCCUR. ALTHOUGH HIGHLY DEPENDENT ON TEMPERATURE AND ENVIRONMENTAL CONDITIONS, A VARIETY OF DECOMPOSITION PRODUCTS MAY BE PRESENT RANGING FROM SIMPLE HYDROCARBONS (SUCH AS METHANE AND PROPANE) TO TOXIC/IRRITATING GASES (CARBON MONOXIDE AND DIOXIDE, ACROLEIN, ACIDS, KEYTONES, ALDEHYDES). SEE SPECIAL PRECAUTIONS.

SECTION X

EMPLOYEE PROTECTION

RESPIRATORY PROTECTION

USE A HIOSH-APPROVED RESPIRATOR AS REQUIRED TO PREVENT OVEREXPOSURE. IN ACCORD WITH 20 CFR 1910. 134, USE EITHER AN ATMOSPHERE-SUPPLYING RESPIRATOR OR AN AIR-PURIFYING RESPIRATOR FOR PARTICULATES.

PRODUCT NAME: FLEXITE GUARD PAGE 4

PROTECTIVE CLOTHING

SAFETY GLASSES AND PROTECTIVE CLOTHING SHOULD BE WORN WHEN PRODUCT IS HEATED IN PROCESSING.

ADDITIONAL PROTECTIVE MEASURES

VENTILATION AS REQUIRED TO CONTROL DUST CONCENTRATION IN AIR. ADEQUATE VENTILATION AND/OR ENGINEERING CONTROLS ARE REQUIRED WHEN PRODUCT IS HEATED IN PROCESSING.

SECTION XI

ENVIRONMENTAL PROTECTION

SPILL OR LEAK PROCEDURES

SHOVEL AND SWEEP UP OR USE INDUSTRIAL VACUUM CLEANER. AVOID GENERATING DUST CLOUDS. PUT INTO CONTAINERS FOR RECLAIMING OR DISPOSAL.

SECTION XII

SPECIAL PRECAUTIONS

FLEXITE PRO-GUARD RUBBER HAS A TENDENCY TO ACCUMULATE STATIC CHARGE DURING TRANSPORT, HANDLING AND PROCESSING. REDUCING THE VELOCITY OF TRANSPORT WILL REDUCE CHARGING. STATIC CHARGE BUILDUP CAN BE A POTENTIAL FIRE HAZARD WHEN USED IN PRESENCE OF VOLATILE OR FLAMMABLE MIXTURES.

PRACTICE GOOD HOUSEKEEPING. DO NOT ALLOW PRODUCT TO ACCUMULATE IN PROCESSING AREA.

IN PROCESSING, DO NOT ALLOW THE TEMPERATURE TO EXCEED 550 DEG F. MAINTAIN A FIRE WATCH IF 550 DEG F IS REACHED.

AVOID VAPORS FROM HEATED PRODUCTS. ADEQUATE VENTILATION AND/OR ENGINEERING CONTROLS MUST BE EMPLOYED IN HIGH TEMPERATURE PROCESSING TO PREVENT EXPOSURE TO POTENTIALLY TOXIC/IRRITATING FUMES.

SECTION XIII

TRANSPORTATION REQUIREMENTS

DEPARTMENT OF TRANSPORTATION CLASSIFICATION:
NOT HAZARDOUS BY D.O.T. REGULATIONS

THE DOT INFORMATION IN THIS SECTION IS BASED UPON AN EVALUATION OF THE PRODUCT AGAINST THE REQUIREMENTS OF 49 CFR 172 & 173 AS REVISED BY HM-181.

SECTION XIV

OTHER REGULATORY CONTROLS

THE COMPONENTS OF THIS PRODUCT ARE LISTED ON THE EPA/TSCA INVENTORY OF CHEMICAL SUBSTANCES.

PROTECTION OF STRATOSPHERIC OZONE (PURSUANT TO SECTION 611 OF THE CLEAN AIR ACT AMENDMENTS OF 1990): PER 40 CFR PART 82. THIS PRODUCT DOES NOT CONTAIN NOR WAS IT DIRECTLY MANUFACTURED WITH ANY CLASS I OR LCASS II OZONE DEPLETING SUBSTANCES.

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IN ACCORDANCE WITH SARA TITLE III. SECTION 313, THE ENVIRONMENTAL DATA SHEET (EDS) SHOULD ALWAYS BE COPIED AND SENT WITH THE MSDS.

SECTION XV

STATE REGULATORY INFORMATION

BASED ON INFORMATION AVAILABLE TO R.I.S. CORP, THUIS PRODUCT DOES NOT CONTAIN ANY CHEMICAL SUBSTANCE REGULATED BY A SPECIFIC STATE LIST.

SECTION XVI

SPECIAL NOTES

THE INFORMATION CONTAINED HEREIN IS BASED ON THE DATA AVAILABLE TO US AND IS BELIEVED TO BE CORRECT. HOWEVER, R.I.S. MAKES NO WARRANTY, EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THESE DATA OR THE RESULTS TO BE OBTAINED FROM THE USE THEROF. R.I.S. CORPORATION ASSUMES NO RESPONSIBILITY FOR INJURY FROM THE USE OF THE PRODUCT DESCRIBED HEREIN.

DATE PREPARED: SEPTEMBER 4, 2007

FLEXIL Material Safety Data Sheet

MANUFACTURED BY:
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REVISED: 9/4/2007

I - PRODUCT IDENTIFICATION:

PRODUCT IDENTIFICATION: SILICONE RUBBER
CHEMICAL FAMILY: SILICONE RUBBER
FORMULA: MIXTURE

II - PRODUCT COMPONENTS:

<u>PRODUCT COMPOSITION</u>	<u>APPROX.</u> <u>%</u>	<u>ACGIH</u> <u>TLV</u>	<u>OSHA</u> <u>PEL</u>	<u>UNITS</u>	<u>CAS REG</u> <u>NO.</u>
A. HAZARDOUS					
METHYLTRIAACETOXYSILANE	< 10%	10	---	PPM	4253-34-3*
B. NON-HAZARDOUS					

III - PHYSICAL DATA:

PRODUCT INFORMATION
BOILING POINT :NA (F) NA (C) % VOLATILE BY VOLUME: <5
VAPOR PRESSURE (20 C):NA MM HG EVAPORATION RATE: <1
VAPOR DENSITY(AIR=1):NA (BUTYL ACETATE=1)

FREEZING POINT :NA (F) NA (C) SPECIFIC GRAVITY : 1.1
MELTING POINT :NA (F) NA (C) (WATER=1)
PHYSICAL STATE : PASTE DENSITY :UNKN KG/M3
ODOR :ACETIC ACID ACIDITY/ALKALINITY:NA MEG/G
COLOR : TRANSLUCENT PH : NA
SOLUBILITY IN WATER(20 C) : INSOLUBLE
SOLUBILITY IN ORGANIC SOLVENT: UNKN (STATE SOLVENT)

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IV - FIRE AND EXPLOSION DATA:

FLASH POINT: 210 (F) 98.9 (C) BY PMCC. IGNITION TEMP: UNKN (F) UNK (C)

FLAMMABLE LIMITS IN AIR (%): LOWER UNKN UPPER UNKN

EXTINGUISHING MEDIA: ALL STANDARD FIREFIGHTING MEDIA

SPECIAL FIREFIGHTING PROCEDURES: NONE KNOWN

V - REACTIVITY DATA:

STABILITY: X STABLE

HAZARDOUS: POLYMERIZATION WILL NOT OCCUR

HAZARDOUS DECOMPOSITION PRODUCTS: SILICON DIOXIDE & ACETIC ACID.

INCOMPATIBILITY (MATERIALS TO AVOID): NONE KNOWN.

CONDITIONS TO AVOID: NONE KNOWN.

VI - HEALTH HAZARD DATA:

ACUTE SIGNS / EFFECTS OF EXPOSURE:

INGESTION: MAY CAUSE STOMACH DISCOMFORT

SKIN CONTACT: UNCURED PRODUCT CONTACT WILL IRRITATE LIPS, GUMS AND TONGUE.

UNCURED PRODUCT CONTACT MAY IRRITATE THE SKIN.

INHALATION: CAUSES MODERATE RESPIRATORY IRRITATION.

CAUSES IRRITATION OF THE MOUTH NOSE, AND THROAT.

APPLIES ONLY IN UNCURED STATE.

EYE CONTACT: UNCURED PRODUCT CONTACT IRRITATES EYES.

MEDICAL CONDITIONS AGGRAVATED: NONE KNOWN.

OTHER: NONE KNOWN.

CHRONIC EFFECTS OF EXPOSURE: NONE KNOWN.

EMERGENCY AND FIRST AID PROCEDURES:

INGESTION: NONE KNOWN

SKIN: TO CLEAN FROM SKIN, REMOVE COMPLETELY WITH A DRY CLOTH OR PAPER TOWEL, BEFORE WASHING WITH DETERGENT AND WATER.

INHALATION: MOVE PERSON TO FRESH AIR.

EYES: IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES AND GET MEDICAL ATTENTION IF IRRITATION PERSISTS.

THE FLEXITE COMPANY

INJECTION MACHINES AND THERMOPLASTICS FOR DENTAL TECHNOLOGY

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MATERIAL SAFETY DATA SHEET

PRODUCT NAME: FLEXITE ULTRA

HAZARDOUS INGREDIENTS:

This product is considered an "ARTICLE" under the guidelines of the Federal OSHA Hazard Communication Standard, 29 CFR, Part 1910.1200, therefore, this product is not under the jurisdiction of the 29 CFR, Part 1910 Standard.

1. INGREDIENTS:

Chemical Name: Polyamide

Chemical Family: Polyamide

2. PHYSICAL DATA:

BOILING POINT: None

VAPOR PRESSURE: None

VAPOR DENSITY (AIR=1): N/A

SOLUBILITY IN WATER: Insoluble

APPEARANCE AND COLOR: Clear, odorless granules, approx. 1/8" cubes

THE MATERIAL IS: Solid pellets

SPECIFIC GRAVITY (WATER=1) 1.06

% VOLATILE BY VOLUME (WATER): Max 0.1%

EVAPORATION RATE: N/A

% SOLID BY WEIGHT: 99.9%

3. FIRE AND EXPLOSION HAZARD DATA:

FLASH POINT: N/A

EXTINGUISHING MEDIA: Water, dry chemical, foam, CO2

SPECIAL FIRE FIGHTING PROCEDURES: None

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

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4. HEALTH HAZARD DATA:

Threshold Limit Value: No established value. Product is inert.

Effects of Overexposure: Not applicable

Primary Routes of Entry: Skin contact

Emergency and First Air Procedures: Should molten material contact skin during processing, cool affected area with water and exclude air. Treat for burn.

5. REACTIVITY DATA:

Stability: Stable

Conditions To Avoid: Temperatures above 600 degrees F

Incompatibility (material to avoid): Strong oxidizing agents

Hazardous Decomposition Products: None to our knowledge

Hazardous Polymerization: Will not occur

6. SPILL OR LEAK PROCEDURES:

Clean Up: Sweep up and deposit in dry waste container to avoid loose granules causing possible loss of footing.

Waste Disposal Method: Not critical --treat as conventional solid waste in accordance with local, state and federal regulations.

7. SPECIAL PROTECTION INFORMATION:

Respiratory Protection: Not required

Local Exhaust: Provide exhaust over processing machinery in common with accepted practice.

Protective Gloves: Recommended during processing.

Eye Protection: Use of eye protection during processing is recommended in accordance with accepted industry safety procedures.

8. SPECIAL PRECAUTIONS:

Storing: Hygroscopic material -- keep dry in closed container or sealed bags.

9. TSCA

**ALL INGREDIENTS USED TO PRODUCE THE ABOVE MATERIAL
ARE LISTED IN THE TSCA INVENTORY AS REQUIRED BY FEDERAL
LAW.**