

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

TRADE NAME: egrips®TechnologyMaterial
CHEMICAL FAMILY: Polydimethylsiloxane Polymer
HMIS RATING: H 0 F 1 R 0
USE OF MATERIAL High Coefficient of Friction Material
DATE PREPARED: 04/26/2006

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS No.</u>	<u>EINECS /ELINCS</u>	<u>%</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>EU Classification</u>
Dimethyl Siloxane, Hydrogen Terminated	70900-21-9	NA	<6	NA	NA	NC
Glycidoxypropyl Trimethoxysilane	2530-83-8	219-784-2	<2	NA	NA	NC
Octamethylcyclotetrasiloxane	556-67-2	209-136-7	<2	NA	NA	NC
Dimethyl, Methylhydrogen Siloxane	68037-59-2	NA	<1	NA	NA	NC

The Material contains no other hazardous ingredients as defined in OSHA's Hazard Communication Standard 29 CFR 1910.1200 or EU directive 1999/45/EC, and do not present a health or environmental hazard according to directive 67/548/EC.

3. HAZARDS IDENTIFICATION

EFFECTS OF OVEREXPOSURE: None are expected with normal handling. Materials in Section 2 are encapsulated or compounded making release unlikely. Cutting and other finishing operations may create dust. Ventilation and personal protective equipment should be similar to operations generating nuisance dust.

INHALATION: Dusts may cause mechanical respiratory irritation.
EYE CONTACT: Dusts may cause mechanical irritation.
SKIN CONTACT: Material is non-irritating.
INGESTION: None known.
CHRONIC: None known.

4. FIRST-AID MEASURES

INHALATION:	If large amounts of dust are inhaled resulting in respiratory irritation, remove to fresh air. Seek medical attention if discomfort continues.
EYE CONTACT:	Flush eyes with water for 15 minutes. Seek medical attention if irritation persists.
SKIN CONTACT:	Wash dust off skin with soap and water.
INGESTION:	Not likely as a route of exposure. If large amounts of processing dusts are ingested resulting in gastrointestinal discomfort, seek medical attention.

5. FIRE-FIGHTING MEASURES

FLASH POINT: AUTOIGNITION TEMPERATURE:	NA °C (°F)	Flammable Limits:	LEL	NA	UEL	NA
EXTINGUISHING MEDIA:	<u> X </u> Water Spray <u> X </u> Dry Chemical	<u> X </u> Foam <u> </u> Other –	<u> X </u>	CO ₂		
SPECIAL FIRE FIGHTING PROCEDURES:	Decomposition in a fire may produce toxic fumes and siliceous char. Firefighters should be equipped with self-contained breathing apparatus and full turn out gear.					
UNUSUAL FIRE AND EXPLOSION HAZARDS:	NA					

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:	None needed.
ENVIRONMENTAL PRECAUTIONS:	None needed.
CLEANING METHODS:	Sweep or shovel spills into appropriate container for disposal.

7. HANDLING AND STORAGE

HANDLING:	No special requirements.
STORAGE:	Store in a cool, well-ventilated area.

8. ENGINEERING CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION:

VENTILATION

LOCAL:	Local exhaust ventilation is recommended during heating, finishing, hot wire, and laser cutting operations.
GENERAL:	Recommended as with all industrial operations.

PERSONAL PROTECTION

HAND:	None required.
EYE:	Safety glasses are recommended with all industrial operations.
OTHER:	None required.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Clear rubber with dimpled surface.
ODOR:	None
PHYSICAL STATE:	Solid
BOILING POINT:	NA
MELTING POINT:	NE
FREEZING POINT:	NE
WATER SOLUBILITY:	None
VAPOR PRESSURE:	NA
SPECIFIC GRAVITY:	1.7 (water = 1)
PARTITION COEFIECIENT:	NA
EXPLOSIVE PROPERTIES:	NA
EVAPORATION RATE:	NA
DENSITY:	1.7 g/cc
VISCOSITY:	NA
IGNITION TEMPERATURE:	NA
PH:	NA
FLAMMABILITY:	NA
OXIDIZING PROPERTIES:	NA

10. STABILITY AND REACTIVITY

STABLE UNSTABLE

MATERIALS TO AVOID:	None known.
HAZARDOUS POLYMERIZATION:	<input type="checkbox"/> May Occur <input checked="" type="checkbox"/> Does Not Occur
HAZARDOUS DECOMPOSITION PRODUCTS:	Carbon monoxide, carbon dioxide, formaldehyde, silicon dioxide, and traces of incompletely burned carbon compounds.

11. TOXICOLOGICAL INFORMATION

CARCINOGENIC STATUS:	None known.
ACUTE/CHRONIC:	Non-irritating material.
REPRODUCTIVE HAZARDS:	None known.

12. ECOLOGICAL INFORMATION

None known.

13. DISPOSAL CONSIDERATION

ENVIRONMENTAL TOXICITY DATA:	NA
WASTE DISPOSAL METHOD:	Dispose of in accordance with applicable federal, state, provincial and local laws and regulations.
CONTAINER DISPOSAL:	Dispose of in accordance with applicable federal, state, provincial and local laws and regulations.

14. TRANSPORT INFORMATION

DOT CLASSIFICATION: Non-Regulated

IMDG CLASSIFICATION: Non-Regulated

ICAO/IATA CLASSIFICATION: Non-Regulated

15. REGULATORY INFORMATION

INTERNATIONAL REGULATIONS:

Canadian (DSL/NDSL): NE
Australian (ACIS): NE
Korea (KECI): NE
Japan (ENCS, MITI): NE
EU Directive 2002/95/EC (RoHS): Compliant

European:

R-Phase(s): NA
S-Phase(s): NA

TSCA
(*Toxic Substances Control Act*): All ingredients are TSCA listed or exempt.

CERCLA
(*Comprehensive Emergency Response, Compensation, and Liability Act*): NA

SARA TITLE III
(*Superfund Amendments and Reauthorization Act*): NA

311/312 HAZARD CATEGORIES:

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and 40 CFR 372:

CAS #
NA

CHEMICAL NAME
NA

PERCENT BY WEIGHT
NA

16. OTHER INFORMATION

NA = Not Applicable
NE = Not Established
NC = Not Classified