

Spartech PEP
Korad[®] & Specialty Products

MATERIAL SAFETY DATA SHEET

1. PRODUCT and COMPANY INFORMATION

Spartech PEP, Inc.
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Newark, New Jersey 07105

Phone: (973) 522-2800
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Product Name: Korad[®] Klear

Product Codes: 05001, 05013, 05701, 05702, 05803, 05804, 96500

2. COMPOSITION and INFORMATION ON INGREDIENTS

<u>COMPONENTS</u>	<u>CAS #</u>	<u>Weight %</u>
1. Acrylic Copolymer	Not Regulated	90-99%
2. Proprietary Additives	Not Regulated	1-10%

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

May Evolve Irritating Fumes During Thermal Processing

POTENTIAL HEALTH EFFECTS:

EYES:

Fumes from heated product can irritate the eyes which may cause mild eye irritation. Symptoms include stinging, tearing, and redness.

SKIN

Unlikely to cause skin irritation. Contact with molten material can result in burns.

INGESTION

Low oral toxicity. Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful.

INHALATION

Unlikely to be hazardous vapors from over-heated product may cause irritation of lungs, nose, and throat.

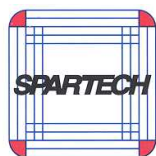
DEVELOPMENTAL INFORMATION

There is no data available for assessing risk to the fetus from maternal exposure to this material but adverse effects are unlikely.

CANCER INFORMATION

This material is not listed as a carcinogen by IARC, NTP, or OSHA.

REPRODUCTIVE EFFECTS:



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There is no data available for assessing possible reproductive system effects from exposure to this material but adverse effects are unlikely.

4. FIRST AID MEASURES

EYE CONTACT

Remove particles by irrigating with eye wash solution or clean water, holding the eyelids apart. Obtain medical attention.

SKIN

Unlikely to cause skin irritation. Wash skin with soap and water. Molten material can cause severe burns. Do NOT try to peel molten polymer from the skin. Cool rapidly with water. Obtain medical attention for thermal burn.

INGESTION

If ingested do not induce vomiting, call a physician.

INHALATION

Unlikely to cause respiratory tract irritation but fumes from heated film may cause irritation. Obtain medical attention if ill effects occur.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES:

FLASH POINT:	N/A
AUTOIGNITION POINT:	445° C/ 833° F
EXPLOSIVE LIMITS (%):	N/A

HAZARDOUS PRODUCTS OF COMBUSTION

This product is not readily ignitable. May decompose if heated above 280 Deg C. In the event of fire may evolve carbon monoxide, and hydrocarbons.

FIRE AND EXPLOSION HAZARDS

This product is a combustible thermoplastic material that burns vigorously with intense heat.

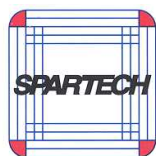
EXTINGUISHING MEDIA

Use dry chemical powder or carbon dioxide (CO₂). Water or foam may cause frothing which can be violent and possibly endanger the life of the firefighter. Water spray may be used to keep fire-exposed containers cool until fire is out.

FIRE FIGHTING INSTRUCTIONS

Wear self-contained, positive pressure breathing apparatus (MSHA/NIOSH approved, or equivalent) and full protective gear. See Section 16 for the NFPA 704 Hazard Rating.

6. ACCIDENTAL RELEASE MEASURES



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In the event of accidental release sweep or shovel spilled material into waste drums or plastic bags and re-use or recycle in accordance with all State, Local and Federal regulations. Should this material enter a waterway as the result of an accident during transport no extraordinary precautions are necessary.

7. HANDLING and STORAGE

HANDLING PRECAUTIONS

Handling Measures:

Processing of this material under high temperatures will cause hazardous emissions of vapors, carbon monoxide or carbon dioxide. Blower collecting and local exhaust ventilation systems should be installed to prevent contaminant dispersion into the air. Sawing of this product generates particulates regulated as "inert" or "nuisance" dusts. To minimize dust emissions, engineering controls should be employed, such as baghouse filters and cyclone separators.

STORAGE PRECAUTIONS

Maximum Storage Temperature:

99°C /210° F (above 100°C acrylate vapors may be evolved as material decomposition occurs).

Storage Measures:

Keep this material in a clean, cool and dry location away from heat sources. Natural ventilation is adequate. Storage at temperatures higher than the maximum temperature may result in the degradation of this product and the accumulation of vapors in enclosed unventilated storage areas.

8. EXPOSURE CONTROLS and PERSONAL PROTECTION

ENGINEERING CONTROLS

Provide sufficient mechanical (general and/or local exhaust) ventilation to control dust resulting from cutting grinding or polishing this material below the following exposure levels.

PEL(OSHA): Particulates (Not Otherwise Classified) 15 mg/m³, 8 Hr. TWA, total dust 5 mg/m³, 8 Hr. TWA, respirable dust.

TLV ACGIH): None Established

EYE PROTECTION

Wear eye/face protection during thermal and mechanical processing.

SKIN PROTECTION

Wear thermal gloves when handling hot masses. Wear work clothing covering arms and legs.

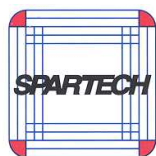
RESPIRATORY PROTECTION

None required under normal conditions. An approved dust mask should be worn if exposure to high levels of dust are likely.

9. PHYSICAL and CHEMICAL PROPERTIES

APPEARANCE

Clear solid



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ODOR

None

BASIC PHYSICAL PROPERTIES

MELTING POINT: 150° C/ 300° F
SPECIFIC GRAVITY (H2O=1): >1.0 g/cm³
PERCENT VOLATILES: < 0.5% (Maximum)

10. STABILITY and REACTIVITY

STABILITY:

This product is stable under recommended storage conditions.

INCOMPATIBLE MATERIALS

Avoid contact with strong oxidizers and strong solvents.

HAZARDOUS DECOMPOSITION PRODUCTS

Thermal decomposition or combustion may emit acrylate vapors and carbon monoxide.

11. TOXICOLOGICAL PROPERTIES

INHALATION:

Unlikely to be hazardous by inhalation.

SKIN CONTACT:

Unlikely to cause skin irritation.

EYE CONTACT:

Dust may cause irritation.

INGESTION:

Low oral toxicity.

12. ECOLOGICAL INFORMATION

No ecological data is currently available.

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with all applicable local, state and federal regulations.

14. TRANSPORTATION INFORMATION

DOT Information - 49 CFR 172.101

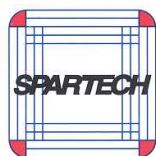
DOT Description: Not Regulated

15. REGULATORY INFORMATION

Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) section

Revision Date: 08/21/06

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102(a): Not Regulated

Resource Conservation and Recovery Act (RCRA): Recycle or dispose of in accordance with all applicable State, Local and Federal regulations.

Toxic Substances Control Act (TSCA): The components of this product are on the TSCA inventory list.

Superfund Amendment and Reauthorization Act (SARA) Title III: Reporting of any trace residual acrylate monomers is not required because the concentrations of these materials if present are below the de-minimis threshold contained in (40 CFR Part 370).

International Regulations Inventory Status: Not determined

State and Local Regulations: California Proposition 65 None

16. OTHER INFORMATION

ABBREVIATIONS :

ACGIH	American Conference of Governmental Industrial Hygienists	NTP	National Toxicology Program
AIHA	American Industrial Hygiene Association	OPA	Oil Pollution Act of 1990
ANSI	American National Standards Institute (212) 642-4900	OSHA	U.S. Occupational Safety & Health Administration
API	American Petroleum Institute (202) 682-8000	PEL	Permissible Exposure Limit (OSHA)
CERCLA	Comprehensive Emergency Response, Compensation, and Liability Act	RCRA	Resource Conservation and Recovery Act
DOT	U.S. Department of Transportation [General info: (800) 467-4922]	REL	Recommended Exposure Limit (NIOSH)
EPA	U.S. Environmental Protection Agency	SARA	Superfund Amendments and Reauthorization Act of 1986 Title III
HMIS	Hazardous Materials Information System	SCBA	Self-Contained Breathing Apparatus
IARC	International Agency For Research On Cancer	SPCC	Spill Prevention, Control, and Countermeasures
MSHA	Mine Safety and Health Administration	STEL	Short-Term Exposure Limit (generally 15 minutes)
NFPA	National Fire Protection Association (617) 770-3000	TLV	Threshold Limit Value (ACGIH)
NIOSH	National Institute of Occupational Safety and Health	TSCA	Toxic Substances Control Act
NOIC	Notice of Intended Change (proposed change to ACGIH TLV)	TWA	Time Weighted Average (8 hr.)
		WEEL	Workplace Environmental Exposure Level (AIHA)
		WHMIS	Canadian Workplace Hazardous Materials Information System

DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES

The information contained in this material safety data sheet (MSDS) is believed to be accurate. No warranty expressed or implied is made with respect to the accuracy of the information contained herein. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.