



Material Safety Data Sheet

Section 1 - Chemical Product / Company Information

Product Name:	Spec-Grip	Revision Date:	08/10/2005
Identification Number:	SWSG	Supercedes :	08/10/2005
Supplier:	Spec-West 10054 Mills Station Road Sacramento, CA 95827 916-361-1300	Emergency #	800-424-9300 Chemtrec

Section 2 - Composition / Information On Ingredients

COMPONENTS	OSHA PEL
Polypropylene homopolymer CAS # 9003-07-0	5mg/m3 (dust)

AVOID HIGH CONCENTRATIONS OF POLYMER FUMES WHEN MELTING.

Trace impurities and additional material names not listed above may also appear in Regulatory information section (#1S) towards the end of the MSDS. These materials may be listed for local "Right to Know" compliance and for other reasons.

Section 3 - Hazards Identification

*****EMERGENCY OVERVIEW*****

These products are micronized powders. Static charges on the powders may ignite flammable atmospheres. High levels of product dust in the atmosphere may present a dust explosion hazard.

No significant health hazard expected from exposure to products.

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: Treat powder as a nuisance dust. Keep dust level below 5mg/m3 for respirable fraction and 10mg/m3 for total dust (ACGIH/TWA). OSHA PEL 5mg/m3. Exposure may cause dizziness, headache, respiratory irritation or unconsciousness.

EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE: Particulates may cause mechanical eye irritation. Flush eyes with copious amounts of water for at least 15 minutes.

SKIN CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE: Negligible dermal irritant. Exposure may lead to itching, scaling, drying and irritation of skin.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: Generally non toxic unless large quantities are ingested

HEALTH HAZARDS (ACUTE & CHRONIC)

ACUTE EFFECTS: High concentrations of polymer fumes may cause eye, nose and respiratory irritation, dizziness or unconsciousness.

CHRONIC EFFECTS: Repeated skin contact can lead to drying, defatting, itching, stinging and irritation. IARC has reviewed studies on polyethylene (19, 157, 79) and found that they "do not permit an evaluation of its carcinogenicity."

N.T.P. CARCINOGEN: No I.A.R.C. CARCINOGEN: No OSHA REGULATED: No

MEDICAL CONDITIONS GENERALLY AGGREGATED BY EXPOSURE: May irritate people with skin problems, asthma and lung diseases. Susceptible individuals may have an allergic reaction.

Section 4 - First Aid Measures

IF IN EYES: Flush with copious amounts of water for at least 15 minutes. If irritation persists, consult a physician.

IF ON SKIN: If burned by hot wax, quench adequately with cold tap water. Dry burn area and loosely cover to protect against infection. Do not apply ointment or salves. For skin irritation, wash skin with soap and water and use emollient skin cream.

IF INHALED: Treat as a nuisance dust. Remove victim to fresh air and provide oxygen if breathing is difficult.

IF INGESTED: Induce vomiting if large quantities are ingested. Do not give anything to an unconscious person.

INSTRUCTION FOR PHYSICIANS

No specific advice. Treat according to symptoms present.

Section 5 - Fire Fighting Measures

Flammable Properties:	Flash Point	>530 F	277 C
	Method Used	ASTM D-92	COC
	Auto Ignition	Not Determined	

Flammable limits by Volume % in Air: Lower: Not Determined Upper: Not Determined

OSHA Flammability Class: Combustible Solid

EXTINGUISHING MEDIA: Carbon Dioxide, dry chemical or fine water spray. Avoid water stream on molten burning material as it may scatter and spread the fire.

Section 6 – Accidental Release Measures

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Wear recommended personal protective equipment. Remove ignition sources. Sweep up with a minimum of dusting. Keep away from heat or flame. Collect in containers (e.g. fiberboard drums or cartons). If hot liquid, attempt to confine spill and let the polymer solidify. Once solid, it may be recovered as the powder. Report major leaks and spills to the appropriate local, state and federal government agencies.

See the Regulatory Information section (#15) regarding reporting requirements.

Section 7 - Handling And Storage

NORMAL HANDLING: (Always wear recommended personal protective equipment.)

Avoid breathing fumes from heating operations. Avoid spillage which can cause very slippery conditions on floors. Use good personal hygiene and housekeeping.

*****STATIC ELECTRICITY AND FINE PARTICLE SIZE WAXES*****

Electrostatic charges of non-conductive materials is a natural phenomenon ranging from harmless to a nuisance to a hazard, depending on the degree of charging and the environment where the discharge takes place.

In the case of micronized polymers and waxes, very high levels of static electricity develop in their manufacture, transportation and handling. These products, being poor conductors of electricity, can and will hold a static charge for long periods of time. With this in mind, a great deal of care should be exercised when handling this type of product in or around flammable liquids, particularly if the liquid is at or near its flashpoint.

The generation of static electricity cannot be prevented because its intrinsic origins are present at every particle interface. Some common sense approaches to the hazards involved with static electricity are as follows:

- Use only conductive equipment and keep all components grounded and bonded to the same vessel in order to equalize any potential charge.

- Avoid projections and probes that could lead to discharge between the charged polymer and a probe.
- Avoid a flammable condition by the use of inert gases in the container or by providing sufficient exhaust so as to prevent a buildup of flammable solvent vapors.
- Never pour micronized polymers or waxes from a drum or large container directly into hot flammable solvents.
- Add micronized polymers or waxes slowly and in small quantities to hot flammable solvents.
- Do not permit the product to free fall directly into the solvent. Use a pipe or chute that leads down to the level of the solvent. Make sure the pipe or chute is grounded and/or bonded.
- If mechanical equipment must be used, a slow-turning screwfeeder that is grounded and/or bonded is preferred.
- Good housekeeping is of prime importance. The building and equipment should be designed to eliminate shelves and ledges and similar places where materials can accumulate.

The above are only suggestions and should not be taken as recommended practices in your establishment. A more detailed discussion and recommended practices can be found in NFPA 77 issued by the National Fire Protection Association Inc. in 1988.

STORAGE RECOMMENDATIONS:

Avoid excessive heat. Do not store near strong oxidizing agents and amines.

Section 8 - Exposure Controls / Personal Protection

ENGINEERING CONTROLS:

Use adequate ventilation during heating processes or if dusty conditions prevail when handling powdered materials. For storage and ordinary handling, general ventilation is adequate.

RESPIRATORY PROTECTION: Use a NIOSH approved dust respirator with powdered wax. During melting or conveying in molten state, use organic vapor respirator.

VENTILATION: Face velocity greater than 60 cfm (adequate to capture wax dust or fumes) .

SKIN PROTECTION: Use heat resistant, impervious gloves to avoid repeated/prolonged skin contact with molten material and powder. Other protective garments as necessary.

EYE PROTECTION: Chemical goggles around molten material and in dusty conditions.

OTHER PROTECTIVE EQUIPMENT OR CLOTHING: As needed to prevent repeated/prolonged contact.

WORK/HYGENIC PRACTICES: Wash skin thoroughly with soap and warm water after handling and before smoking, eating or applying makeup. If clothes become contaminated, change to clean clothing. Do not wear contaminated clothing until properly laundered.

EXPOSURE GUIDELINES

Powdered forms may generate nuisance particulates upon handling: ACGIH TLV = 10 mg/m³. OSHA PEL 5mg/m³.

Section 9 - Physical And Chemical Properties

Appearance:	White
Physical State:	Solid
Odor:	Typical Wax Odor
Vapor Pressure:	NIL
Vapor Density:	Heavier than air
Boiling Point:	Not Applicable
Melting Point:	330 F 166 C
Flash Point:	>530 F 277 C
Density:	0.90 g/cc
PH	Not Applicable
Viscosity:	Not Applicable
% Volatiles	Zero

Section 10 - Stability And Reactivity

STABILITY: Stable at normal conditions.

CONDITIONS TO AVOID: Extreme heat, sparks, and open flame.

INCOMPATIBILITY (AVOID CONTACT WITH): Strong oxidizing agents and amines.

HAZARDOUS DECOMPOSITION PRODUCTS AND/OR BY PRODUCTS:

Fumes, smoke, carbon dioxide, carbon monoxide and combustible gases may be generated.

HAZARDOUS POLYMERIZATION: Should Not Occur

Section 11 - Toxicological Information

IMMEDIATE (ACUTE) EFFECTS:

No data developed.

DELAYED (SUBCHRONIC & CHRONIC) EFFECTS:

No data developed.

OTHER DATA:

No other data developed.

Section 12 - Ecological Information

ECOLOGICAL PROFILE:

No data have been developed on this subject. These polymeric products are not soluble *in* water. They are not considered biodegradable.

Section 13 - Disposal Information

WASTE DISPOSAL METHOD: Assume conformity with applicable disposal regulations. Dispose of absorbed material at approved incineration or chemical landfill waste disposal site.

RCRA: Is the unused product a RCRA hazardous waste if discarded? No.

The information offered here *is* for the product as shipped. Use and/or alterations to the product such as mixing with other materials may significantly change the characteristics of the material and alter the RCRA classification and the proper disposal method.

Section 14 - Transportation Information

Printing Ink Components Class 55. DOT Regulated: Non-Hazardous.

Section 15 - Regulatory Information

T.S.C.A: These products are listed on the TSCA Inventory.

CONFORMS TO THE FOLLOWING FDA SECTIONS: 21 CFR 177.1520

CALIFORNIA PROP65 INFORMATION: Not Regulated.

STATE RIGHT TO KNOW INFORMATION:

NJRTK or CAS# : 9003-07-0 Polypropylene homopolymer CAS # 9003-07-0

WHMIS CLASSIFICATION (CANADA):

Not subject to WHMIS regulations.

INTERNATIONAL INVENTORY STATUS:

DSL, EINECS (monomers), AICS, ECL, PICCS

SARA TITLE III: This product is subject to SARA Title III reporting?

Section 311/312 - Immediate/Acute Health (irritant): YES

Section 302 - Contains an extremely hazardous substance: NO

Section 313 - This product does not contain any toxic chemical listed under Sec. 313 of the Emergency Planning and Community Right-To-Know Act of 1986.

CLEAN WATER ACT - Priority Pollutants: Contains no known priority pollutants at concentrations greater than 0.1%.

HEAVY METAL ANALYSIS (Typical) in PPM

Pb Cd Ba Ag Sb Hg Cr As Se Al Cu Ni Zn 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0 1.0

Section 16 - Other Information

HMIS Ratings:

Health: 1 Flammability: 1 Reactivity: 0 Physical: E

VOLATILE ORGANIC COMPOUNDS, g/L: 0

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