

FROM :MINIGRIP SRC

FAX NO. :8323722611

May. 28 2004 03:34PM P2

TL Packaging # 88-02151-000

MATERIAL SAFETY DATA SHEET
MINIGRIP/ZIP-PAK For TL Packaging
RECLOSABLE BAGS
1650 N. HEIDEKE
SEGUIN, TEXAS 78155

PAGE: 1
DATE PREPARED: April 24, 1996
MSDS NO.: 87805685

PRODUCT NAME:
Minigrip Reclosable Bags
CHEMICAL NAME:
Polyethylene or Ethylene-Olefin Copolymer
CHEMICAL FAMILY:
Ethylene-Based Polymer
PRODUCT DESCRIPTION:
Odorless opaque white pellets or granules.

** EMERGENCY TELEPHONE NUMBER (24 Hours) **
** MINIGRIP/ZIP-PAK (800) 733-5463 **

NON EMERGENCY TELEPHONE NUMBERS: (8am-5pm M-F)
FOR HEALTH AND SAFETY AND GENERAL PRODUCT INFORMATION
CALL: (830) 372-4400

SECTION 2 COMPOSITION / INFORMATION ON INGREDIENTS

This product is not hazardous as defined in 29 CFR 1910.1200

SECTION 3 HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS

EYE CONTACT:

Particulates may scratch eye surfaces / cause mechanical irritation.

SKIN CONTACT:

Negligible hazard at ambient temperature (-18 to +38 degrees C; 0 to 100 degrees F).

Exposure to hot material may cause thermal burns.

INHALATION:

Negligible hazard at ambient temperature (-18 to 38 Deg C; 0 to 100 Deg F)

Vapors and / or aerosols which may be formed at elevated temperatures may be irritating

To eyes and respiratory tract.

Low order of toxicity.

INGESTION:

Minimal toxicity.

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SECTION 4 FIRST AID MEASURES

EYE CONTACT:

This product is an inert solid. If in eye, remove as one would any foreign object.

SKIN CONTACT:

For hot product, immediately immerse in or flush the affected area with large amounts of cold water to dissipate heat. Cover with clean cotton sheeting or gauze and get prompt medical attention. No attempt should be made to remove material from skin or to remove contaminated clothing, as the damaged flesh can be easily torn.

INHALATION:

First aid is normally not required.

INGESTION:

First aid is normally not required.

SECTION 5 FIRE - FIGHTING MEASURES

FLASHPOINT: 649 Deg F. **METHOD:** ASTM E136 **NOTE:** Estimated Minimum
FLAMMABLE LIMITS: **NOTE:** No applicable
AUTOIGNITION TEMP: 649 Deg F. **NOTE:** Estimated Minimum
GENERAL HAZARD

Solid material, may burn at or above the flashpoint, and airborne dust may explode if ignited.
Toxic gases will form upon combustion.
Static Discharge, material can accumulate static charges which can cause an incendiary electrical discharge.

FIRE FIGHTING

Use water spray to cool fire exposed surfaces, protect personnel, and extinguish the fire.
Respiratory and eye protection required for fire fighting personnel.

DECOMPOSITION PRODUCTS UNDER FIRE CONDITIONS

Oxygen-lean conditions may produce carbon monoxide and irritating smoke.

SECTION 6 ACCIDENTAL RELEASE MEASURES

LAND SPILL

Recover spill material and place in suitable containers for recycle or disposal. Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

WATER SPILL

Plastic pellets are defined by the US EPA under the Clean Water Act (40CFR122.26) as a "significant material" which requires any industrial plant that may expose pellets to storm water to secure a storm water permit.

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Violations of the rule carry the same penalties as other Clean Water Act violations. Pellets found in storm water runoff are subject to EPA regulations with the potential for substantial fines and penalties.

Skim from surface.

Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations. Recover the spilled material and place in suitable containers for recycle or disposal.

SECTION 7 STORAGE AND HANDLING

ELECTROSTATIC ACCUMULATION HAZARD:

Yes, use proper grounding procedure

STORAGE TEMPERATURE, Deg F:

Ambient

LOADING / UNLOADING TEMPERATURE, Deg F:

Ambient

STORAGE / TRANSPORT PRESSURE, mmHg:

Atmospheric

LOADING / UNLOADING VISCOSITY, cSt

Solid

STORAGE AND HANDLING:

Keep container closed. Handle and open containers with care.

Store in a cool, well ventilated place away from incompatible materials. Do NOT handle or store near an open flame, heat or other sources of ignition. Protect material from direct sunlight.

Material will accumulate static charges which may cause an electrical spark (ignition source). Use proper grounding procedures.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE CONTROLS

Local exhaust ventilation of process equipment may be needed to control particulate exposures to below the recommended exposure limit. See personal protection recommendations.

PERSONAL PROTECTION

For open systems at ambient temperature (-18 to 38 degrees C) where contact is likely, wear safety glasses with side shields.

Where contact may occur with hot material, wear thermal resistant gloves, arm protection, and a face shield.

WORKPLACE EXPOSURE GUIDELINES

OSHA REGULATION 29CFR1910.1000 REQUIRES THE FOLLOWING PERMISSIBLE

EXPOSURE LIMITS:

5 mg / m3 (respirable dust), and 15 mg / m3 (total dust) based on the OSHA PEL for nuisance dust.

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The recommended permissible exposure levels indicated above reflect the levels revised by OSHA in 1989 or in subsequent regulatory activity. Although the 1989 levels have since been vacated by the 11th Circuit Court of Appeals, Minigrip/Zip-Pak recommends that the lower exposure levels be observed as reasonable worker protection.
THE ACGIH RECOMMENDS THE FOLLOWING THRESHOLD LIMIT VALUES:
a TWA of 10 mg /m³ for Inhalable particulate (total dust) and a TWA of 3 mg /m³ for respirable particulate (total dust).

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

SPECIFIC GRAVITY at Deg F:	0.92 - 0.970
VAPOR PRESSURE, mmHg at Deg F:	Not applicable
SOLUBILITY IN WATER, wt. % at Deg F:	Insoluble
VISCOSITY OF LIQUID, cSt at Deg F:	Not applicable
SP. GRAY. OF VAPOR, at 1 atm (AIR = 1):	Not applicable
FREEZING / MELTING POINT, Deg F:	225 to 229 Deg F
EVAPORATION RATE, n-Bu Acetate + 1:	Not applicable
BOILING POINT, Deg F:	Not applicable

SECTION 10 STABILITY AND REACTIVITY

STABILITY:
Stable

CONDITIONS TO AVOID INSTABILITY:
Temperatures over 650 F (343 C) may cause resin degradation.

HAZARDOUS POLYMERIZATION:
Will not occur

CONDITIONS TO AVOID HAZARDOUS POLYMERIZATION:
Not Applicable

MATERIALS AND CONDITIONS TO AVOID INCOMPATIBILITY:
Fluorine
Strong Oxidizing agents

HAZARDOUS DECOMPOSITION PRODUCTS:
Not applicable

SECTION 11 TOXICOLOGICAL INFORMATION

Please refer to Section 3 for available information on potential health effects.

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SECTION 12 ECOLOGICAL INFORMATION

No specific ecological data are available for this product. Please refer to Section 6 for information regarding accidental releases and Section 15 for regulatory reporting information.

SECTION 13 DISPOSAL CONSIDERATION

Please refer to Section 5, 6, and 15 for disposal and regulatory information.

SECTION 14 REGULATORY INFORMATION

TSCA:

This product is listed on the TSCA Inventory.

CERCLA:

If this product is accidentally spilled, it is not subject to any special reporting under the requirements of the Comprehensive Environmental Response, Compensation and Liability Act. We recommend you contact local authorities to determine if there may be other local reporting requirements.

SARA TITLE III:

Under the provisions of Title III, Sections 311 /312 of the Superfund Amendments and Reauthorization Act, this product is classified into the following hazard categories:

Not Hazardous.

This product does not contain Section 313 Reportable Ingredients.

SECTION 15 OTHER INFORMATION

NOTES:

National Fire Protection Association standards NFPA 654 and 68 indicate possible explosion hazard of dust particles. Conform accordingly. Avoid accumulation of dust or dust clouds; operate handling and storage system leak free, practice good housekeeping.
Keep from sources of ignition. Do not store near heat, flame, or strong oxidants.
Assure proper electrical grounding of all handling equipment.

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Product may also contain varying levels of additives, such as slip and antilocking agents (calc or silica), antioxidants, stabilizers, and corrosion inhibitors.

SPECIAL PRECAUTIONS:

Should significant vapors / fumes be generated during thermal processing of this product, it is recommended that work stations be monitored for the presence of thermal degradation by-products which may evolve at elevated temperatures. It is recommended that the current ACGIH-TLVs for these materials be observed. Contact you Minigrip representative for further information.

HAZARD RATING SYSTEM:

This information is for people trained in:
National Paint & Coatings Association's (NPCA)
Hazardous Materials Identification System (HMIS)
National Fire Protection Association (NFPA 704)
Identification of the Fire Hazards of Materials:

	NPCA-HMIS	NFPA 704	KEY
HEALTH	2	2	4 = Severe
FLAMMABILITY		1	3 = Serious
REACTIVITY	0	0	2 = Moderate
			1 = Slight
			0 = Minimal

REFERENCE NUMBER
HDHA-K-10103

SUPERSEDES ISSUE DATE:

This information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the users responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information nor do we offer warranty against patent infringement.

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