

# PRODUCT SAFETY DATA SHEET

## 1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: "Max Protective Films" for the Metals Industry: "Max VCI" and Handwrap

SUPPLIER:

CONTACTS: For product and MSDS information, telephone your stretch film products sales representative or your customer service representative.

## 2. COMPOSITION / INGREDIENTS INFORMATION

INGREDIENTS CONSIDERED HAZARDOUS TO HEALTH:

Product component material contains inorganic salts. No product components are classified as carcinogens by IARC, NTP, or OSHA. See Section 15 for a regulatory analysis of ingredients. See Section 8 for exposure limits (if applicable).

## 3. HAZARDS IDENTIFICATION

U.S. OSHA HAZARD COMMUNICATION: Product assessed in accordance with OSHA requirements per 29 CFR 1910.1200 and determined to be not hazardous.

EFFECTS OF OVER EXPOSURE: No significant effects expected.

EMERGENCY RESPONSE DATA: Clear plastic film. Exposure to fire can generate toxic combustion byproducts.

D.O.T. ERG No.: N/A

## 4. FIRST AID MEASURES

EYE CONTACT: Not expected to be a problem.

SKIN CONTACT: Not expected to be a problem.

INHALATION: Not expected to be a problem.

INGESTION: Not expected to be a problem.

## 5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: Alcohol-resistant foam, Carbon dioxide, dry chemical powder, water fog.

SPECIAL FIRE FIGHTING PROCEDURES: Use water to keep fire-exposed containers cool. If a leak or spill has not ignited, use water spray to disperse the vapors and to protect personnel attempting to stop leak. Water spray may be used to flush spills away from exposures. Prevent fire control or dilution runoff from entering streams, sewers, or drinking water supply.

SPECIAL PROTECTIVE EQUIPMENT: For fires in enclosed areas, fire fighters must use self-contained breathing apparatus.

UNUSUAL FIRE & EXPLOSION HAZARDS: Exposure to fire can generate toxic fumes. Flash Point: not est. Flammable Limits: not est. Health: 0 Flammability: 1 Reactivity: 0

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Monoxide; Acetaldehyde; Formaldehyde Formic Acid; Acetic Acid

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## 6. ACCIDENTAL RELEASE MEASURES

NOTIFICATION PROCEDURES: Not expected to be a problem.

RELEASE / SPILL PROCEDURES: Pick up and dispose as normal refuse.

ENVIRONMENTAL PRECAUTIONS: Prevent spills from entering storm sewers / drains and prevent contact with soil.

PERSONAL PRECAUTIONS: See Section 8.

## 7. HANDLING AND STORAGE

HANDLING: Warning! Thin plastic film, when used to wrap pallet loads, can build a static electrical charge which may create a possible fire or explosion hazard. Do not apply or remove the wrap where potentially flammable air / dust or air / vapor mixtures may exist. To minimize static electricity buildup, cut away film from wrapped loads. Do not strip or unwind film.

STORAGE: Store in a cool area.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

VENTILATION: Use in well ventilated area.

RESPIRATORY PROTECTION: No special requirements under ordinary conditions of use and with adequate ventilation.

EYE PROTECTION: Normal industrial eye protection practices should be employed.

SKIN PROTECTION: Normal industrial skin protection practices should be employed (e.g.: gloves)

EXPOSURE LIMITS: This product does not have recognized exposure limits.

## 9. TYPICAL PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Flexible Plastic Film

AUTO FLAMMABILITY: Not Established

COLOR: Clear or Tinted

FLASH POINT: Not Established

FREEZING POINT: Not Established

MELTING POINT: > 82° C. / 180° F.

ODOR: Slight

PARTITION COEFFICIENT: Not Established

RELATIVE DENSITY, 15 / 4: 0.91 - 0.95

VOLATILE ORGANIC COMPOUND: Not established

WATER SOLUBILITY: Negligible

Request additional, technical information on stretch films' physical properties from sales representatives.

## 10. STABILITY AND REACTIVITY

STABILITY (THERMAL, LIGHT, ETC.): Stable

CONDITIONS TO AVOID: Extreme heat

INCOMPATIBILITY: Strong oxidizers

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide; Acetaldehyde; Formaldehyde; Formic Acid; Acetic Acid

HAZARDOUS POLYMERIZATION: Will not occur.

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#### 11. TOXICOLOGICAL DATA

- ORAL TOXICITY (Rats): Practically non-toxic (LD50: > 2000 mg/kg), based on tests of similar products and / or the components.
- DERMAL TOXICITY (Rabbits): Practically non-toxic (LD50: > 2000 mg/kg), based on tests of similar products and / or the components.
- INHALATION TOXICITY (Rats): Practically non-toxic (LC50: > 5 mg/ L), based on tests of similar products and / or the components.
- EYE IRRITATION (Rabbits): Practically non-irritating (Draize score:  $\geq 0$ ,  $\leq 6$ ).
- SKIN IRRITATION (Rabbits): Practically non-irritating (Primary Irritation Index:  $\leq 0.5$ ).

#### 12. ECOLOGICAL INFORMATION

ENVIRONMENTAL FATE AND EFFECTS: Photodegrades under lengthy exposure to UV light. Proper incineration yields carbon dioxide and water. May not decompose in modern sanitary landfills. May be recycled, where collection infrastructure and recycling facilities exist (SPI resin code 4).

#### 13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Dispose of waste as normal refuse.

RCRA INFORMATION: The unused product is not specifically listed by U.S. EPA as a hazardous waste (40CFR 261D). It is not formulated to contain materials which are listed hazardous wastes. It does not exhibit the hazardous characteristics of ignitability, corrosivity, or reactivity, and it is not formulated with contaminants as determined by the Toxicity Characteristic Leaching Procedure (TCLP). Used product may be regulated.

#### 14. TRANSPORT INFORMATION

U.S. D.O.T.: Not Regulated

I.M.O.: Not Regulated

I.A.T.A.: Not Regulated

#### 15. REGULATORY INFORMATION

TSCA: All components comply with U.S. Toxic Substances Control Act requirements.

SARA TITLE III: Product contains no “Extremely Hazardous Substances.”

SARA 311 / 312: Reportable Hazard Categories: None Applicable

SARA 313: Product contains no chemicals reportable under SARA (313) toxic release program.

OTHER: Product contains no ingredients reportable under any of 25 state, federal, or international right-to-know laws or regulatory lists. Consult manufacturer’s product stewardship department for compliance status information with respect to specific regulations.

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16. OTHER INFORMATION

OSHA PRECAUTIONARY LABEL TEXT:

WARNING! Thin plastic film, when used to wrap pallet loads, can build a static electrical charge, which may create a possible fire or explosion hazard. Do not apply or remove the wrap where potentially flammable air / dust or air / vapor mixtures may exist. To minimize static electricity buildup, cut away film from wrapped loads. Do not strip or unwind film.

CHEMICAL NAMES AND SYNONYMS: Polyethylene

INTENDED USE: Protective Packaging Film / Transport Packaging Film

INGREDIENTS: Polyethylene (CAS No. 09002-88-4)  
Polybutene (CAS No. 09003-29-6)  
Inorganic Salts (Proprietary)

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PREPARED BY:

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