

# ACME PACKAGING CORPORATION

MSDS ID #: AP0001

## MATERIAL SAFETY DATA SHEET

Product Name: STEEL - STRAPPING  
 Part #: NO DATA SUPPLIED

### SECTION I SUPPLIER INFORMATION

Common Name: STEEL - STRAPPING  
 Chemical Name/Formulas: STEEL  
 Product CAS#: NO DATA SUPPLIED

Supplier: ACME PACKAGING CORPORATION Supplier #: A025  
 Address: 13500 SOUTH PERRY AVENUE  
 City, St, Zip: RIVERDALE IL 60627-1182 Phone: 708-849-2500

\*\*\*\*\* EMERGENCY PHONE #: 708-849-2500 \*\*\*\*\*

Date Issued: 12/14/88 Date Entered: 10/31/91

Date Revised: 02-01-90 01-01-91 01-01-92  
 01-01-93 01-01-94 01-01-95

### SECTION II INGREDIENT INFORMATION

INGREDIENT	MIN	MAX	CAS	PEL-OSHA	TLV-ACGIH	313
IRON		BAL.	1309-37-1	10 MG/M3	5 MG/M3	N
MANGANESE	.2	2	7439-96-5	5 MG/M3 (C)	1 MG/M3	Y
CHROMIUM		.2	7440-47-3	1.0 MG/M3	0.5 MG/M3	Y
LEAD		<.01	7439-92-1	.05 MG/M3	.15 MG/M3	N

\*\*\*\*\* INGREDIENT HAZARD STATEMENT \*\*\*\*\*  
 STANDARDS ARE EXPRESSED AS IRON FUME, MANGANESE FUME, CHROMIUM METAL AND LEAD DUST AND FUME.  
 THE ACGIH STANDARD FOR HEXAVALENT CHROMIUM IS 0.05 MG/M3.  
 THIS PRODUCT IN ITS SOLID STATE PRESENTS NO SIGNIFICANT FIRE, EXPLOSION, INHALATION, INGESTION OR CONTACT HEALTH HAZARD UNDER NORMAL CONDITIONS OF USE, STORAGE OR TRANSPORT. HOWEVER, THE CUTTING, BURNING OR SCRAPING OF THIS MATERIAL MAY EMIT DUST OR FUMES WHICH MUST BE MAINTAINED BELOW PERMISSIBLE EXPOSURE LEVELS ESTABLISHED BY OSHA.

THE COATING MATERIALS ON THESE PRODUCTS ARE CONSIDERED NON-HAZARDOUS BY THE COATINGS MANUFACTURER. AS SHIPPED. THE COATINGS CONSIST OF PIGMENTS, RESINS AND WAXES WHICH ARE NON-VOLATILE. HOWEVER, AS WITH THE STEEL ITSELF, THE COATING ALSO MAY RELEASE POTENTIALLY HAZARDOUS MATERIALS IF SUBJECTED TO FURTHER THERMAL AND/OR MECHANICAL PROCESSING.

SARA TITLE III SECTION 313 - LIST OF TOXIC CHEMICALS (40 CFR 372)

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) SUBJECT TO THE SARA TITLE III SECTION 313 REPORTING REQUIREMENTS:  
 . MANGANESE  
 . CHROMIUM

### SECTION III PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: NO DATA SUPPLIED  
 Specific Gravity (H2O = 1): NO DATA SUPPLIED  
 Melting Point: NO DATA SUPPLIED  
 Vapor Pressure (mm Hg): NO DATA SUPPLIED  
 Vapor Density (Air=1): NO DATA SUPPLIED  
 Evaporation Rate (Butyl Acetate=1): NO DATA SUPPLIED  
 Solubility/Water: NO DATA SUPPLIED  
 pH Level: NO DATA SUPPLIED  
 Percent Volatile: NO DATA SUPPLIED

\*\*\*\*\* APPEARANCE AND ODOR \*\*\*\*\*

METALLIC GRAY WHEN UNPAINTED; NO ODOR.

\*\*\*\*\* ADDITIONAL INFORMATION \*\*\*\*\*

N/A

### SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method): NONFLAMMABLE

LEL: NO DATA SUPPLIED

UEL: NO DATA SUPPLIED

Auto-Ignition: NO DATA SUPPLIED

\*\*\*\*\* HFPA HAZARD CLASSIFICATION \*\*\*\*\*  
 Flammable: NO DATA SUPPLIED Health: NO DATA SUPPLIED  
 Reactivity: NO DATA SUPPLIED Special: NO DATA SUPPLIED  
 \*\*\*\*\* HMIS HAZARD CLASSIFICATION \*\*\*\*\*  
 Flammable: NO DATA SUPPLIED Health: NO DATA SUPPLIED  
 Reactivity: NO DATA SUPPLIED Special: NO DATA SUPPLIED

\*\*\*\*\* EXTINGUISHING MEDIA \*\*\*\*\*

N/A

\*\*\*\*\* SPECIAL FIRE FIGHTING PROCEDURES \*\*\*\*\*

N/A

\*\*\*\*\* UNUSUAL FIRE AND EXPLOSION HAZARDS \*\*\*\*\*

N/A

### SECTION V REACTIVITY DATA

Stability? PRODUCT IS STABLE UNDER NORMAL CONDITIONS OF USE, STORAGE & TRANSPORT.

Avoid: N/A

\*\*\*\*\* INCOMPATIBILITY (Materials to Avoid) \*\*\*\*\*

NONE.

\*\*\*\*\* HAZARDOUS DECOMPOSITION OR BY-PRODUCTS \*\*\*\*\*

REFER TO INGREDIENT HAZARD STATEMENTS.

Hazardous Polymerization? POLYMERIZATION WILL NOT OCCUR

Avoid: N/A

SECTION VI HEALTH HAZARD DATA

\*\*\*\*\* ROUTES OF ENTRY \*\*\*\*\*
Inhalation? NO
Skin? NO
Ingestion? NO
Eyes? NO
\*\*\*\*\* ADDITIONAL INFORMATION \*\*\*\*\*
/A
\*\*\*\*\* CARCINOGENICITY \*\*\*\*\*
IARC? YES USHA? YES
\*\*\*\*\* ADDITIONAL INFORMATION (CARCINOGENICITY) \*\*\*\*\*
MURIUM IS LISTED AS A CARCINOGEN BY THE NTP, IARC AND OSHA.
\*\*\*\*\* ACUTE AND CHRONIC HEALTH HAZARDS \*\*\*\*\*
JUST AND/OR FUME MAY BE IRRITATING TO THE DIGESTIVE AND RESPIRATORY SYSTEMS,
AND CAN RESULT IN BOTH ACUTE AND CHRONIC OVEREXPOSURE.
\*\*\*\*\* SIGNS AND SYMPTOMS OF EXPOSURE \*\*\*\*\*
NONE.

\*\*\*\*\* MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE \*\*\*\*\*
RESPIRATORY DISORDERS.
\*\*\*\*\* EMERGENCY AND FIRST AID PROCEDURES \*\*\*\*\*
INHALATION: REMOVE TO FRESH AIR.

SECTION VII PRECAUTIONS FOR SAFE HANDLING AND USE

NOT Classification: NO DATA SUPPLIED
\*\*\*\*\* STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED \*\*\*\*\*
/A
\*\*\*\*\* WASTE DISPOSAL METHOD \*\*\*\*\*
RECLAIM AS SCRAP.
\*\*\*\*\* PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE/REGULATORY DATA \*\*\*\*\*
STRAPPING IS DESIGNED ONLY TO SECURE A LOAD AND SHOULD NEVER BE USED AS AN AID
IN ITS HANDLING. NEVER USE STRAPPING AS A HANDLE, LIFTING DEVICE OR METHOD OF
PULLING A LOAD OR PACKAGE.
\*\*\*\*\* OTHER PRECAUTIONS \*\*\*\*\*
USE PROPERLY MAINTAINED TOOLS IN STRAPPING APPLICATION. USE STRAP CUTTERS
DESIGNED FOR CUTTING STRAP WHEN REMOVING STRAPPING.

SECTION VIII CONTROL MEASURES

\*\*\*\*\* RESPIRATORY PROTECTION \*\*\*\*\*
NIOSH APPROVED DUST-MIST-FUME RESPIRATOR ONLY IF AIRBORNE FUME OR DUST LEVELS
EXCEED APPLICABLE OSHA STANDARDS.
\*\*\*\*\* VENTILATION \*\*\*\*\*
Local Exhaust: NO DATA SUPPLIED
Special Exhaust: NO DATA SUPPLIED
Mechanical Exhaust: NO DATA SUPPLIED
Other: N/A
\*\*\*\*\* OTHER PROTECTION \*\*\*\*\*
Gloves: PROTECTIVE SAFETY GLOVES.
Eye Protection: SAFETY GLASSES WITH SIDE SHIELDS.
\*\*\*\*\* CLOTHING \*\*\*\*\*
PROTECTIVE FOOTWEAR SUCH AS SAFETY SHOES.
\*\*\*\*\* WORK/HYGIENE PRACTICES \*\*\*\*\*
ASSESS AND EVALUATE THE SAFETY MEASURES IN ANY PARTICULAR APPLICATION AND
OPERATION AND FULLY INSTRUCT EMPLOYEES AND SUBSEQUENT USERS, IF ANY, ON SAFETY
MEASURES.

\*\*\*\* SARA HAZARD CATEGORIES \*\*\*\*

IS PRODUCT SARA EXEMPT?:
FIRE HAZARD: N SUDDEN RELEASE OF PRESSURE: N
IMMEDIATE (ACUTE) HEALTH HAZARD: N DELAYED (CHRONIC) HEALTH HAZARD: N
REACTIVITY HAZARD: N

Conversion Value to Pounds:
Chemical Descriptor: MIXTURE, SOLID
RQ (Reportable Quantity):

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THIS IS THE END OF THE MSDS Id #AP0001