Max Form Release-E

Concrete Releasing Agent

DESCRIPTION

Max Form Release-E is a concrete releasing agent for rings and pallets in the manufacturing of precast concrete and concrete pipes. ***Max Form Release-E*** is effective on metal, plastic, composition, and wood forms. It will not stain and does not transfer wood grain markings from plywood forms to the concrete surface. ***Max Form Release-E*** provides a waterproof film that chemically reacts with the concrete to prevent adhesion, bug holes; pin holes, and provides an easy and quick release from the form. ***Max Form Release-E*** seals fast, reducing dust accumulation, slipping and resists normal rain wash-off. The resulting concrete is ready to receive paints, mortars, moistureproofers, plasters or other toppings. ***Max Form Release-E*** **provides** long form life and is suitable for use in temperatures ranging from 32°F-100°F (0°C-30°C). ***Max Form Release-E*** is fully biodegradable and is VOC (volatile organic compound) compliant.

DIRECTIONS

Form surfaces should be clean and dry. For architectural concrete, careful cleaning of form panels to remove all rust, scale, concrete, dirt and existing form oils is essential. Replace damaged or worn forms prior to treatment.

Max Form Release-E is ready to use, but can be diluted on site with diesel fuel, stove oil, or kerosene, to provide a dual action physical and chemical form release agent. This mixture produces a combustible product that must not be used near open flames and must be stored away from sources of heat. Dilute ***Max Form Release-E*** with 2-4 parts of diesel fuel, stove oil, or kerosene type solvents. Occasional stirring of ***Max Form Release-E*** is recommended for maintaining uniform consistency during use.

Apply solution in a uniform manner by brush, roller, or sprayer without puddling. For best results, use sprayer method and apply using a light mist/fog coat to the surface of the form. Soak wooden slip-form staves overnight. On all other applications, a thin coat should be applied within one hour before each pour for superior results. ***Max Form Release-E*** will provide maximum coverage, up to 600 square feet per gallon. Coverage rate will vary to type of form and application method. New, wooden forms will require two coats.

PHYSICAL DATA

Appearance	Clear liquid
Color	Pale yellow
Foam	None
Odor	Mild
pH	N/A

MATERIAL SAFETY DATA SHEET

SECTION 1 – PRODUCT/MANUFACTURER'S IDENTITY

Product Name: **MAX FORM RELEASE-E**

Product Use: *Concrete release agent.*

WHMIS CODE: Not regulated.
Proper Shipping Name: N/A
Hazard Class: N/A
UN Number: N/A

HMIS

1	Health
0	Flammability
0	Reactivity
B	Personal

A=Goggles, B=Goggles & Gloves
C=Goggles, Gloves and Apron

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ABBREVIATION KEY: N/A=Not Applicable, N/E=Not Established, N/D=Not Determined, > =Greater Than

SECTION 2 – HAZARDOUS INGREDIENTS INFORMATION

INGREDIENT	CAS NO.	RANGE %	PEL	TLV

No hazardous material. This formulation contains no reportable hazardous ingredients.

Exposure Limit: ACGIH (TLV) for oil mists is TLV-TWA (8 Hours) = 5mg/m3. Also, consult local authorities for acceptable exposure limits for mineral oil mists.

SECTION 3 – PHYSICAL DATA

Color and Odor: Clear yellow, mild odor.
Physical State: Liquid.
Coeff. Water/Oil Dist: N/D
Boiling Point: N/D
Melting Point: N/A
Evaporation Rate: N/D
Vapor Pressure (mm HG): N/D
Vapor Density: N/D
Solubility in Water: Negligible.
pH: N/A.
Specific Gravity: 0.84 @ 20°C
Odor Threshold: No Data

SECTION 4 – FIRE AND EXPLOSION HAZARD DATA

Flash Point and Method: N/D.
Flammable Limits: None known.
Unusual Fire and Explosion Hazards: None.
Sensitivity to Mechanical Impact: None.
Sensitivity to Static Discharge: None.
Extinguishing Media: Not flammable.
Auto ignition Temperature: None known.
Conditions of Flammability: None.
Hazardous Combustion Products: Decomposition may produce carbon monoxide and dioxide.
Special Fire Fighting: Wear NIOSH/MSHA approved, self-contained breathing apparatus for fire fighting situation. Use water spray to cool all nearby fire exposed surfaces.

SECTION 5 – REACTIVITY DATA

Chemical Stability: Stable under normal storage conditions.
Hazardous Polymerization: Will not occur.
Incompatibility (material to avoid): Strong oxidizing agents.
Hazardous Decomposition Products: Decomposition may produce carbon monoxide and dioxide.

SECTION 6 – TOXICOLOGICAL DATA

Exposure Limits: See Section 2 under Hazardous Ingredient.
Irritancy of Product: None known.
Sensitization: None known.
Name of Toxicological Synergistic Product: None known.
Effects of Chronic Exposure: None known.
Routes of Entry: Skin and eyes contact.
Carcinogenicity: None known.
Mutagencity: None known.
Reproductive Toxicity: None known.
Teratogenicity: None known.
Effects of Acute Exposure to Product: Product exposure may cause slight transient irritation to skin and eyes. Prolonged inhalation of mist may cause respiratory irritation. No hazard is anticipated from ingestion of small amounts.

SECTION 7 – PREVENTATIVE AND CONTROL MEASURES

Respiratory Protection: Not required for normal use of product. If product is misted or sprayed, use a NIOSH/MSHA approved dust/mist respirator.
Ventilation: Good general ventilation or local exhaust ventilation for spraying and misting in confined areas.
Protective Gloves: Recommended to minimize skin contact. Natural or butyl rubber, nitrile or neoprene gloves.
Eye Protection: Normally not required. If product is misted or sprayed, wearing of safety goggles, or glasses is recommended.
Protective Clothing and Equipment: Eyes wash recommended in the immediate work area.
Storage and Handling Procedures: Use good Industrial hygiene. Avoid contact with skin, eyes and clothing. Store in a cool, dry place away from incompatibles. Keep container closed when not in use. Do not mix with other chemicals. Store at temperatures below 30°C and keep from freezing.
Disposal Procedures for Spills or Leaks: Wear protective equipment. Dike and contain large spills. Pump spills into an approved waste container. For small spills, soak up with a suitable absorbent such as clay, soil or commercially available absorbents, and then dispose of into an approved waste container. Keep away from sewers and natural waters.
Waste Disposal Method: Reuse if possible. Otherwise dispose recovered material in accordance with all local, Provincial or Federal regulations.
Special Shipping Information: Store at temperature below 30°C. Keep from freezing.

SECTION 8 – EMERGENCY FIRST AID PROCEDURES

First Aid:
If swallowed, give plenty of clean water to drink to dilute product. Do not induce vomiting. Call a Physician. In case of contact with eyes, flush with clean water for 15 minutes. Get medical attention. For contact with skin, wash with clean water and rinse well. If irritation occurs or persists, get medical attention.

PREPARATION DATA

PREPARED BY: Technical Service / Regulatory Division PHONE: 604-526-5655 LAST UPDATE: Dec. 24, 2014