

TECHNICAL DATA SHEET

Product: MASCO BIORELEASE
Revision Date: 4//5/2019

DESCRIPTION

MASCO BIORELEASE is a 100% natural organic chemically reactive release agent. Ideal for sensitive environmental situations such as bridge formwork over rivers, streams and potable water reservoirs. MASCO BIORELEASE provides quick, easy release and leaves an architectural bondable concrete surface.

BENEFITS

- Organic/Biodegradable
- No petroleum distillates
- Environmentally friendly
- VOC compliant/Odorless
- Ready to use
- Chemically reactive/Non-staining

USAGE

- Chemically releases concrete from plywood, steel, aluminum, polystyrene, and fiberglass forms and formliners.
- Prevents concrete build-up on all equipment
- Cleans and reconditions forms
- Helps eliminate build-up and bugholes
- Properly applied, will not inhibit bonding of secondary toppings, coatings or adhesives.

MIXING INSTRUCTIONS

Stir MASCO BIORELEASE slowly and thoroughly before each use, using slow-speed mixing equipment.

APPLICATION

Forms should be free of dirt, hardened concrete, rust, scale, and other foreign matter. Release agent is ready to use direct from container. Apply a thin film using an atomizing or misting spray tip to maximize product performance an economy. Spray uniformly with cross spray to avoid pin holes and uncoated areas. Over application will not produce better results and may cause dusting. Puddles should be wiped up with rags prior to pouring concrete. Prior to coating plywood forms, apply one or two heavy brush coats to edges for waterproofing protection.

Light fogging of prestress and precast forms prior to each use will produce a clean cast with a lighter finish and fewer bug holes. Less works better. With continuous use, beds will stay clean and rust-free. Cleaning of forms will be greatly simplified, reducing expensive maintenance.

COVERAGE

Steel, Plastic, Fiberglass	1,500 sq ft/gal
Aluminum, HDO Plywood	1,500 sq ft/gal
Elastometric Form Liners	1,500 sq ft/gal
MDO Plywood	1,000 sq ft/gal
Urethane Coated Plywood	1,000 sq ft/gal
Coated Paper Forms	1,000 sq ft/gal

Dimensional Lumber	750 sq ft/gal
Rough Sawn Lumber	750 sq ft/gal
Striated Plywood	750 sq ft/gal

STANDARDS

- Tested to the performance requirements of NSF/ANSI 61
- Corps of Engineers CEGS-03300, Section 10.8 Form Coating; CE-204, Section 7.10
- Navy Dock and Piers 56359
- V.O.C. Compliant (18 grams/liter)
- 100% Biodegradable

PHYSICAL PROPERTIES

Finished Appearance: Clear
Color: Milky White
Flash Point: None
VOC Content: 18 g/L

SHELF LIFE

Shelf life of MASCO BIORELEASE in the original tightly closed containers is one year from date of manufacture.

LIMITATIONS

For subsequent coatings over concrete, follow recommended application procedures by paint and coating manufacturers. When any material is to be applied on top of the concrete, follow the application instructions of the manufacturer. Protect from freezing.

CAUTIONS

- For subsequent coatings over form finished concrete, follow recommended application procedures by paint or coatings manufacturer.
- Not recommended for use when forms are to be removed in less than 12 hours unless heat is used to speed curing time.
- Not recommended for untreated masonite, untreated paper, or foam.
- Over application may cause concrete dusting.
- Should not be applied to reinforcing steel.
- Should not be used as a bondbreaker.
- Keep out of reach of children.
- Do not cut top off drum with torch.
- Keep away from open flame or excessive heat.
- Avoid inhalation of vapors. Use only with adequate ventilation.
- Avoid contact with skin. Protective clothing is recommended. Contact areas should be thoroughly washed with soap and water.
- Avoid contact with eyes. Protective goggles are recommended in case of splashing. Flush eyes with water if contact occurs.
- Avoid ingestion of material. If ingestion occurs, contact a poison center or physician.

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- Additional precautions, safety information, and first aid treatments are contained in the Material Safety Data Sheet.

PACKAGING

5 gallon and 55 gallon DOT approved containers.
Storage: 40° F to 85° F
Protect from Freezing.
Shelf Life: 1 year unopened, in protected storage.
Freight Class: Class 55
DOT Hazard Class: Non-regulated
Packing Group: Non-regulated
Shipping Name: Non-regulated

HAZARDS IDENTIFICATION

This product is a milky white colored liquid with minimal odor.

Health Hazards: May cause skin irritation.

Flammability Hazards: This product is not a flammable liquid with a flash point of >200°F (93°C).

Reactivity Hazards: None.

Environmental Hazards: The environmental effects of this product have not been investigated, however release may cause long term adverse environmental effects.

Risks From Exposure: The most significant routes of overexposure for this product are by contact with skin or eyes. The symptoms of overexposure are described in the following paragraphs.

Acute Hazards:

- Inhalation: No serious effects anticipated under normal conditions.
- Skin Contact: May cause moderate irritation to skin. Repeated exposure may cause skin dryness or cracking.
- Eye Contact: Vapours and direct contact to the eyes may be irritating.
- Ingestion: May cause lung damage if aspirated.

Chronic Hazards: Repeated exposure may cause skin dryness or cracking.

Target Organs:

- Acute: Skin
Chronic: Skin

FIRST AID

Eye Contact: If product enters the eyes, flush with plenty of water or eye wash solution for several minutes. Remove contacts if present and easy to do. Seek medical attention if irritation persists.

Skin Contact: Wash skin thoroughly with soap and water after handling. Seek medical attention if irritation develops and persists.

Inhalation: If breathing becomes difficult, remove victim to fresh air. If necessary, use artificial respiration to support vital functions. Seek medical attention.

Ingestion: If product is swallowed, call physician or poison center immediately. If professional advice is not available, do not induce vomiting. Never induce vomiting or give diluents (milk or water) to someone who is unconscious, having convulsions, or who cannot swallow. Seek medical advice. Take a copy of the label and/or SDS with the victim to the health professional.

Medical Conditions Generally Aggravated By Exposure: Pre-existing skin, respiratory system or eye problems may be aggravated by prolonged contact.

CLEANUP INSTRUCTIONS

Sprayers and other application equipment can be cleaned with MASCO CITRIS CLEAN. Clean drips and over spray while still wet. Clean glass and other non-absorbent materials soon

after application.

TECHNICAL SERVICE

For application procedures or surface conditions not specified above, please contact:

MASONS SUPPLY
2637 SE 12th Ave
Portland, OR 97202
(503)234-4321, FAX (503)234-5606
masco.net

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