

AMERICAN FORMLINERS RELEASE

CHEMICALLY ACTIVE, PETROLEUM BASED FORM RELEASE AGENT

PRODUCT DESCRIPTION

A premium, chemically active, highly refined petroleum based form release agent formulated for use on Styrofoam, plastic, resin, & elastomeric formliners. American Formliners Release is formulated without diesel fuel and other common lubricating oils. American Formliners Release produces a smooth, void free, architectural concrete surface. VOC compliant.

GENERAL USES

American Formliner Release will aid in the release of the Styrofoam, plastic, resin & elastomeric formliners from hardened concrete.

FEATURES

- Ensures easy stripping of forms
- Produces smooth natural architectural surfaces – chemical action is not harmful to the concrete surface
- Will not retard, etch, or soften concrete surfaces, even if over-applied
- May be used on concrete structures that will store potable water
- Easy to apply with a brush, sprayer or roller
- No deleterious effect upon the natural bonding characteristics of secondary toppings or coatings, caulks, or sealants
- Keeps workers clean and odor free on and off the job site
- VOC compliant

STANDARDS

Meets the requirements of Corps of Engineers specifications CW 03101, Section 2.1.2.

INSTRUCTIONS FOR USE

American Formliners Release should be applied in a thin uniform film with a sprayer, brush or roller. No special application equipment is necessary, but a spray application is the most practical. Pounding or puddling is to be avoided. Specific applications are as follows:

Patterned face:

1000-1500 sq. ft. per U.S.gallon

PACKAGING

- 5 gallon (18.9 L) pails

LIMITATIONS/WARNING

- Do not over apply.
- Do not use as a bondbreaker for tilt-up construction.
- Colder temperatures will increase the viscosity of American Formliners Release.

HEALTH WARNING

Combustible... Contains petroleum distillates. Keep out of reach of children. Do not take internally. Do not breathe vapors. Avoid prolonged contact with skin. If swallowed, call physician. If splashed in eyes, wash repeatedly with clean water and call physician. Keep away from heat, sparks and open flame. Refer to Material Safety Data Sheet before use.

VOC content: less than 250 g/L. Complies with USA and Federal AIM VOC standards. Do not thin or dilute.

TECHNICAL SERVICES

American Formliners Technical Service Department provides complete product and technical support.



MATERIAL SAFETY DATA SHEET

Information Phone # 1-877-533-5842
Latest Revision Date: 11.04.2011
EMERGENCY PHONE #:1-800 535-5053

American Formliners
645 Airport Road
Centralia, IL 62801

SECTION I PRODUCT IDENTIFICATION

Trade Name	<i>American Formliners Release</i>		
Chemical Family	Modified Petroleum Oils		
NFPA Ratings (Hazard ID)	Health 1	Fire 1	Reactivity 0
HMIS Ratings (Hazard ID)	Health 1	Fire 1	Reactivity 0

Warning! Keep containers (with material or empty) away from sparks, excessive heat, flames, welding. Irritant to skin, eyes. May be fatal if ingested or overexposed. Harmful to lungs, central nervous system, mucous membrane, possibly blood, kidney, liver and reproductive system. Spill may create slipping hazard.

SECTION II INGREDIENTS, LIMITS AND TOXICOLOGICAL INFORMATIONS

INGREDIENT	Mineral Oil	Petroleum Oil		
CAS#	64742-53-6	61790-12-3		
ACGIH TLV/TWA	NA	NA		
ACGIH TLV/STEL	NA	NA		
OSHA PEL/TWA	NA	NA		
OSHA PEL/STEL	NA	NA		
LD50, Oral	NA	NA		
LD 50, Dermal	NA	NA		
LD 50, Inhalation	NA	NA		
PCT BY WT:	80-99	0-20		

SECTION III PHYSICAL DATA

Physical State	LIQUID	Specific Gravity	.9
Appearance	Yellow/Amber	VOC, Calculated	< 250 g/L
Odor	Low Odor	pH	N/A
Boiling Range	N/A	Freezing Point	N/A
Vapor Pressure	< 5	Water Solubility	INSOLUBLE

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Lowest Closed Cup Flashpoint	Above 200 °F
OSHA Flammability Classification	NA
Lower Flammable Limit in Air	NA
Flash Points	Above 200 °F
Mechanical Impact Explosion	NA
Static Electricity Explosion	NA
EXTINGUISHING MEDIA	FOAM, DRY CHEMICALS, WATER SPRAY(FOG),CARBON DIOXIDE, AND VAPORIZING LIQUID TYPE EXTINGUISHING AGENTS.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

KEEP CONTAINER TIGHTLY CLOSED AND ISOLATE FROM HEAT, ELECTRICAL EQUIPMENT, SPARKS AND FLAME. NEVER USE WELDING OR CUTTING TORCH ON OR NEAR DRUM (EVEN EMPTY) BECAUSE PRODUCT (EVEN JUST RESIDUE) CAN IGNITE EXPLOSIVELY.

SPECIAL FIRE FIGHTING PROCEDURES:

DO NOT DIRECT A SOLID STREAM OF WATER OR FOAM INTO HOT, BURNING POOLS; THIS MAY CAUSE FROTHING AND INCREASE FIRE INTENSITY. USE WATER TO KEEP FIRE EXPOSED CONTAINERS COOL. IF A LEAK OR SPEEL HAS NOT IGNITED, USE WATER SPRAY TO DISPERSE VAPORS AND PROVIDE PROTECTION FOR PERSONNEL ATTEMPTING TO STOP THE LEAK. WATER SPRAY MAY BE USED TO FLUSH SPILLS AWAY FROM EXPOSURE. MINIMIZE BREATHING GASES, VAPOR, SMOKE, OR DECOMPOSITION PRODUCTS. USE AIR BREATHING EQUIPMENT FOR ENCLOSED OR CONFINED SPACES OR AS OTHERWISE NEEDED.

SECTION V HEALTH HAZARD DATA		
EFFECTS OF EXCESSIVE OVEREXPOSURE-PRIMARY ROUTES OF ENTRY ARE:		
PRIMARY ROUTE(S) OF ENTRY:		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
INHALATION	SKIN	INGESTION
SKIN CONTACT: MAY CAUSE MILD IRRITATION WITH PROLONGED AND REPEATED EXPOSURE		
INHALATION: IRRITATION TO NOSE AND THROAT MAY BE EXPECTED		
INGESTION: TESTS ON SIMILAR MATERIALS INDICATE LOW ORDER OF ACUTE ORAL TOXICITY.		
MEDICAL CONDITIONS THAT MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT: PREEXISTING EYE, SKIN, LIVER, KIDNEY AND RESPIRATORY DISORDERS.		
EMERGENCY AND FIRST AID PROCEDURES: IN CASE OF EYE CONTACT, FLUSH IMMEDIATELY WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES AND GET MEDICAL ATTENTION IF IRRITATION PERSIST. FOR SKIN, WASH THOROUGHLY WITH SOAP AND WATER. IF AFFECTED BY INHALATION OF VAPORS OR SPRAY MIST, REMOVE TO FRESH AIR. IF SWALLOWED, GET MEDICAL ATTENTION.		
OTHER HEALTH HAZARDS: LABORATORY ANIMALS EXPOSED TO HIGH DOSES OF XYLENE SHOWED EVIDENCE OF EFFECTS IN THE LIVER, KIDNEYS, LUNGS, CENTRAL NERVOUS SYSTEM, GI TRACT, AND BLOOD FORMING ELEMENTS.		
SECTION VI REACTIVITY DATA		
STABILITY: STABLE HAZARDOUS POLYMERIZATION: NONE UNDER NORMAL CONDITIONS.		
CONDITIONS TO AVOID: ELEVATED TEMPERATURES,		
INCOMPATIBILITY (MATERIAL TO AVOID): STRONG ACIDS , STRONG OXIDIZING AGENTS.IF THIS PRODUCT IS NOT WATER REDUCIBLE, AVOID WATER.		
HAZARDOUS DECOMPOSITION PRODUCTS: THERMAL DECOMPOSITION OR COMBUSTION CAN PRODUCE FUMES CONTAINING ORGANIC ACIDS, CARBON DIOXIDE,CARBON MONOXIDE, ALDEHYDES AND OTHER IN CASE OF INCOMPLETE COMBUSTION.		
SECTION VII SPILL OR LEAK PROCEDURES		
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: REMOVE ALL SOURCES OF IGNITION (FLAMES, HOT SURFACES, AND ELECTRICAL, STATIC, OR FRICTIONAL SPARKS). VENTILATE AREA. CONTAIN AND REMOVE WITH INERT ABSORBENT AND NON-SPARKING TOOLS. IN CASE OF A LARGE SPILLS, EVACUATE AREA, DIEK AND CONTAIN WITH SUITABEL ABSORBENTS, ADVISE AUTHORITIES IF PRODUCT ENTERED SEWERS, WATERWAYS OR EXTENSIVE LAND AREAS.		
WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. DO NOT INCINERATE CLOSED CONTAINERS. INCINERATE IN APPROVED FACILITY		
SECTION VIII SPECIAL PROTECTION INFORMATION		
RESPIRATORY PROTECTION: NOT NEEDED AT AMBIENT TEMPERATURES. WEAR AN APPROPRIATE, PROPERLY FITTED RESPIRATOR (NIOSH/MSHA APPROVED) IN CONFINED OR ENCLOSED SPACES. UNLESS AIR MONITORING DEMONSTRATES VAPOR LEVELS ARE BELOW APPLICABLE LIMITS FOLLOW RESPIRATOR MANUFACTURER'S DIRECTIONS FOR RESPIRATOR USE. OBSERVE OSHA STANDARD 29CFR 1910.134.		
VENTILATION: PROVIDE GENERAL CLEAN AIR DILUTION OR LOCAL EXHAUST VENTILATION IN VOLUME AND PATTERN TO KEEP THE AIR CONTAMINANT CONCENTRATION BELOW THELOWER EXPLOSION LIMIT AND BELOW CURRENT APPLICABLE EXPOSURE LIMITS. REFER TO OSHA STANDARD 1910.94.		
PROTECTIVE GLOVES: USE CHEMICAL RESISTENT GLOVES, TO AVOID CONTACT WITH PRODUCT.		
EYE PROTECTION: DO NOT GET IN EYES. USE SAFETY EYEWEAR WITH SPLASH GUARDS OR SIDE SHIELDS, CHEMICAL GOGGLES, FACE SHIELDS.		
OTHER PROTECTIVE EQUIPMENT: DO NOT GET ON SKIN. USE IMPERMEABLE PROTECTIVE CLOTHING.PREVENT SKIN CONTACT WITH CONTAMINATED CLOTHING. WASH CLOTHING BEFORE REUSE. THOROUGHLY CLEAN CONTAMINATED CLOTHING. WASH BEFORE REUSE. THOROUGHLY CLEAN CONTAMINATED SHOES. EYE BATH AND SAFETY SHOWER SHOULD BE AVAILABLE.		

SECTION IX	SPECIAL PRECAUTIONS
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PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: DO NOT PRESURIZE, CUT, WELD, GRIND.DO NOT STORE ABOVE 120 °F. STORE LARGE QUANTITIES IN BUILDINGS DESIGNED TO COMPLY WITH OSHA 1910.106. KEEP AWAY FROM HEAT, SPARKS AND FLAME. KEEP CONTAINERS CLOSED WHEN HOT IN USE AND UPRIGHT TO PREVENT LEAKAGE.

OTHER PRECAUTIONS: DO NOT TAKE INTERNALLY. WASH HANDS AFTER USING AND BEFORE SMOKING OR EATING. EMPTIED CONTAINERS MAY RETAIN HAZARDOUS RESIDUE AND EXPLOSIVE VAPORS. KEEP AWAY FORM HEAT, SPARKS, FLAMES AND STATIC ELECTRICITY. DON'T CUT OR WELD ON OR NEAR EMPTIED CONTAINERS. FOLLOW ALL HAZARD PRECAUTIONS GIVEN IN THIS SHEET UNTIL CONTAINER IS THOROUGHLY CLEANED OR DESTROYED.
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SECTION X	SARA TITLE III INFORMATION
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This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:	N/A
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NAME					
CAS#					
PC. WEIGHT					

SECTION XI	D.O.T. REGULATIONS (TRANSPORTATION)
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Hazard class ID number Packing Group Proper shipping name Label US Domestic Ground Shipments US Domestic Ground Shipments Non Bulk (in containers 119 gal or less)	NA NA III <i>Not Regulated by DOT</i> <input type="checkbox"/> NA <i>Not Regulated by DOT</i> <i>Not Regulated by DOT</i>
Cross Border transport (ADR/RID) ADR/RID class Danger code (Kemler) UN number Packing group Description	<i>NA</i>
Marine transport (IMDG) IMDG class UN number Label Packing group EMS Number Marine pollutant Proper shipping name	<i>N/A</i>
Air transport (ICAO-TI and IATA-DGR) ICAO/IATA class UN number Label Packing group Proper shipping name	<i>N/A</i>

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