



# MATERIAL SAFETY DATA SHEET

## MARBALEASE<sup>®</sup> IMR-3 Internal Mold Release

MSDS Number: MIMR3-001

Effective Date: 20 June 2011

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### SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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PRODUCT NAME        **MARBALEASE<sup>®</sup> IMR-3 Internal Mold Release**  
GENERIC NAME        Liquid Plastic Process Additive

MANUFACTURER       REXCO  
                             P.O. Box 80996  
                             Conyers, Georgia 30013  
                             USA

TRANSPORTATION EMERGENCY:

CHEMTREC +1 (800) 424-9300 U.S.A. (24 hours/day)  
CHEMTREC +1 (703) 527-3887 International (Collect calls accepted)

CUSTOMER SERVICE AND PRODUCT EMERGENCY:

REXCO +1 (800) 888-1060                    U.S.A and Canada  
REXCO +1 (770) 483-7610                    International

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### SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

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HAZARDOUS INGREDIENTS:    NONE  
DESCRIPTION:                    A polymeric blend of phosphate esters, fatty amines, and fatty acids.

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### SECTION 3: HAZARDS IDENTIFICATION

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NFPA RATING: Health 1, Fire 1, Reactivity 0

HMS RATING: Health 1, Fire 1, Reactivity 0

0=MINIMAL, 1=SLIGHT, 2=MODERATE, 3=HIGH, 4=EXTREME

POTENTIAL HEALTH EFFECTS

EYES                    Can cause eye irritation.  
SKIN                    May cause minor skin irritation.  
INHALATION        No known health effects.  
INGESTION        May cause nose, mouth and stomach irritation if ingested.

CHRONIC HEALTH EFFECTS: No known chronic exposure health effects.

PRIMARY ROUTES OF ENTRY: Skin contact, skin absorption, eye contact, and inhalation.

CANCER INFORMATION: Neither this product nor any of its components is listed as a carcinogen or partial carcinogen by the following agencies: the National Toxicology Program, the International Agency for Research on Cancer, and the Occupational Safety and Health Administration.



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### SECTION 4: FIRST AID MEASURES

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EYES	Flush immediately with cold water for 15 minutes and seek medical attention.
SKIN	Remove contaminated clothing and wash affected area with soap and hot water. If irritation from contact persists, seek medical attention. Launder contaminated clothing – including shoes – prior to reuse.
INHALATION	If light-headed or having difficulty breathing, expose individual to fresh air and/or oxygen. If breathing stops, begin artificial respiration and seek immediate medical attention.
INGESTION	Seek immediate medical attention. Only induce vomiting if directed to do so by medical personnel. If vomiting occurs spontaneously, keep victim's head below hips to prevent aspiration into lungs. If possible, do not leave victim unattended.

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### SECTION 5: FIRE FIGHTING MEASURES

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FLASH POINT / METHOD:	415 °F (213 °C) / Tagliabue Closed Cup method (TCC)
AUTO IGNITION TEMPERATURE:	N / A
FLAMMABLE LIMITS IN AIR (% BY VOLUME):	N / A
FIRE AND EXPLOSION HAZARDS:	Non-flammable liquid. Treat as an oil fire as fatty contents float.

EXTINGUISHING MEDIA: Use dry chemicals, CO<sub>2</sub>, water fog, light water spray, or alcohol-resistant foam.

FIRE FIGHTING INSTRUCTIONS: Wear a NIOSH-approved self contained breathing apparatus in positive pressure mode and full bunker gear. Water may be unsuitable as an extinguishing media but helpful in keeping adjacent containers cool in order to prevent container rupture. Avoid spreading burning liquid with water used for cooling purposes.

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### SECTION 6: ACCIDENTAL RELEASE MEASURES

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IN CASE OF SPILL: Persons involved in clean-up should wear personal protection equipment. Stop spill at source and prevent from spreading. Flush spilled material into suitable retaining areas or containers. Small amounts of spilled material may be absorbed with any standard absorbent. If run-off occurs, notify proper authorities as required. Place in chemical waste container and dispose of in accordance with local, state, and federal regulations.

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### SECTION 7: HANDLING AND STORAGE

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Store in a cool, dry location at 100 °F (38 °C) or below. Keep container tightly closed when not in use to prevent drying out of material.



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Repack only into high-density polyethylene (HDPE). Containers used for repackaging should be thoroughly tested for long-term product compatibility before use. All new containers must exhibit product labels required for proper identification, safety, handling, and storage. Empty containers may contain product residue such as vapors – continue to observe proper handling and storage precautions.

### SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

**EYE PROTECTION:** Safety glasses, goggles, or face shield are advised. Eye washes are recommended for work areas.

**SKIN PROTECTION:** Wear impervious gloves, clothing, and shoes to prevent skin contact. Safety showers are recommended for work areas. Remove contaminated clothing and wash in hot water and soap prior to reuse.

**RESPIRATORY PROTECTION:** Exposure levels should be kept below the PEL or TLV for this product. If exposure exceeds recommended levels, use of NIOSH-approved cartridge respirator or gas mask is advised. Engineering controls should be implemented if necessary to reduce exposure.

**ENGINEERING CONTROLS:** Provide sufficient general and/or local exhaust (explosion-proof ventilation) to keep exposure below PEL or TLV.

**EXPOSURE GUIDELINES:** N / A

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Dark Amber Liquid	SPECIFIC GRAVITY (H <sub>2</sub> O=1):	1.02
ODOR:	Mild characteristic	SOLUBILITY IN WATER:	Dispersible
BOILING POINT:	280 – 340 °F (138 – 171 °C)	REACTIVITY IN WATER:	No
BOILING POINT:	415 °F (213 °C)		
MELTING POINT:	Not Applicable		
V.O.C.:	0 g/L		

V.O.C. = VOLATILE ORGANIC CONTENT

### SECTION 10: STABILITY AND REACTIVITY

**STABILITY:** Stable

**CONDITIONS TO AVOID:** Open flames, hot surfaces, or any ignition source.

**INCOMPATIBILITY:** Incompatible with strong oxidizing agents, strong acids or bases, alkali metals, halogens, and strong alkalis.

**HAZARDOUS DECOMPOSITION:** Thermal decomposition in the presence of air may yield carbon monoxide and/or carbon dioxide.

**HAZARDOUS POLYMERIZATION:** Will not occur



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### SECTION 11: TOXICOLOGICAL INFORMATION

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No data available specific to this product.

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### SECTION 12: ECOLOGICAL INFORMATION

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Product would not be expected to cause damage to the environment.

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### SECTION 13: DISPOSAL CONSIDERATIONS

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Waste material may be incinerated at an approved facility where permitted under appropriate Federal, State, and Local regulations.

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### SECTION 14: TRANSPORT INFORMATION

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DOT CLASSIFICATION: Liquid Plastic Raw Material: Unrestricted

ICAO / IATA CLASSIFICATION: Unrestricted

IMDG CLASSIFICATION: Unrestricted

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### SECTION 15: REGULATORY INFORMATION

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#### COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY ACT OF 1980 (CERCLA)

COMPONENT

REPORTABLE QUANTITY (RQ)

N / A

#### SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA) TITLE III

SARA 302: Contains no chemicals subject to SARA 302 reporting

SARA 311/312 HAZARD CATEGORIES: Contains no chemicals subject to SARA 311/312 reporting

SARA 313: Contains no chemicals subject to SARA 313 reporting

**OCCUPATIONAL HEALTH AND SAFETY ADMINISTRATION (OSHA) CLASSIFICATION:** No hazardous ingredients

**CALIFORNIA PROPOSITION 65:** Contains no detectable quantities of Proposition 65 chemicals.

**WORKPLACE HAZARDOUS MATERIAL INFORMATION SYSTEM (WHMIS) CLASSIFICATION:**

Non - Flammable Liquid

**CHEMICAL INVENTORY:** This product is not listed on regulatory inventories or listings. Components are either listed on the following chemical inventories or qualify for an exemption:



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UNITED STATES	Toxic Substances Control Act (TSCA)
CANADA	Canadian Domestic Substance List (DSL)
EUROPE	European Inventory of Existing Commercial Chemical Substances (EINECS)
AUSTRALIA	Australian Inventory of Chemical Substances (AICS)
JAPAN	Existing and New Chemical Substances (ENCS)
KOREA	Existing Chemicals List (ECL)
PHILIPPINES	Philippines Inventory of Chemicals and Chemical Substances (PICCS)

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### SECTION 16: OTHER INFORMATION

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All information provided in this Material Safety Data Sheet is believed to be accurate and reliable. REXCO makes no warranty of any kind, express or implied, including warranties of merchantability or fitness for a particular purpose, concerning the safe use of this material in your process or in combination with other substances. Users should make their own tests and assessments as to the suitability of this product or the information contained herein for their particular purposes and uses.

Prepared by: REXCO Product Stewardship Department