

RA-230 RELEASE OIL CONCRETE MOLD & FORM RELEASE AGENT

PRODUCT DESCRIPTION: RA-230 Release Oil is a highly effective, low viscosity, oil based release compound for use on metal, aluminum, fiberglass, urethane or ABS based molds. RA-230 Release Oil contains a chemically reactive base that upon contact with cement alkalinity creates a water-insoluble film on the form's surface that prevents adhesion or sticking of the concrete. Surface voids and related defects are reduced as the film formation helps promote displacement of trapped air. RA-230 Release Oil is non-staining and clear in color, which makes it safe to use on white or colored concrete to obtain an architectural grade concrete surface. RA-230 Release Oil will not transfer or initiate adverse inter-coat adhesion of subsequent applied coatings, caulks, or sealants. Concrete form surfaces are left free of any residual contaminant build-up, which allows easier cleaning and stripping properties and extends form life.

BENEFITS: CLEAR, NON-STAINING COMPOSITION...ELIMINATES SURFACE VOIDS...LEAVES NO FILM OR DEPOSIT BUILD-UP...VOC COMPLIANT IN MOST STATES...NON-STAINING...HELPS KEEP FORMS CLEAN
...PROVIDES LONG FORM LIFE

COMPOSITION: Proprietary blend of oils and surface acting chemicals in a hydrocarbon solution.

PHYSICAL PROPERTIES at 70° F (21°C):	APPROXIMATE VALUES:
Weight per Gallon:	6.87 +/- 0.1 lb./ gallon
Color:	Light clear liquid
Viscosity-Brookfield:	25 cps
Flash Point:	230° F (110°C)
V.O.C. Content:	245 g/L (2.04 lb./ gallon)

VOC COMPLIANCE: RA-230 Release Oil is VOC compliant product safe to use in all states with the exception of California (CARB and SCAQMD). It contains less than 250 g/L (2.08 lb. /gal.) volatile organic compounds which meets existing form release agent VOC (VOM) regulations under the EPA's National AIM (Architectural and Industrial Maintenance) listings for all states including OTC and LADCO region states.

DIRECTIONS FOR USE: Form surfaces should be dry and free from concrete build-up before RA-230 Release Oil is applied. Application can be made most practically by use of a conventional sprayer, as well as by hand wiping with rollers, mops, or rags. Application rates will vary depending on molds and application method. For fiberglass, ABS, or urethane based molds, apply at 1200-1400 square feet per gallon. Metal forms (steel or aluminum) require a higher coverage of 1500-2000 square feet per gallon using a sprayed fogging or mist coat to apply as thin a film as possible for optimum results.

CAUTIONS: RA-230 Release Oil is not recommended for expanded polystyrene, latex rubber, or SBR latexes due to it's solvent based composition. Refer to Specco technical service department for assistance in choosing a suitable release agent for these mold types. Keep from freezing to avoid condensation into the container. Colder temperatures will increase the viscosity of RA-230 Release Oil and subsequently promote thicker film build which can lead to the possibility of higher surface defects (bug holes).

WARNINGS: RA-230 Release Oil contains petroleum distillates and is classified as a combustible liquid. Keep away from heat, sparks, and open flame. Provide adequate ventilation during use. Use with OSHA/NIOSH approved eye protection and air (vapor) respirator. Avoid inhalation of the spray mist or prolonged contact with the skin. Wear protective clothing and safety glasses during application. Refer to product M.S.D.S. (Material Safety Data Sheet) for further health and safety information. Make sure that the application is static free. Empty containers may contain explosive vapors that are heavier than air. Keep containers closed. Do not cut or weld on or near empty containers. Keep away from food and drink. Do not take internally. FOR INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN. For medical emergencies only, call Chemtrec at 1-800-424-9300.

H.M.I.S. CODES (Hazardous Materials Identification System): HEALTH = 1, FLAMMABILITY = 2, REACTIVITY = 0, PERSONAL PROTECTION = E

SHIPPING NAMES: Combustible Liquid, N.O.S., Hazard Class 8, NA 1993, Packing Group III, Combustible, Compound Lubricating Oil, No placards required if shipping container is less than 119 gallons capacity. For Combustible Liquid Exemption, refer to CFR 49,173.150 paragraph H.

SHIPPING CLASS: ITEM 155250, SUB 2, LTL 65-CONCRETE RELEASE AGENT

STORAGE: Ideal storage is between 60° to 80° F. Keep from freezing.

SHELF LIFE: 1year properly stored. Depending on storage conditions, the shelf life may be extended.

PACKAGING: 5 gallon (18.9 L) pails, 55 gallon (208 L) drums, 265 gallon (1000 L) containers.

LIMITED WARRANTY: This product is warranted to be of merchantable quality when used according to the instruction herein. It is not warranted to be suitable for any purpose or use other than the general purpose for which it is intended. Liability under this warranty is limited to the replacement of the product as purchased, if found to be defective upon inspection by the manufacturer. This limited warranty is issued and accepted in lieu of all other expressed warranties and explicitly excludes liability for consequential damages. Buyer assumes all risk and liability resulting from the use of this product.

Revised – 12-02-09