MATERIAL SAFETY DATA SHEET

Revision #: 02

Section 1 - Product Identification & Use

Product Name:	**UniRelease ES Release Agent**
Product Use:	Concrete Form Release Agent
Synonyms:	Methyl Soyate, Rapeseed Methyl Ester (RME), Methyl Tallowate.
Product Description:	Methyl esters from lipid sources.
WHMIS Classification:	Class B, Div. 3, Combustible Liquids Class D, Div. 2, Materials Causing Other Toxic Effects
TDG Classification:	Not regulated in Canada.
CAS Number:	Methyle Soyate: 67784-80-9; RME: 73891-99-3; Methyl Tallowate: 61788-71-2
Supplied by:	Advance Chemicals Ltd. 2023 Kingsway Avenue Port Coquitlam, BC, Canada, V3C 1S9 Phone: (604) 945-9666 Fax: (604) 945-9617
Emergency phone:	CANUTEC 24 hrs (613) 996-6666

Section 2 - Hazardous Ingredients

Hazardous Components	%(w/w)	C.A.S. No.	LD_{50} & LC_{50}

This product contains no hazardous materials.

Section 3 - Physical Data

Physical state: liquid
Boiling point: >200C
Liquid density: 0.88 g/mL
Freezing point: not known
pH: N/A
Solubility in water: not soluble
Vapour pressure: <2 mm Hg
Volatile Organic Compounds 6.19 mg/L
Evaporation rate, butyl acetate = 1: <1
Vapour density, air = 1: >1
Odour & Appearance: Clear, pale amber liquid, slight odour.

Section 4 - Fire and Explosion Hazard Information

Flash point/method: 130°C min/ASTM 93
Flammability: The product is considered combustible.
Extinguishing media: Use an extinguishing media for surrounding the fire, or all purpose foam by manufacturer's recommended techniques for large fires. Water spray, dry powder or aqueous film forming foam (AFFF). Alcohol resistant type with 6% foam proportioning equipment or CO_2.
Special Fire Fighting Procedures: Use water spray to cool drums exposed to fire. Fire fighters must wear full face, positive pressure, self-contained breathing apparatus or airline respirator and appropriate protective clothing.
Hazardous Combustion Products: CO_2, CO, smoke and unidentified organic compounds may be formed during combustion.
Sensitivity to static discharge: Not determined.
Unusual fire and exposion hazards: Oil soaked rags can cause spontaneous combustion if not handles properly. Before disposal, wash rags with soap and water and dry in a well ventilated area.

Section 5 - Reactivity Data

Stability: Stable.
Incompatible substances: Oxidizers, sparks, flame and heat.
Polymerization: Will not occur.

Section 6 - Toxicological Properties

Acute Toxicity: No data found.
Carcinogenicity: No human information.
Respiratory & Skin Sensitization: Skin contact may cause an allergic skin response (redness, swelling, itching).
Reproductive Effects: Not determined.
Effects of Exposure:
Skin contact: Prolonged or repeated contact is not likely to cause significant skin irritation. Material is sometimes encountered at elevated temperatures. Thermal burns are possible.
Eye contact: May cause irritation. Irrigate eye with water for at least 15 to 20 minutes. Seek medical attention if symptoms persist.
Inhalation: Negligible unless heated to produce vapors. Vapors or finely misted materials may irritate the mucous membranes and cause irritation, dizziness, and nausea. Remove to fresh air.
Ingestion: No hazards anticipated from ingestion to industrial exposure.
Chronic Effects of exposure: No data.
Medical Conditions Aggravated by Exposure: Not determined.

Section 7 - Preventative Measures

Recommendations listed in this section indicate the type of equipment which will provide protection against overexposure to this product. Conditions of use, adequacy of engineering or other control measures, and actual exposures will dictate the need for specific protective devices at your workplace.
Skin protection: Gloves and protective clothing made from neoprene should be impervious under normal conditions of use.
Eye protection: Safety glasses with side shields are recommended. Use chemical safety goggles if there is a potential for eye contact.
Other Personal Protective Equipment: Avoid contact with product by wearing chemical protective clothing and rubber boots if necessary. Eye wash fountains and safety shower facilities should be provided nearby for emergency use.
Respiratory protection: Based on contamination level and working limits of the respirator, if mists are generated, use a respirator approved by both NIOSH and MSHA.
Ventilation Requirements: This product should be used in a well ventilated area at all times. Local exhaust ventilation may be required.
Action to take for spills & leaks: Eliminate all sources of ignition. Wear chemical protective clothing, rubber gloves and suitable respiratory protection. **SMALL SPILLS** should be wiped up with absorbent material and disposed of in government approved waste containers. **LARGER SPILLS** should be contained by diking with sand, soil or other absorbent, non-combustible material, then transferred into approved waste containers for proper disposal. Keep product out of sewers, storm drains, surface run-off water and soil. Greasy nature will result in a slippery surface. Comply with all government regulations on spill reporting, and handling and disposal of waste.
Disposal methods: Dispose of contaminated product and materials used in cleaning up spills or leaks in a manner approved for this material. Consult appropriate federal, provincial and local regulatory agencies to ascertain proper disposal procedures.
Note: Empty containers can have residues, gasses and mists, and are subject to proper waste disposal as mentioned above.
Repair and Maintenance Precautions: Do not cut, grind, weld or drill in, on or near this container. Do not re-use the original container for any other product, substance, food or drink.
Storage and Handling Procedures: Store in totally enclosed equipment designed to avoid human contact. Keep containers between 50°F and 120°F (10°C and 50°C). Avoid contact with incompatible materials. Store and use in well ventilated areas. Do not store or use near heat, spark, or flame. Store out of sun. Do not puncture, drag, or slide this container. Drum is not a pressure vessel. Never use pressure to empty.

Section 8 - First Aid Measures

If inhaled: Remove victim to fresh air. Give artificial respiration if not breathing. If irritation persists get medical attention.
In case of eye contact: Immediately flush eyes with clean water for at least fifteen (15) minutes, lifting the upper and lower eye lids occasionally. If irritation persists get medical attention.
In case of skin contact: Immediately flush skin with plenty of clean running water for at least fifteen (15) minutes, use soap and water for final clean-up. Remove contaminated clothing and shoes. Wash and launder clothes before re-use. If irritation persists after washing, get medical attention.
In case of ingestion or swallowing: If victim is conscious and not convulsing, rinse mouth out with water, and give several glasses of water or milk to dilute stomach contents. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS VICTIM. If spontaneous vomiting occurs, have patient lean forward with head down to avoid breathing in the vomitus. Rinse mouth out and administer more water. If gastro-intestinal sysmptoms develop, consult medical personnel.

Section 9 - Preparation Information

Universal Concrete Acc. Limited expressly disclaims all expressed or implied warranties of merchantability and fitness for a particular purpose with respect to the product provided. The information contained herein is offered only as a guide to the handling of this specific product, and has been prepared in good faith by technically knowledgeable personnel. This M.S.D.S. is not intended to be all inclusive, and the manner and conditions of use may involve other and additional considerations.

Prepared: 10 July 2007

Revised: 25 June 2010; 03 February 2012