

SAFETY DATA SHEET

SECTION I: IDENTIFICATION

Product: Concrete Release PRO
Description: Concrete Form Release
Company Identification: Solutions² LLC
 1621 N. 1st St.
 Winterset, IA 50273
 Phone:515-493-1153
 Website: www.Solutions2llc.com



Company Emergency Telephone Number: CHEMTREC 1-800-424-9300

SECTION II: HAZARD(S) IDENTIFICATION

GHS CLASSIFICATION Aspiration Hazard Category 1

Acute Toxicity - Inhalation: Not expected to be harmful if inhaled. Contains petroleum-based oils. May cause respiratory irritation or other pulmonary effects following prolonged or repeated inhalation of oil mist at airborne levels above the recommended mineral oil mist exposure limit. Symptoms of respiratory irritation may include coughing and difficulty breathing.

Skin Corrosion/Irritation: Contact with skin is not expected to cause prolonged or significant irritation. Contact with the skin is not expected to cause an allergic reaction. Not expected to be harmful to internal organs if absorbed through the skin. Wash thoroughly after handling.

Eye Damage/Eye Irritation: Not expected to cause prolonged or significant eye irritation.

POTENTIAL HEALTH EFFECTS

Principal Routes of Exposure: Inhalation, Skin Contact, Eye Contact, Ingestion.

Aggravated Medical Condition: None known.

GHS LABEL ELEMENTS

Signal Word: **Danger**

Hazard Pictogram:



Hazard Statement: May be fatal if swallowed and enters airways.

PRECAUTIONARY STATEMENTS

Response: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting.

Storage: Store locked up.

Disposal: Dispose of contents/container to an approved waste disposal plant.

Chronic Effects: Prolonged skin contact may defat the skin and produce dermatitis. See Section 11 for complete health hazard information.

Carcinogenicity: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC, ACGIH, OSHA or NTP.

SECTION III: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS #	Weight - %
* Lubricating Oils (petroleum), C-15-C30 hydrotreated neutral oils based	722623-86-0	90-95%
* Distillates (petroleum) hydrotreated light paraffinic	64742-55-8	90-95%

* White Mineral Oil	8042-47-5	90-95%
** Fatty Acid mixture	Proprietary	5-10%

* Product may contain any combination of these materials.

**There are no additional ingredients present, within the current knowledge of the supplier and in the concentrations applicable, that are classified as hazardous to health or the environment and hence require reporting in this section.

Specific chemical identity and/or exact percentage of mixture has been withheld as a trade secret.

SECTION IV: FIRST AID MEASURES

- Inhalation:** Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. If symptoms persist, obtain medical attention.
- Skin Contact/Absorption:** Wash skin thoroughly with soap and water. Remove contaminated clothing. If irritation develops, seek medical attention.
- Eye Contact:** Flush with large amounts of clear flowing water for at least 15 minutes. As a precaution remove any contact lenses if worn. Hold eyelids apart to ensure rinsing of the entire surface of the eye and lids with water. If irritation persists seek medical attention.
- Ingestion:** DO NOT induce vomiting. As a precaution get medical advice. If spontaneous vomiting occurs, place the victim's head below knee level. Never give anything by mouth to an unconscious person.
- Protection of First Aiders:** No action should be taken involving any personal risk or without suitable training.
- Note to Physician:** Treat symptomatically. Contact poison treatment specialists immediately if large quantities have been ingested or inhaled.

SECTION V: FIRE-FIGHTING MEASURES

- Flashpoint (Cleveland Open Cup):** 129° C (265° F) (Min)
- Flammable Limits:**
 - LEL:** Not applicable.
 - UEL:** Not applicable.
- Autoignition Temperature:** Not evaluated.
- Extinguishing Media:** Carbon dioxide, foam, dry chemical, water fog.
- Unusual Fire and Explosion Hazards:** This material will burn although it is not easily ignited. Highly dependent on combustion conditions. A complex mixture of airborne solids, liquids and gases including carbon monoxide, carbon dioxide and unidentified organic compounds will be evolved when this material undergoes combustion. Containers may explode when heated.
- Fire Fighting Equipment:** Wear self-contained breathing apparatus with full face piece operated in the positive pressure demand mode when fighting fires.

SECTION VI: ACCIDENTAL RELEASE MEASURES

Isolate area and limit access. Remove source of heat, sparks and flame. Stop source of leak if possible to do so without hazard.

METHODS FOR CLEANING UP

- Small Spills:** Dike area and take up using sand or other inorganic absorbent.

Large Spills: Dike area ahead of the spill, ventilate closed areas before entry. Take up using sand or other inorganic absorbent and place in containers for later disposal. Prevent material from entering waterways. If material does enter waterways, please contact the appropriate authorities immediately. Use personal protection equipment.

SECTION VII: HANDLING AND STORAGE

Handling & Storage: Do not store near excessive heat or oxidizers. Always segregate materials by major hazard class. Product should be handled and stored in accordance with industry practices. Store in properly closed containers that are well labeled. Store in dry, cool, well ventilated area. Store away from heat, open flame, strong oxidizers or other source of ignition. Keep containers closed when not in use. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash face and hands before eating, drinking and smoking. Use non-sparking tools and take precautionary measures against electrostatic discharges. For more information refer to OSHA Standard 29 CFR 1910.106 'Flammable and Combustible Liquids', National Fire Protection Association (NFPA 77), 'Recommended Practice on Static Electricity' and/or American Petroleum Institute (API) Recommended 2003 'Protection Against Ignitions Arising Out of Static, Lightning and Stray Currents'.

SECTION VIII: EXPOSURE CONTROLS / PERSONAL PROTECTION

Inhalation Protection: Not normally Required. If user generates an oil mist, determine if airborne concentrations are below exposure limit for an oil mist. If not, wear an approved respirator that provides adequate protection from measured concentrations of this material. For Air-purifying respirators use an Organic Vapor cartridge.

Eye Protection: Use safety glasses with side shields or goggles when transferring material to prevent material from splashing into the eye.

Skin Protection: Oil resistant gloves.

Engineering Controls: Local exhaust at point of generation. Local or general exhaust required when using material at elevated temperatures, which accelerates generation of vapors.

Exposure Guidelines:

Ingredient	CAS Number	Exposure Limits
* Lubricating Oils (petroleum), C-15-C30 hydrotreated neutral oils based	722623-86-0	
* Distillates (petroleum) hydrotreated light paraffinic	64742-55-8	
* White Mineral Oil	8042-47-5	
Oil Mist		5 mg/M ³ (ACGIH TWA) / 10 mg/M ³ (ACGIH TLV - STEL)

* Product may contain any combination of these materials.

SECTION IX: PHYSICAL AND CHEMICAL PROPERTIES

Appearance / Color	Clear to Light Yellow Liquid
Odor	Slight Petroleum odor
pH	10.0
Melting Point / Freezing Point	No information available
Boiling Point / Boiling Range	(F°): > 500
Flash Point	No information available
Evaporation Rate	No information available
Flammability (Solid, gas)	No information available
Upper Flammability Limit	No information available
Lower Flammability Limit	No information available
Vapor Pressure	(mmHg): < 0.01 @ 100° F
Vapor Density	(air = 1): > 1
Specific Gravity	0.86 - 0.88 at 60° F
Solubility(ies)	Negligible
Partition Coefficient	No information available
Autoignition Temperature	No information available
Decomposition Temperature	No information available
Viscosity	9 - 30 cSt @ 104° F

SECTION X: STABILITY AND REACTIVITY

Stability: Stable under normal temperature and pressure.

Conditions to Avoid: High temperatures, heat and open flames. Empty product containers may retain product residue. Do not pressurize, cut, heat or expose to flame; may explode and cause injury or death.

Materials to Avoid: Strong oxidizers, strong acids.

Hazardous Decomposition: Thermal decomposition is highly dependent on the combustion conditions. A complex mixture of airborne solid, liquid, particulate and gases will evolve when this material undergoes pyrolysis or combustion. Oxides of carbon and other unidentified organic compounds may be formed upon combustion.

Hazardous Polymerization: Will not occur.

SECTION XI: TOXICOLOGICAL INFORMATION

Skin Corrosion/Irritation: Not classified.

Serious Eye Damage/Eye Irritation: Not classified.

Respiratory Sensitization: Not classified.

Skin Sensitization: Not classified.

Germ Cell Mutagenicity: Not classified.

Carcinogenicity: This product is not considered to be a carcinogen by IARC, ACGIH, NTP or OSHA.

US OSHA SPECIFICALLY REGULATED SUBSTANCES (29 CFR 1910.1001-1050)

Reproductive Toxicity: Not classified.

Specific Target Organ Toxicity:
Single Exposure: Not classified.
Repeated Exposure: Not classified.

ACUTE TOXICITY

Eyes: Not expected to cause prolonged or significant eye irritation.

Skin: Contact with skin is not expected to cause prolonged or significant irritation. Contact with the skin is not expected to cause an allergic reaction. Not expected to be harmful to internal organs if absorbed through the skin. Wash thoroughly after handling.

Inhalation: Not expected to be harmful if inhaled. Contains petroleum-based oil. May cause respiratory irritation or other pulmonary effects following prolonged or repeated inhalation of oil mist at airborne levels above the recommended mineral oil mist exposure limit. Symptoms of respiratory irritation may include coughing and difficulty breathing.

Ingestion: Not expected to be harmful if swallowed.

Acute Toxicity Data:
Eye Irritation: Mild Irritant
Skin Irritation: Mild Irritant
Dermal LD50: > 2 g/kg (Rat)
Oral LD50: > 5 g/kg (Rabbit)
Inhalation LC50: 5.2 mg/l (Rat), 4 hours, dust/mist

Other Toxicity Data: Not considered to be toxic.

SECTION XII: ECOLOGICAL INFORMATION

Ecotoxicity: The toxicity of this product to aquatic organisms has not been evaluated. Consequently, this product should be kept out of sewage and drainage systems and all bodies of water.

Environmental Fate: This product is considered to be inherently biodegradable. This product is not expected to present any environmental problems other than those associated with oil spills. This product is not expected to be readily biodegradable. See Section 6 for accidental release measure.

SECTION XIII: DISPOSAL CONSIDERATIONS

Waste generated during application, demolition, breakage or spillage may be hazardous waste as defined by RCRA (40 CFR Part 261). Place waste spillage in closed container. Dispose of in approved landfill in accordance with federal, state and local regulations. Do not pollute. Conserve resources.

SECTION XIV: TRANSPORT INFORMATION

Hazard Class: Not regulated.
Identification Number: None
Label(s) Required: Compound: Lubricating oil

SECTION XV: REGULATORY INFORMATION

CERCLA Sections 102A / 103 Hazardous Substances (40 CFR Part 302.4): Not regulated.

SARA Title III Section 302 Extremely Hazardous Substance (40 CFR Part 344): Not regulated.

SARA Title III Section 311 / 312 Hazardous Categorization (40 CFR 370): Not regulated.

SARA Title III Section 311 / 312 MSDS Distribution - Chemical Inventory - Hazard Identification:

Fatty Acid: Immediate (acute) health hazard, delayed (chronic) health hazard.

SARA Title III Section 313 (40 CFR Part 372): None

US Inventory (TSCA): All ingredients listed on inventory or exempted.

OSHA Hazard Communication Standard: Under normal conditions this material is not known to be hazardous.

WHMIS Controlled Product Classification: This product is not considered a controlled product according to the criteria of the Canadian Controlled Products Regulation.

EC Inventory (EINECS / ELINCS): All components comply with the chemical inventory requirements.

Canada Inventory (DSL): All components comply with the chemical inventory requirements.

SECTION XVI: OTHER INFORMATION

Issue Date: 06/01/15

HAZARD RATINGS:

Version #: 1 **HMIS:** Health: 1 Flammability: 1 Physical Hazards: 0

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