

Safety Data Sheet

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name:	Oil Pro CSE-4	
Chemical Family:	Blend	
Application:	Cement strength enhancer	
Company Name:	ARC Products, INC	
Address:	4010 La Reunion Parkway	
	Suite 160	
	Dallas, TX 75212	
Company Telephone:	SDS and Product Information (7:00am – 4:00pm CST) Chemtrec North America	(214) 638-2468 (800) 424-9300

2. HAZARDS IDENTIFICATION

Classification:		
OSHA Regulatory Status	This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)	
Globally Harmonized System of Classification and Labelling of Chemicals (GHS)	Acute Toxicity Oral - Category 4 Skin Corrosion/Irritation - Category 2 Eye Damage - Category 1 Skin Sensitization - Category 1 Carcinogenicity - Category 1A Specific Target Organ Toxicity Single Exposure - Category 3 Specific Target Organ Toxicity Repeat Exposure - Category 1	
Pictogram		
Signal word:	Danger	
Hazard statements:	H302: Harmful if swallowed H315: Causes skin irritation H318: Causes serious eye damage H317: May cause an allergic skin reaction H350: May cause cancer H335: May cause respiratory irritation H372: Causes damage to organs through prolonged or repeated exposure	

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Precautionary statements:	Prevention P201: Obtain special instructions before use P202: Do not handle until all safety precautions have been read and understood P233: Keep container tightly closed P260: Do not breathe dust/fume/gas/mist/vapors/spray P264: Wash thoroughly with soap and water after handling P270: Do not eat, drink or smoke when using this product P271: Use only outdoors or in a well ventilated area P272: Contaminated work clothing should not be allowed out of the workplace P280: Wear protective gloves/protective clothing/eye protection/face protection
	Response P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell P302+P352 IF ON SKIN: Wash with plenty of soap and water P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing P308+P313 IF exposed or concerned: Get medical attention/advice P332+P313 If skin irritation occurs: Get medical advice/attention P337+P313 If eye irritation persists: Get medical advice/attention P362+P364 Take off contaminated clothing and wash it before reuse P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
	Storage P403: Store in a well ventilated area P405: Store locked up
	Disposal P501: Dispose of contents/containers in accordance with local/regional/national/international regulations.
Other information:	

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS No.	Percent wt%
Silica fume	69012-64-2	1 – 25
Calcium oxide	1305-78-8	1 – 50
Magnesium oxide	1309-48-4	1 – 50
Aluminum oxide	1344-28-1	1 – 25
Sulfur dioxide	7446-09-5	1 – 25
Calcium carbonate	1317-65-3	1 – 25
Calcium hydroxide	1305-62-0	1 – 25

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Silica	14808-60-7	1 – 25
Portland cement	65997-15-1	1 - 25

4. FIRST AID MEASURES

Inhalation:	Move person to fresh air. Seek medical attention for discomfort or if coughing or other symptoms do not subside.
Skin:	Wash with water and pH neutral soap or a mild skin detergent Seek medical attention for rash, irritation, dermatitis and prolonged unprotected exposures to wet product.
Eyes:	Rinse eyes thoroughly with water for at least 15 minutes, including under lids to remove all particles. Seek medical attention for discomfort or if irritation or other symptoms do not subside.
Ingestion:	Do not induce vomiting. If conscious, have person drink plenty of water. Seek medical attention or contact poison control immediately.
Medical Conditions:	
Notes to Physician:	Treat symptomatically

5. FIRE FIGHTING MEASURES

Products of Combustion:	In excess of 1000°C compounds will break down into their constituent oxides
Fire Extinguishing Media:	Water spray, foam, dry chemical, carbon dioxide (CO2)
Special hazards:	Do not breath dust
Special Protective Equipment for Fire Fighters:	Wear self-contained breathing apparatus for firefighting if necessary.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautionary Measures:	Wear appropriate protective equipment.
Environmental Precaution:	Do not flush concentrated product into surface water or sanitary sewer system.
Methods for Clean-up:	Evacuate personnel to safe areas.
Small Spill or Leak	Sweep or scoop up and remove. Try not to generate dust.
Large Spill or Leak	Sweep or scoop up and remove. Try not to generate dust.

7. HANDLING AND STORAGE

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Handling Precautions:	Properly ground all pneumatic conveyance systems. The potential exists for static build-up and static discharge when moving powders through a plastic, non-conductive, or non-grounded pneumatic conveyance system. The static discharge may result in damage to equipment and injury to workers.
Incompatible materials:	Wet product is alkaline and is incompatible with acids, ammonium salts and aluminum metal. Cement dissolves in hydrofluoric acid, producing corrosive silicon tetrafluoride gas. Cement reacts with water to form silicates and calcium hydroxide. Silicates react with powerful oxidizers such as fluorine, boron trifluoride, chlorine trifluoride, manganese trifluoride, and oxygen difluoride. Silica fume can react with Hydrofluoric acid (HF) to form toxic gas (SiF ₄).
Storage Information:	Keep dry until used. Stack bagged material in a secure manner to prevent falling. Bagged product is heavy and poses risks such as sprains and strains to the back, arms, shoulders and legs during lifting and mixing. Handle with care and use appropriate control measures.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls:	Use local exhaust and general dilution ventilation or other suppression methods to maintain dust levels below exposure limits.
Respiratory Protection:	Use respirator when performing operations involving potential exposure to vapor of the product. Use NIOSH approved respiratory protection.
Hand Protection:	Wear chemical resistant gloves.
Skin and Body Protection:	Wear gloves, boot covers and protective clothing impervious to water to prevent skin contact. Do not rely on barrier creams, in place of impervious gloves. Remove clothing and PPE that become saturated with wet product and immediately wash exposed areas.
Eye Protection:	Wear safety glasses with side shields, goggles or face shield.
Exposure Limits:	No limits established for this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Solid (powder)
Color:	Dark grey
Odor:	None
pH:	11 - 13
Specific Gravity @ 20 ° C, g/ml	2.5 – 2.8
Density @ 20 ° C (lbs/ft³):	80 - 83
Boiling Point:	Not determined

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Melting Point, °C / °F	Not determined
Vapor Pressure @ 21 °C (mm Hg)	Not determined
Percent Volatiles:	Not determined
Evaporation Rate (Butyl Acetate = 1)	Not determined
Solubility in Water:	Insoluble
Solubility in Solvents:	Not determined

10. STABILITY AND REACTIVITY

Stability Data:	Stable. Keep dry until use. These products may react with water, resulting in a slight release of heat, depending upon the amount of lime (Calcium oxide) present. Avoid contact with incompatible materials.
Hazardous Polymerization:	Will not occur under normal conditions
Conditions to Avoid:	None anticipated
Incompatibility (Materials to Avoid):	Wet product is alkaline and is incompatible with acids, ammonium salts and aluminum metal. Cement dissolves in hydrofluoric acid, producing corrosive silicon tetrafluoride gas. Cement reacts with water to form silicates and calcium hydroxide. Silicates react with powerful oxidizers such as fluorine, boron trifluoride, chlorine trifluoride, manganese trifluoride, and oxygen difluoride. Silica fume can react with Hydrofluoric acid (HF) to form toxic gas (SiF ₄).
Hazardous Decomposition:	Will not spontaneously occur. Avoid exposure to acids. Product exposed directly to acids may release hydrogen sulfide. Hydrogen sulfide is a hazardous, toxic and poisonous gas.
Additional Guidelines:	

11. TOXICOLOGICAL INFORMATION

Principal Route of Exposure:	
Inhalation:	May cause irritation to the throat and lungs
Skin Contact:	Will cause skin irritation especially if the skin is wet or the product is wet.
Eye Contact:	Will cause severe skin irritation and eye damage
Ingestion:	May results in very slight nausea/intestinal discomfort such as diarrhea.
Toxicological Data:	Not determined
Toxicity to Animals:	Not determined
Carcinogenicity:	Not determined on product

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12. ECOLOGICAL INFORMATION

Mobility (Water/Soil/Air):	Not determined
Toxicity of the Products of Biodegradation:	Not determined
Bioaccumulation:	Not determined
Ecotoxicological Information	Not determined
Acute Fish Toxicity:	Not determined
Acute Crustaceans Toxicity:	Not determined
Acute Algae Toxicity:	Not determined
Chemical Fate Information:	Not determined
Other information:	

13. DISPOSAL CONSIDERATIONS

Disposal Method:	Follow all applicable federal, state, and local regulations.
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14. TRANSPORT INFORMATION

DOT	DOT Proper Shipping Name: Not regulated Hazard Class: NA Subsidiary Class: NA UN Number: NA Packing Group: NA Emergency Response Guidebook #: NA
IMDG	Not regulated
ICAO/IATA	Not regulated

15. REGULATORY INFORMATION

HCS Classification:	None
<u>US FEDERAL REGULATIONS</u>	
US TSCA Inventory Listing	All intentionally present components are listed on the TSCA inventory.

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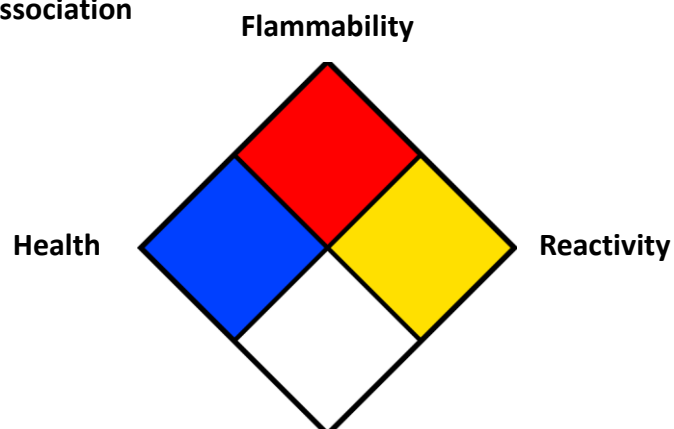
EPA SARA Title III: Extremely Hazardous Substances:	Substance: NA CAS: TPA (pounds): EHS-RQ (pounds):
EPA SARA (311/312) Classification	Delayed health hazard
EPA SARA (313) Chemicals:	Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372
EPA CERCLA Hazardous Substances (40 CFR 302):	This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.
EPA RCRA Hazardous Waste Classification:	NA
INTERNATIONAL REGULATIONS:	
Canadian DSL Inventory:	
STATE REGULATIONS	
California Prop. 65	WARNING: This material may contain chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

16. OTHER INFORMATION

HMIS	HEALTH	
	FLAMMABILITY	
	REACTIVITY	
	PERSONAL PROTECTION	

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National Fire Protection Association



To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplies nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Signed:	Mark Alexander
Date:	02/07/2025
Revised:	New