

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Telephone numbers: (517) 546-4520

Manufacturer/Supplier: CHEM-TREND LP
P.O. BOX 860
HOWELL, MI 48844-0860

Product Name: FRESH START

2. HAZARDS IDENTIFICATION

Physical State: Liquid

Appearance: Thick Liquid

Color: Creamy Green

Odor: Characteristic

Principle Routes of Exposure: Skin, eyes, respiratory tract, gastrointestinal tract

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS-No.	Weight %
Glycerin	56-81-5	10 - 20%
Aluminum oxide	1344-28-1	5 - 10%
Potassium chloride	7447-40-7	5 - 10%
Cleaner blend	-	10 - 20%
Water	7732-18-5	50 - 60%

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4. FIRST AID MEASURES

Skin contact:	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes
Eye contact:	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician
Inhalation:	Move to fresh air. If symptoms persist, call a physician.
Ingestion:	Do not induce vomiting without medical advice. Consult a physician if necessary.
Aggravated Medical Conditions:	No information available
Notes to physician:	No information available

5. FIRE-FIGHTING MEASURES

Flash point:	None to boiling.
Flame extension test, inches (aerosol products only):	Not applicable, no information available.
Suitable extinguishing media:	Product may burn under severe ignition conditions. Use foam, dry chemical, or carbon dioxide (CO ₂)
Unusual hazards:	None reasonably foreseeable
Special protective equipment for fire-fighters:	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear
Specific methods:	Standard procedure for chemical fires.
Explosive properties:	No information available.

6. ACCIDENTAL RELEASE MEASURES

Methods for cleaning up:	
Small spills:	Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container
Large spills:	Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13)

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7. HANDLING AND STORAGE

Handling:

Technical measures/precautions Ensure adequate ventilation.

Safe handling advice: Handle in accordance with good industrial hygiene and safety practice.
Normal measures for preventive fire protection
Do not re-use empty containers for other materials.

Storage:

Technical measures/storage conditions: Keep containers tightly closed in a dry, cool and well-ventilated place.

Incompatible products: Strong oxidizing agents.

Other precautions: None

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Components	CAS-No.	ACGIH TWA:	OSHA - TWA:	OSHA - Skin Notations	OSHA Z3 Mineral Dusts
Glycerin	56-81-5	-	15mg/m ³ TWA	-	-
Aluminum oxide	1344-28-1	-	15mg/m ³ TWA	-	-
Potassium chloride	7447-40-7	-	-	-	-
Cleaner blend	-	-	-	-	-
Water	7732-18-5	-	-	-	-

Engineering measures: Ensure adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

Personal Protective Equipment

Respiratory protection: In case of insufficient ventilation wear suitable respiratory equipment.

Hand protection: Impervious gloves

Eye protection: Tightly fitting safety goggles or safety glasses with side-shields

Skin and body protection: Lightweight protective clothing. Usual safety precautions while handling the product will provide adequate protection against this potential effect.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Initial boiling point: Approximately water.

Specific gravity: 1.02

Bulk density (lb/gal): 8.48

Vapor pressure
(mm Hg, 20 °C (68 °F)): Not determined.

Vapor density
(Air = 1.0): Not determined.

Evaporation rate: Not determined.

Volatiles content (%): 50 - 60 %

Water solubility: Miscible

pH of concentrate: Not determined.

Melting point range: Not applicable

Flash point: None to boiling.

Flammability limits in air: Not applicable

10. STABILITY AND REACTIVITY

Stability: Stable

Conditions to avoid: None known

Materials to avoid: Strong oxidizing agents

Hazardous decomposition
products: Carbon oxides

Polymerization: Hazardous polymerization does not occur

11. TOXICOLOGICAL INFORMATION
Acute toxicity
Component Information:

Components	CAS-No.	LD50 Oral	LD50 Dermal	LC50 Inhalation (Vapor)
Glycerin	56-81-5	-	10 g/kg (rabbit)	-
Aluminum oxide	1344-28-1	5000 mg/kg (rat)	-	-
Potassium chloride	7447-40-7	2600 mg/kg (rat)	-	-
Cleaner blend	-	-	-	-
Water	7732-18-5	-	-	-

Acute effects

Product contains proprietary ingredients. Health hazards are listed below.

Skin contact:

May cause skin irritation

Eye contact:

May cause severe irritation with corneal injury which may result in permanent impairment of vision, even blindness.. May cause eye burns.

Inhalation:

May cause irritation of respiratory tract

Ingestion:

Ingestion may cause gastrointestinal irritation

Sensitization:

No information available.

Other effects:

No information available.

Chronic effects
Carcinogenic effects:

Components	CAS-No.	NTP:	IARC:	OSHA:
Glycerin	56-81-5	No	No	No
Aluminum oxide	1344-28-1	No	No	No
Potassium chloride	7447-40-7	No	No	No
Cleaner blend	-	No	No	No
Water	7732-18-5	No	No	No

Mutagenic effects:

No information available

Reproductive toxicity:

No information available

Target Organ Effects:

No information available.

12. ECOLOGICAL INFORMATION
Ecotoxicity:

No data available

13. DISPOSAL CONSIDERATIONS
Method(s) of disposal:

Dispose of in accordance with local, state, and federal regulations. This product does not fall under current EPA RCRA definitions of hazardous waste.

US EPA Waste number:

None.

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14. TRANSPORT INFORMATION

IMDG - Marine Pollutants This product does not contain marine pollutants as classified by the International Maritime Organization.

Emergency Response Guidebook (ERG) No: No information available

Mode of Transportation:	UN/NA ID No:	Proper shipping name:	Technical name	Hazard Class:		Packing group:
DOT - Non-Bulk	-	Not regulated	-	-		-
DOT - Bulk	-	Not regulated	-	-		-
Canadian TDG	-	Not regulated	-	-		-
ICAO/IATA	-	Not regulated	-	-		-
IMO/IMDG	-	Not regulated	-	-		-

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15. REGULATORY INFORMATION

Federal Regulations

OSHA Hazardous Chemical: Yes

SARA Title III

CERCLA/SARA (304) Hazardous Substances and RQs

Components	CAS-No.	Weight %	RQ
Glycerin	56-81-5	10 - 20%	-
Aluminum oxide	1344-28-1	5 - 10%	-
Potassium chloride	7447-40-7	5 - 10%	-
Cleaner blend	-	10 - 20%	-
Water	7732-18-5	50 - 60%	-

SARA (302) Extremely Hazardous Substances and RQs

Components	CAS-No.	Weight %	TPQ
Glycerin	56-81-5	10 - 20%	-
Aluminum oxide	1344-28-1	5 - 10%	-
Potassium chloride	7447-40-7	5 - 10%	-
Cleaner blend	-	10 - 20%	-
Water	7732-18-5	50 - 60%	-

SARA (311/312) Classification:

Acute health hazard: Yes

Chronic health hazard: No

Fire: No

Sudden Release of Pressure No

Reactive: No

SARA (313) Toxic Chemicals

Components	CAS-No.	Weight %	SARA (313) List
Glycerin	56-81-5	10 - 20%	Not Listed
Aluminum oxide	1344-28-1	5 - 10%	X
Potassium chloride	7447-40-7	5 - 10%	Not Listed
Cleaner blend	-	10 - 20%	Not Listed
Water	7732-18-5	50 - 60%	Not Listed

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International Inventories

Australia:	This product does not comply with AICS
Canada:	This product does not comply with DSL or NDSL
China:	This product does not comply with CLECS.
Europe:	This product does not comply with EINECS
Japan:	This product does not comply with ENCS/MITI.
Korea:	This product does not comply with ECL.
New Zealand:	This product does not comply with NZIoC
Philippines:	This product does not comply with PICCS.
United States:	This product complies with TSCA.

16. OTHER INFORMATION

Hazardous Material Information System (USA):

Health 1 Flammability: 0 Physical hazard: 0 Personal Protection code: B

National Fire Protection Association (USA):

Health: 1 Flammability: 0 Instability: 0 Special Hazards: None/Not available

All revisions are marked with one or more asterisks (*)

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