



SAFETY DATA SHEET

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Manufacturer: Ver-tech Labs 6801 Bleck Drive Rockford, MN 55373 1-877-866-9742	Product Name: Clean Flex Product Code: CLEI30 Recommended Use: Degreaser Revision Date: 5/27/2015
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Chemical Emergency: Infotrac: 1-800-535-5053

SECTION 2: HAZARDS IDENTIFICATION

GHS Hazard Classification

Skin Corrosion	Category 2
Serious Eye Damage	Category 1
Skin Sensitization	Category 1
Flammable Liquid	Category 4

Signal Word

DANGER!



Hazard Statements

Causes skin irritation
 Causes serious eye damage
 May cause an allergic skin reaction
 Combustible Liquid

Precautionary Statements - Prevention

Avoid breathing mists, vapors, spray
 Wash thoroughly after handling
 Wear protective gloves and eye protection
 Contaminated work clothing must not be allowed out of the workplace
 Keep away from heat/sparks/open flames/hot surfaces. - No smoking

Precautionary Statements - Response

IF ON SKIN: Gently wash with plenty of soap and water
 Take off contaminated clothing and wash before reuse
 If skin irritation or rash occurs: Get medical advice/attention
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
 Call a POISON CENTER or doctor/physician if you feel unwell
 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction

Precautionary Statements - Storage

Store locked up
 Store in a well ventilated place. Keep cool

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

SECTION 3: INFORMATION ON HAZARDOUS INGREDIENTS

Product is a mixture according to 29 CFR 1910.1200.

Hazardous Components

Hazardous Ingredients	Cas #	Weight %
Disodium metasilicate	6834-92-0	0 - 10%
Orange terpenes	5989-27-5	0 - 10%
2-butoxyethanol	111-76-2	0 - 10%
Proprietary blend	Trade Secret	0 - 10%

Specific chemical identity and/or exact percentage of components has been withheld in accordance with a trade secret claim according to Appendix E 29 CFR 1910.1200.

SECTION 4: FIRST-AID MEASURES**First Aid Measures**

- General Advice:** Harmful if swallowed. Causes skin irritation and eye damage. If exposed or concerned, get medical advice/attention.
- Eye Contact:** Immediately flush with cool running water for at least 15 minutes while holding eyelids apart. Do not rub affected area. Remove contact lenses if applicable.
- Skin Contact:** Wash off immediately with soap and water while removing all contaminated clothes and shoes.
- Ingestion:** If swallowed, may cause burning of the mouth, throat and stomach. Call immediately for medical assistance. DO NOT induce vomiting. Rinse mouth with water, then drink 1-2 glasses of water. Never give anything by mouth to an unconscious person.
- Inhalation:** Remove to fresh air.

Most Important Symptoms and Effects

- Symptoms:** Severe burns to eyes. Symptoms may include stinging, tearing, redness, swelling and blurred vision. May cause an allergic skin reaction. May cause redness and pain.

Indication of any immediate medical attention and special treatment needed

- Note to Physician:** Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES**Flammable Properties**

- Flammability:** Considered to be a combustible liquid.
- Explosive Prop:** Not considered to be an explosive hazard.

Extinguishing Media

- Suitable:** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Unsuitable:** Do not use water jet as an extinguisher, as this will spread the fire.

Specific Hazards Arising from Chemical

- Hazards:** During fire, gases hazardous to health may be formed.

Protective equipment and precautions for fire-fighters

- Fire-Fight Method:** In the event of a fire, fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

SECTION 6: ACCIDENTAL RELEASE MEASURES

- Personal Precautions:** Evacuate personnel to safe areas. Isolate hazard area and deny entry. Stay upwind of spill/leak. Use personal protective equipment. Avoid contact with skin, eyes or clothing.
- Environ. Precautions:** Prevent release to the environment if possible. Dike large spills to prevent material from entering streams or sewer systems.
- Clean-Up Method:** Soak-up with inert absorbent material and place into appropriate container for disposal. Clean contaminated area thoroughly with water. Prevent product from entering drains.

SECTION 7: HANDLING AND STORAGE

- Handling:** Use personal protective equipment when needed. Avoid contact with skin, eyes, and clothing. Wash hands before eating, drinking, or smoking. Remove contaminated clothes and wash before reuse. Use in a ventilated area.
- Storage:** Store in closed containers in cool, dry, well-ventilated area. Avoid overheating or freezing. Keep in properly labeled containers and out of reach of children.
- Incomp. Materials:** Oxidizing agents. Strong acids and bases.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION**Exposure Guidelines**

Hazardous Chemical	OSHA PEL	ACGIH TLV
Disodium metasilicate	3 mg/m ³	No information available
Orange terpenes	No information available	No information available
2-butoxyethanol	50 ppm	20 ppm

Proprietary blend	No information available	No information available
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Appropriate Engineering Controls

Eng. Controls: Ensure adequate ventilation, especially in confined areas.

Personal Protection Equipment (PPE)

Eyes: Recommend safety goggles or shield.

Respiratory: Not usually necessary where ventilation is sufficient to maintain vapors under the TLV limit.

Skin: Avoid skin contact. Recommend chemical resistant gloves.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**Information on basic physical and chemical properties**

Physical State:	Liquid	Freezing Point:	Not determined
Appearance:	Blue liquid	Boiling Point:	Not determined
Color:	Blue	Evaporation Rate:	Not determined
Odor:	Orange	Vapor Pressure:	Not determined
Odor Threshold:	Not determined	Vapor Density:	Not determined
pH:	13.0	Relative Density:	Not determined
Flash Point:	> 140° F, closed cup	Flammability:	Not determined
Water Solubility:	Not determined	Explosive Limits:	Not determined
Viscosity:	Not determined	Part. Coefficient:	Not determined
Specific Gravity:	1.01	Auto-ignition Temp:	Not determined
Melting Point:	Not determined	Decomp. Temp:	Not determined

SECTION 10: STABILITY AND REACTIVITY

Stability:	Stable under ordinary conditions of use and storage.
Haz. Decomposition:	Thermal decomposition can lead to release of irritating and toxic gases and vapors.
Haz. Polymerization:	No information available.
Incompatibilities:	Oxidizing agents. Strong acids and bases.
Conditions to Avoid:	Heat, flames, sparks, moisture and incompatibles.

SECTION 11: TOXICOLOGY INFORMATION**Component Information**

Hazardous Chemical	LD50 Oral	LD50 Dermal
Disodium metasilicate	600 mg/kg (rat)	No information available
Orange terpenes	4400 mg/kg (rat)	> 5 g/kg (rabbit)
2-butoxyethanol	1,300 mg/kg (rat)	> 2,000 mg/kg (rat)
Proprietary blend	No information available	No information available

Potential Health Effects

Exposure Routes: Eye Contact, Dermal Contact, Ingestion, Inhalation

Acute Toxicity:

Eyes: Causes eye irritation with tearing, redness, and impaired vision.

Skin: Causes skin irritation, redness, and itching. May cause chemical burns.

Ingestion: Harmful or fatal if swallowed. Corrosive to mucous membranes, esophagus and stomach.

Inhalation: Respiratory irritant.

Chronic Effects: May cause damage to organs through prolonged or repeated exposure.

Carcinogenicity: Component listed as a possible carcinogen by IARC, Group 2

SECTION 12: ECOLOGICAL INFORMATION**Ecotoxicity**

Hazardous Chemical	Toxicity to Fish	Toxicity to Invertebrates
Disodium metasilicate	No information available	No information available

Orange terpenes	No information available	No information available
2-butoxyethanol	1,474 mg/l (96 h: Oncorhynchus mykiss)	1,550 mg/l (48 h: water flea)
Proprietary blend	No information available	No information available

Environmental Toxicity

Biodegradation: No information available.
Persistence: No information available.
Bioaccumulation: No information available.
Mobility: No information available.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal: Recover or recycle if possible. Disposal should be in compliance with applicable federal, state, and local regulations. Do not dispose of in the environment, in sewage, and/or in drains.

Container: Drain contaminated container thoroughly. Do not reuse container.

SECTION 14: TRANSPORT INFORMATION

Transport in accordance with all federal, state, and local regulations.

DOT: Not regulated as a dangerous good.

Special Provisions: 173.150 Exceptions for Class 3 (flammable and combustible liquids). (f) Combustible liquids. (1) A flammable liquid with a flash point at or above 100° F that does not meet the definition of any other hazard class may be reclassified as a combustible liquid 173.150 (f)(1).

SECTION 15: REGULATORY INFORMATION**US Federal Regulations**

TSCA Status: All components of this product are listed or exempt from listing on TSCA inventory.

CERCLA Reportable Quantity: None

Section 311/312 Hazard Category

Acute Health Hazard:	6834-92-0	Disodium metasilicate	0 - 10%
	5989-27-5	Orange terpenes	0 - 10%
	111-76-2	2-butoxyethanol	0 - 10%
Chronic Health Hazard:	5989-27-5	Orange terpenes	0 - 10%
	5989-27-5	Orange terpenes	0 - 10%
Fire Hazard:	111-76-2	2-butoxyethanol	0 - 10%
	111-76-2	2-butoxyethanol	0 - 10%
Sudden Release of Pressure:	No		
Reactive Hazard:	No		
Section 313 Toxic Chemicals	111-76-2	2-butoxyethanol	0 - 10%

SECTION 16: OTHER INFORMATION

Prepared by: Health and Safety Department

Contact Number: 1-877-866-9742

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Revision Note: MSDS converted to GHS SDS format

Version: 1

Disclaimer: The information provided in this Safety Data Sheet has been obtained from sources believed to be reliable. This information is offered for your information, consideration, and investigation. Ver-tech Labs cannot anticipate all conditions under which this information and its product may be used. 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. It is the user's responsibility to assume liability for loss, injury, damage or expense due to improper use.

End of Safety Data Sheet