



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:	4-4-1
		Product Code:	EXT374
		Recommended Use:	Multi-Functional Detergent
		Revision Date:	10/15/2018

Chemical Emergency: Infotrac: 1-800-535-5053

SECTION 2: HAZARDS IDENTIFICATION**GHS Hazard Classification**

Skin Corrosion/Irritation	Category I
Serious Eye Damage/Eye Irritation	Category I

Signal Word**DANGER!****Hazard Statements**

Causes severe skin burns and eye damage
Causes serious eye damage

Precautionary Statements - Prevention

Wash thoroughly after handling
Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response

IF SWALLOWED: Rinse Mouth. Do NOT induce vomiting
IF ON SKIN: Gently wash with plenty of soap and water
Wash contaminated clothing before reuse
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
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

Precautionary Statements - Storage**Precautionary Statements - Disposal****SECTION 3: INFORMATION ON HAZARDOUS INGREDIENTS**

Product is a mixture according to 29 CFR 1910.1200.

Hazardous Components

Hazardous Ingredients	Cas #	Weight %
Sodium dodecylbenzene sulfonate	25155-30-0	3 - 7%
Tetrasodium ethylenediaminetetraacetate	64-02-8	0.1 - 3%
Proprietary Blend	Trade Secret	1 - 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 skins burns and eye damage.

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 and skin. Symptoms may include stinging, tearing, redness, swelling and blurred vision.

Indication of any immediate medical attention and special treatment needed

Note to Physician: Product is a corrosive material. Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

Flammable Properties

Flammability: Not considered to be a fire hazard.

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. Aluminum.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Guidelines

Hazardous Chemical	OSHA PEL	ACGIH TLV
Sodium dodecylbenzene sulfonate	No information available	No information available
Tetrasodium ethylenediaminetetraacetate	No information available	No information available
Proprietary Blend	No information available	No information available

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:	Purple Liquid	Boiling Point:	Not determined
Color:	Purple	Evaporation Rate:	Not determined
Odor:	Cherry	Vapor Pressure:	Not determined
Odor Threshold:	No information available	Vapor Density:	Not determined
pH:	12.0	Relative Density:	Not determined
Flash Point:	Not determined	Flammability:	Not determined
Water Solubility:	Soluble in water	Explosive Limits:	Not determined
Viscosity:	Not determined	Part. Coefficient:	Not determined
Specific Gravity:	1.03	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. Aluminum.
Conditions to Avoid:	Heat, moisture and incompatibles.

SECTION 11: TOXICOLOGY INFORMATION**Component Information**

Hazardous Chemical	LD50 Oral	LD50 Dermal
Sodium dodecylbenzene sulfonate	> 1000 mg/kg (rat)	> 2000 mg/kg (rabbit)
Tetrasodium ethylenediaminetetraacetate	No information available	No information available
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 if swallowed. Corrosive to mucous membranes, esophagus and stomach.
Inhalation:	Respiratory irritant.
Chronic Effects:	Avoid repeated exposure. May aggravate pre-existing medical conditions including eye, skin and respiratory disorders.
Carcinogenicity:	Not listed as carcinogen by OSHA, NTP or IARC.

SECTION 12: ECOLOGICAL INFORMATION**Ecotoxicity**

Hazardous Chemical	Toxicity to Fish	Toxicity to Invertebrates
Sodium dodecylbenzene sulfonate	1.67 mg/l (96 hour: fish)	2.4 mg/l (48 hour: Daphnia)
Tetrasodium ethylenediaminetetraacetate	No information available	No information available
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

Proper Name: NA
Hazard Class: NA
UN Number: NA
Packing Group: NA
Special Provisions: Not regulated as a dangerous good.

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

U.S. State Right-to-Know Regulations

Hazardous Chemical	California Proposition 65
None	

Section 311/312 Hazard Category

Acute Health Hazard: No
Chronic Health Hazard: No
Fire Hazard: No
Sudden Release of Pressure Hazard: No
Reactive Hazard: No

Section 313 Toxic Chemicals None

SECTION 16: OTHER INFORMATION

Prepared by: Health and Safety Department

Contact Number: 1-877-866-9742

Issue Date: 4/16/2015

Revision Date: 10/15/2018

Revision Note: Product update

Version: II

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End of Safety Data Sheet