

SAFETY DATA SHEET

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: WAX & FINISH REMOVER

Product Code: VF0201 (Qt) / VF0200 (GI)

MANUFACTURER

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SECTION 2. HAZARDS IDENTIFICATION

CLASSIFICATION:

This product is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). Vapors may be irritating to eyes, nose, throat and lungs. May cause skin irritation and / or dermatitis.

GHS Ratings:

Skin corrosion / irritation:	1B
Eye damage / irritation:	1

GHS Hazards

H316	Causes mild skin irritation
H317	May cause an allergic skin reaction
H302	Harmful if swallowed
H311	Toxic in contact with skin
H314	Causes severe skin burns and eye damage

GHS Precautions

P260	Do not breathe dust/fume/gas/mist/vapours/spray
P264	Wash hands thoroughly after handling
P270	Do not eat, drink or smoke when using this product
P280	Wear protective gloves/protective clothing/eye protection/face protection

GHS Precautions Response

P312	Call a POISON CENTER or doctor/physician if you feel unwell
P321	Specific treatment (see on the product label)
P322	Specific measures (see on the product label)
P361	Remove/Take off immediately all contaminated clothing
P363	Wash contaminated clothing before reuse
P301+P312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
P302+P352	IF ON SKIN: Wash with soap and water
P303+P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
 P305+P351+P338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do, continue rinsing and Call a POISON CENTER or Doctor/physician

GHS Storage and Disposal

P405 Store locked up
 P403+P235 Store in a well-ventilated place. Keep cool
 P501 Dispose of contents/container in accordance with all local, regional, national and International regulations.

Signal Word: Danger



SECTION 3. COMPOSITION INFORMATION ON INGREDIENTS

Chemical Name	CAS number	Weight Range Concentration %
Water	7732-18-5	60.00 – 65.00
2-Butoxyethanol	111-76-2	25.00 – 27.00
Ethanolamine	141-43-5	4.00 – 6.00
Supplier Trade Secret 1	Proprietary	0.50 – 1.50
Supplier Trade Secret 2	Proprietary	0.01 – 0.15

SECTION 4. FIRST AID MEASURES

SIGNS AND SYMPTOMS OF OVEREXPOSURE

Eyes: Severe burning sensation, damage market by burns.
Skin: Burning sensation, redness.
Ingestion: Irritation of mouth, throat, along with stomach upset, vomiting.
Inhalation: Irritation of nose, throat and lungs with coughing, sneezing, possible difficulty breathing.
Acute Toxicity: Corrosive to eyes. Causes moderate to severe skin irritation. Harmful if swallowed.
Chronic Effects: Not Established

Inhalation: If user experience difficulty, move to air free of vapors. Administer oxygen or artificial respiration until medical assistance can be rendered. Obtain medical attention immediately.
 Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm

Eye Contact: Immediately rinse thoroughly with plenty of water for at least 15 minutes, remove contact lenses if present and easy to do. Continue to flush with water, forcibly holding eyelids apart to ensure complete irrigation of all of the eye and lid tissues. Flushing the eyes with water within several seconds is essential to achieve maximum effectiveness. Seek immediate medical attention.

Skin Contact: Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash off with soap and plenty of water. Consult a physician. Seek Immediate medical attention.

Ingestion: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth thoroughly with water. If vomiting occurs spontaneously, keep airway clear. Keep head low so that stomach content doesn't get into the lungs. Seek immediate medical attention.

Notes to Physician: Show this safety data sheet to the doctor in attendance. Probable mucosal damage may contraindicate the use of gastric lavage

SECTION 5. FIRE FIGHTING MEASURES

Flash Point: 65°C (144 °F)

General Hazard: Combustible liquid

Extinguishing Media: Use Dry chemical, carbon dioxide, or water spray when fighting fires involving this material.

Explosion Hazards: Fire exposed containers may burst due to increased pressure from heat.

Hazardous combustion Products: Alkaline vapors

Hazardous Decomposition Products: Not Established

Fire Fighting Procedures: Use an extinguishing agent suitable for surrounding fire

Fire Equipment: Wear NIOSH approved positive - pressure self-contained breathing apparatus and full protective clothing. In case of fire and/or explosion do not breathe fumes

SECTION 6. ACCIDENTAL RELEASE MEASURES

Environmental Precautions

Water Spill: Avoid discharges into open waterways.

Land spill: Avoid discharge to soil

Air Spill: Not Applicable

Spill / Leak Procedures: Follow preplanned emergency procedures. Only properly equipped, trained, functional personnel should attempt to contain a leak. All other personnel should be evacuated from the danger area. Using full protective equipment, apply appropriate emergency device or other securement technology to stop the leak if possible.

Small Spills: Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container. If necessary: neutralize the residue with a dilute solution of sodium carbonate.

Large Spills: Evacuation of surrounding area may be necessary for large spills. Wear appropriate personal protective equipment. Completely contain spilled material with dikes, sandbags, etc. Shut off ventilation system if needed, Reprocess or reuse if possible. Neutralize with soda ash or dilute caustic soda. Collect with appropriate absorbent and place into suitable container. Keep out of sewers and water supplies, this material is acidic and may lower the pH of the surface waters with low buffering capacity.

SECTION 7. HANDLING AND STORAGE

Handling Precautions: Read carefully all cautions and directions on product label before use. Since empty container retains residue, follow all label warnings even after container is empty. Dispose the empty container according to all regulations. Do not reuse this container.

Wear appropriate personal protective equipment. Do not breathe mist or vapor. Do not get in eyes, on skin, on

clothing. Wash thoroughly after handling. Observe good industrial hygiene practices. When mixing, slowly add acid to water to minimize heat generation and spattering. Never add water to acid.
Storage Requirements: Keep container tightly closed when not in use. Store in closed container away from heat, spark or open flame. Protect from freezing. Keep container properly labeled. Store away from incompatible materials. Store in the upright position.

Storage Temperature: (40°F) Minimum to (110°F) Maximum

Storage Pressure: Store at ambient atmospheric pressure

SECTION 8. EXPOSURE CONTROL AND PERSONAL PROTECTION

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Water /7732-18-5	Not Established	Not Established	Not Established
2-Butoxyethanol / 111-76-2	50 ppm TWA; 240 mg/m ³ TWA	20 ppm TWA	NIOSH: 5 ppm TWA; 24 mg/m ³ TWA
Ethanolamine / 141-43-5	3 ppm TWA; 6 mg/m ³ TWA	6 ppm STEL 3 ppm TWA	NIOSH: 3 ppm TWA; 8 mg/m ³ TWA 6 ppm STEL; 15 mg/m ³ STEL
Supplier Trade Secret 1	Not Established	Not Established	Not Established
Supplier Trade Secret 2	Not Established	Not Established	Not Established

Appropriate Engineering Controls: Ensure ventilation is adequate and that air concentrations of components are controlled below quoted Workplace Exposure Standards. If inhalation risk exists: use with local ventilation or while wearing suitable mist respirator. Keep containers closed when not in use.

Personal protection:

Eye Protection: Chemical splash goggles and full face - shield. Wearing chemical goggles with a face shield is recommended to safeguard against potential eye contact, irritation, or injury. Contact lenses should not be worn. Provide an emergency eyewash station or quick drench shower in the immediate work area.

Respiratory Protection: A respirator is not needed under normal and intended conditions of product use
Glove Type Recommended: Wear impermeable gloves. Gloves contaminated with product should be discarded. Promptly remove clothing that becomes soiled with products.

Other Protection: Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Before reuse, thoroughly clean any clothing or protective equipment that has been contaminated by prior use. Discard any clothing or other protective equipment that cannot be decontaminated, such as gloves or shoes.

Work / Hygienic / Maintenance Practices: A source of clean water should be available in the work area for flushing of eyes and skin.

Wash hands thoroughly after use and before eating, drinking, or smoking. Do not eat, drink, or smoke in the area. Discard any clothing or other protective equipment that cannot be decontaminated.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Colorless liquid
Odor	Solvent Characteristic
Odor Threshold	Not established
pH	13 to 14
Melting Point	Not available
Boiling Point & Boiling Range	100°C (212°F)
Flash point	62CC (144 °F)
Evaporation rate (water = 1)	1
Upper / Lower Flammability or Explosive Limits	1.3 to 10.6
Vapor pressure	No information available
Vapor Density	No information available
Relative Density (Specific Gravity)	0.97 +/- .02 @ 25°C (77 °F)
Solubility in Water	100%

SECTION 10. STABILITY AND REACTIVITY

- Reactivity:** Not reactive under normal conditions.
- Chemical stability:** Stable under recommended storage conditions.
- Possibility of hazardous reactions:** None under normal processing.
- Incompatible materials:** None known based on information supplied.
- Conditions to avoid:** Keep out of reach of children
- Hazardous decomposition products:** None known based on information supplied.

SECTION 11. TOXICOLOGICAL INFORMATION

Mixture Toxicity

Oral Toxicity LD50: 1,582mg/kg
Dermal Toxicity LD50: 348mg/kg
Inhalation Toxicity LC50: 1,621mg/L

Component Toxicity

111-76-2 2-Butoxyethanol
Oral LD50: 470 mg/kg (Rat) Dermal LD50: 99 mg/kg (Rabbit) Inhalation LC50: 450 ppm
(Rat)

Supplier Trade secret 1:

Oral LD50: 1,720 mg/kg (Rat) Dermal LD50: 1,000 mg/kg (Rabbit)

Routes of Entry: Eyes, skin, ingestion

No adverse health effects expected if the product is handled in an accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Ingestion: Swallowing can result in nausea, vomiting, diarrhea, abdominal pain and chemical burns to the gastrointestinal tract.

Eye Contact: a severe eye irritant. Corrosive to eyes; contact can cause corneal burns. Contamination of eyes can result in permanent injury.

Skin contact: Contact with skin will result in severe irritation. Corrosive to skin - may cause skin burns.

Inhalation: Breathing in mists or aerosols will produce respiratory irritation.

Chronic effects: Not information available

Condition Aggravated:

Inhalation: Vapors and mist will irritate throat and respiratory system and cause coughing.

Skin contact: Causes skin burns.

Eye contact: Causes eye burns.

Ingestion: Harmful if swallowed. Causes digestive tract burns. Ingestion may produce burns to the lips, oral cavity, upper airway, esophagus and possibly the digestive tract.

Symptoms related to the physical, chemical and toxicological characteristics:

Contact with this material will cause burns to the skin, eyes and mucous membranes. Permanent eye damage including blindness could result.

SECTION 12. ECOLOGICAL INFORMATION

Use closed systems when possible. Provide local exhaust ventilation where vapor or mist may be generated. Avoid discharge into drains, water courses or onto the ground.

General Ecological Information: No data available

Environmental data: Not Established

Ecotoxicological Information: No known significant effects or critical hazards noted
AQUATIC TOXICITY (ACUTE): No known significant effects or critical hazards.

96 Hour LC50: Not Established

96 Hour EC50: Not Established

Notes: Practically nontoxic

Component Ecotoxicity

2-Butoxyethanol 96 Hr LC50 *Lepomis macrochirus*: 1490 mg/L [static]; 96 Hr LC50
Lepomis
macrochirus: 2950 mg/L
48 Hr EC50 *Daphnia magna*: >1000 mg/L

Supplier Trade Secret 1 96 Hr LC50 *Pimephales promelas*: 227 mg/L [flow-through]; 96 Hr LC50
Brachydanio rerio: 3684 mg/L [static]; 96 Hr LC50 *Lepomis macrochirus*: 300 -
1000 mg/L [static]; 96 Hr LC50 *Oncorhynchus mykiss*: 114 - 196 mg/L [static];
96 Hr LC50 *Oncorhynchus mykiss*: >200 mg/L [flow-through]
48 Hr EC50 *Daphnia magna*: 65 mg/L
72 Hr EC50 *Desmodesmus subspicatus*: 15 mg/L

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods: Any method in accordance with local, state and federal laws. Best method is to recycle or reuse for intended purpose. If discarded, this material and its containers should be treated as hazardous waste based

on the characteristics of ignitability and corrosivity as defined under federal RCRA regulations (40 CFR 261). Consult

local authorities for disposal into public sewer.

Product Disposal: Small quantities (less than 1 gallon) of used material may be flushed to sanitary sewer with copious amounts of water. Larger quantities must be disposed of by licensed disposal company.

Empty Container: Rinse container with clear water, Offer container for recycling, or dispose of in trash.

RCRA/EPA Waste Information: Ignitability, corrosive

RCRA HAZARD CLASS: Not yet determined

SECTION 14. TRANSPORT INFORMATION

	DOT Classification	IMDG/ IMO Classification
UN Number	N/A	N/A
Proper shipping name	Not regulated	Not regulated
Transport hazard class	N/A	N/A
Packaging group	N/A	N/A

15. REGULATORY INFORMATION

OSHA HAZARD COMMUNICATION RULE, 29 CFR 1910.1200:

The Occupational Safety and Health Administration requires Safety Data Sheets to provide any hazards that may be associated with the product and make this information available in the workplace. Since the use pattern and exposure in the workplace are generally not consistent with those experienced by consumers, this SDS may contain additional health hazard information not pertinent to consumer use.

US TSCA INVENTORY STATUS All chemicals used in this product are either listed on or exempt from the TSCA Inventory.

CANADA DSL STATUS All chemicals used in this product are either listed or exempt.

SARA 302 COMPONENTS No chemicals used in this product are reportable under SARA Title III, Section 302.

SARA 311/312 HAZARDOUS CHEMICALS

Acute Health Hazard Yes

Chronic Health Hazard No

SECTION 16. OTHER INFORMATION

Hazardous Material Information System (HMIS)

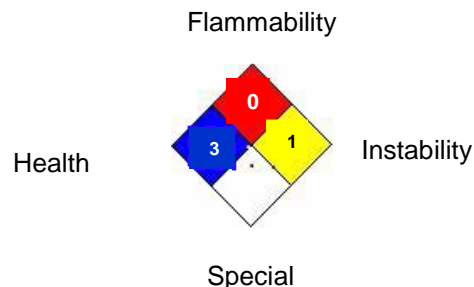
HEALTH	3
FLAMMABILITY	0
PHYSICAL HAZARD	1
PERSONAL PROTECTION	L

HMIS & NFPA Hazard Rating

Legend

- 0**
 * = Chronic Health Hazard
0 = INSIGNIFICANT
1 = SLIGHT
2 = MODERATE
3 = HIGH

National Fire Protection Association (NFPA)



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Reviewer Revision:

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