

1. Product and Company Identification

Product Code:	VF77T	
Product Name:	VF-77 T	
Company Name:	Vibra Finish Co. 2220 N. Shasta Way Simi Valley, CA 93065	Phone Number: (800)635-0259
Web site address:	www.vibrafinish.com	
Emergency Contact:	Chemtrec	(800)424-9300

Product Category: Burnishing compound

2. Hazards Identification

Serious Eye Damage/Eye Irritation, Category 1

Skin Corrosion/Irritation, Category 1B

Acute Toxicity: Oral, Category 4

Acute Toxicity: Inhalation, Category 4

Acute Toxicity: Skin, Category 4

Carcinogenicity, Category 1B



GHS Signal Word:

Danger

GHS Hazard Phrases:

H302 - Harmful if swallowed.
H312 - Harmful in contact with skin.
H314 - Causes severe skin burns and eye damage.
H318 - Causes serious eye damage.
H332 - Harmful if inhaled.
H350 - May cause cancer suspected of causing genetic defects and/or damaging fertility of the unborn child.

GHS Precautionary Phrases:

P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.
P264 - Wash hands thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P271 - Use only outdoors or in a well-ventilated area.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.

GHS Response Phrases:

P301+312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P302+352 - IF ON SKIN: Wash with plenty of soap and water.
P303+361+353 - IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+313 - IF exposed or concerned: Get medical attention/advice.
P310 - Immediately call a POISON CENTER or doctor/physician.
P321 - Specific treatment see more information on this SDS..
P330 - Rinse mouth.
P363 - Wash contaminated clothing before reuse.

GHS Storage and Disposal Phrases:	P405 - Store locked up. P501 - Dispose of contents/container to an approved disposal facility following all local, regional, national, international regulations.
OSHA Regulatory Status:	This material is classified as hazardous under OSHA regulations.
Potential Health Effects (Acute and Chronic):	The toxicological properties of this substance have not been fully investigated. When diluted with water, VF-77 T is not anticipated to pose a health hazard. Exercise caution, however, when working with the concentrated product (as supplied). All chemicals, regardless of concentration, should be handled with care and in manner that minimizes exposure.
Inhalation:	May be harmful if inhaled. Material may be irritating to mucous membranes and upper respiratory tract. May cause headaches, loss of appetite, nausea, fatigue, abdominal pain, dark urine and jaundice. May cause narcotics effects in high concentration. High concentrations may cause acute pulmonary edema. May cause lung damage.
Skin Contact:	May cause skin irritation. May cause skin rash (in milder cases), and cold and clammy skin with cyanosis or pale color.
Eye Contact:	Contact may cause transient eye irritation. May cause burning of eyes and flow of tears. May cause chemical conjunctivitis and corneal damage.
Ingestion:	May be harmful if swallowed. May cause gastrointestinal irritation and diarrhea. May cause irritation of the mucous membranes in the mouth, throat, esophagus, and stomach. May cause severe and permanent damage to the digestive tract.

3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration	
111-76-2	Ethanol, 2-Butoxy-	< 3.0 %	
141-43-5	Ethanol, 2-Amino-	< 2.5 %	
64-02-8	Ethylenediamine tetraacetic acid, tetrasodium salt	< 2.5 %	
77-09-8	Phenolphthalein	< 0.02 %	

4. First Aid Measures

Emergency and First Aid Procedures:

In Case of Inhalation:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if a respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as collar, tie, belt or waistband.
In Case of Skin Contact:	Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Gently wash with plenty soap and water. Wash contaminated clothing before reuse. Get medical attention if irritation develops or persists.
In Case of Eye Contact:	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Consult a physician.
In Case of Ingestion:	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Never give anything by mouth if victim is unconscious. Induce vomiting only on advice of physician.
Note to Physician:	Treat symptomatically and supportively. Show this safety data sheet to the doctor in attendance.

5. Fire Fighting Measures

Flash Pt:	> 71.10 C (160.0 F) Method Used: TAG Closed Cup
Explosive Limits:	LEL: NA UEL: NA
Autoignition Pt:	NA
Suitable Extinguishing Media:	Use water spray, dry chemical, carbon dioxide, or alcohol-resistant foam.
Unsuitable Extinguishing Media:	Avoid water in straight hose stream; will scatter and spread fire.
Fire Fighting Instructions:	As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Use standard firefighting procedures and consider the hazards of other involved materials. The product is not flammable.
Flammable Properties and Hazards:	No data available.
Hazardous Combustion Products:	Carbon dioxide. Carbon monoxide. nitrogen oxides (NOx), Metal oxides.

6. Accidental Release Measures

Protective Precautions, Protective Equipment and Emergency Procedures:	Evacuate personnel to safe areas. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation, especially in confined areas. For personal protection see section 8.
Environmental Precautions:	Do not let product enter drains, sewers, watersheds or water systems. Prevent further leakage or spillage if safe to do so. Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40CFR Parts 261. Additionally, waste generators must consult state and local hazardous water regulations to ensure complete and accurate classification. Observe all federal, state, and local environmental regulations.
Steps To Be Taken In Case Material Is Released Or Spilled:	Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container for proper disposal.

7. Handling and Storage

Precautions To Be Taken in Handling:	Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Avoid contact with eyes, skin, and clothing. Avoid inhalation of vapor or mist. Do not get in eyes, on skin or on clothing. Keep away from food and drinking water.
Precautions To Be Taken in Storing:	Store in a cool, dry place. Store in a tightly closed container. Observe good industrial hygiene practices.
Other Precautions:	Store away from incompatible material. Keep out of reach of children.

8. Exposure Controls/Personal Protection

CAS #	Chemical Name	Jurisdiction	Recommended Exposure Limits	Notations
111-76-2	Ethanol, 2-Butoxy-	ACGIH TLV	TLV: 20 ppm	
		California, USA PELs	TWA: 97 mg/m3 (20 ppm)	
		NIOSH	TWA: 5 ppm	
		OSHA PELs	PEL: 50 ppm	
141-43-5	Ethanol, 2-Amino-	ACGIH TLV	TLV: 3 ppm STEL: 6 ppm	
		California, USA PELs	TWA: 8 mg/m3 (3 ppm) STEL: 15 mg/m3 (6 ppm)	
		NIOSH	TWA: 3 ppm	

CAS #	Chemical Name	Jurisdiction	Recommended Exposure Limits	Notations
141-43-5 (continued)	Ethanol, 2-Amino-		STEL: 6 ppm	
		OSHA PELs	PEL: 3 ppm	

Respiratory Equipment (Specify Type):	Ensure adequate ventilation, especially in confined areas. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.
Eye Protection:	Wear safety glasses with side shields (or goggles) and a face shield.
Protective Gloves:	Wear chemical resistant protective gloves. The breakthrough time of the selected gloves must be greater than the intended use period.
Other Protective Clothing:	Use personal protective equipment.
Engineering Controls (Ventilation etc.):	Avoid breathing vapors and mists. Avoid generating mists or sprays to significantly reduce risk of respiratory exposure. If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.
Work/Hygienic/Maintenance Practices:	Always observe good hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wear work clothing and protective equipment to protect from contaminants. When using this product, do not eat, drink or smoke. Wash contaminated clothing before reusing.

9. Physical and Chemical Properties

Physical States:	<input type="checkbox"/> Gas <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Solid
Appearance and Odor:	Clear. Reddish. Pinkish. Odor: Mild glycol ether.
pH:	10-11 (10.0 %) at 68.0 F (20.0 C)
Melting Point:	No data.
Boiling Point:	> 100.00 C (212.0 F)
Flash Pt:	> 71.10 C (160.0 F) Method Used: TAG Closed Cup
Evaporation Rate:	Not available
Flammability (solid, gas):	No data available.
Explosive Limits:	LEL: NA UEL: NA
Vapor Pressure (vs. Air or mm Hg):	Not available
Vapor Density (vs. Air = 1):	Not available
Specific Gravity (Water = 1):	1.02 at 68.0 F (20.0 C)
Density:	Not available
Solubility in Water:	Complete
Saturated Vapor Concentration:	No data.
Octanol/Water Partition Coefficient:	No data.
Autoignition Pt:	NA
Decomposition Temperature:	No data.

Viscosity: Not available

Information with regard to primary physical hazard:

10. Stability and Reactivity

Stability: Unstable [] Stable [X]

Conditions To Avoid - Instability: High temperatures, ignition sources, incompatible materials.

Incompatibility - Materials To Avoid: Acids. Strong oxidizing agents.

Hazardous Decomposition or Byproducts: Carbon dioxide. Carbon monoxide. nitrogen oxides (NOx).

Possibility of Hazardous Reactions: Will occur [] Will not occur [X]

Conditions To Avoid - Hazardous Reactions: Hazardous polymerization will not occur under normal conditions. This product is stable and non-reactive under normal conditions of use, storage and transport. Material is stable under normal conditions.

11. Toxicological Information

Toxicological Information: Can cause eye irritation. Swallowing this product may cause gastrointestinal irritation, diarrhea, nausea, and vomiting.

Epidemiology: No information available.
 Teratogeny: No information available.
 Reproductive effects: No information available
 Mutagenicity: No Information available.
 Neurotoxicity: No information available.
 Other studies: CAS# 111-76-2
 Acute toxicity, LC50, Inhalation, rat, 450.0 ppm, 4H
 Acute toxicity, LD50, Oral, Rat, 470 mg/kg
 Acute toxicity, LD50, Skin, Rabbit, 220.0 mg/kg

Other Studies: CAS# 64-02-8
 Acute toxicity: LD50, Oral, Rat, 10.0 mg/kg

Other Studies: CAS# 141-43-5
 Acute toxicity, LD 50, Oral, Rat, 1720 mg/kg
 Acute toxicity, TDLo, Oral, Species, Rat, 115 gm/kg, 90D

Irritation or Corrosion: Adverse symptoms may include:
 Eye contact: pain, watering, redness.
 Skin Contact: pain or irritation, redness, blistering may occur.
 Inhalation: Coughing, respiratory tract irritation.
 Ingestion: Stomach pain.

Symptoms related to Toxicological Characteristics: No Data Available.

Sensitization: No Data Available. 2-Butoxyethanol is not absorbed in amounts sufficient to cause red blood cell hemolysis in humans.

Chronic Toxicological Effects: No Data Available.

Carcinogenicity/Other Information: CAS# 77-09-8
Presume to have carcinogenic potential for humans.
California Carcinogen, initial date 5/15/98

Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
111-76-2	Ethanol, 2-Butoxy-	n.a.	3	A3	n.a.
141-43-5	Ethanol, 2-Amino-	n.a.	n.a.	n.a.	n.a.
64-02-8	Ethylenediamine tetraacetic acid, tetrasodium salt	n.a.	n.a.	n.a.	n.a.
77-09-8	Phenolphthalein	Possible	2B	n.a.	n.a.

12. Ecological Information

General Ecological Information: No Data Available.

Results of PBT and vPvB assessment: No known significant effects or critical hazards.

Persistence and Degradability: No Data Available.

Bioaccumulative Potential: No Data Available.

Mobility in Soil: Terrestrial fate: 2-Butoxy ethanol, CAS# 111-76-2, Potential for mobility in soil is high (Koc between 50 and 150).
Partition coefficient (Koc): 67 estimated.

13. Disposal Considerations

Waste Disposal Method: Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40CFR Parts 261. Additionally, waste generators must consult state and local hazardous water regulations to ensure complete and accurate classification. Observe all federal, state, and local environmental regulations.
RCRA-P- Series: None Listed
RCRA U-Series: None Listed.

14. Transport Information

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: NOT REGULATED FOR DOMESTIC TRANSPORTATION.

DOT Hazard Class:

UN/NA Number:

MARINE TRANSPORT (IMDG/IMO):

IMDG/IMO Shipping Name: Not Regulated as dangerous goods.

UN Number: |

Packing Group:

Hazard Class:

AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: Not Regulated as dangerous goods.

UN Number:

Packing Group:

Hazard Class:

15. Regulatory Information

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
111-76-2	Ethanol, 2-Butoxy-	No	No	Yes-Cat. N230 (3%)
141-43-5	Ethanol, 2-Amino-	No	No	No
64-02-8	Ethylenediamine tetraacetic acid, tetrasodium salt	No	No	No
77-09-8	Phenolphthalein	No	No	Yes (<0.1%)

EPA SARA Title III Section 313 Toxic Release Inventory.

This product contains a toxic chemical or chemicals subject to the reporting requirements of EPCRA Section 313 (40 CFR Section 372).

- This material meets the EPA 'Hazard Categories' defined for SARA Title III Sections 311/312 as indicated:**
- Yes No Explosive
 - Yes No Flammable (gases, aerosols, liquid, or solid)
 - Yes No Oxidizer (liquid, solid or gas)
 - Yes No Self-reactive
 - Yes No Pyrophoric (liquid or solid)
 - Yes No Pyrophoric gas
 - Yes No Self-heating
 - Yes No Organic peroxide
 - Yes No Corrosive to metal
 - Yes No Gas under pressure (compressed gas)
 - Yes No In contact with water emits flammable gas
 - Yes No Combustible Dust
 - Yes No (Physical) Hazard Not Otherwise Classified (HNOC)
 - Yes No Acute toxicity (any route of exposure)
 - Yes No Skin Corrosion or Irritation
 - Yes No Serious eye damage or eye irritation
 - Yes No Respiratory or Skin Sensitization
 - Yes No Germ cell mutagenicity
 - Yes No Carcinogenicity
 - Yes No Reproductive toxicity
 - Yes No Specific target organ toxicity (single or repeated exposure)
 - Yes No Aspiration Hazard
 - Yes No Simple Asphyxiant
 - Yes No (Health) Hazard Not Otherwise Classified (HNOC)

California Proposition 65

WARNING

This product can expose you to chemicals including Phenolphthalein, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
111-76-2	Ethanol, 2-Butoxy-	CAA HAP,ODC: No CWA NPDES: No TSCA: Yes - Inventory: Active/Exempt FIFRA: Yes - Active - 011501: Am/CC, Inert: F/NF/Fr FDA/DEA CSA: No CA PROP.65: No CA TAC, Title 8: TAC: Cat. IIa, Title 8 MA Oil/HazMat: Yes MI CMR, Part 5: Yes - Cat. NC TAP: Yes - Cat. NJ EHS: Yes - Cat. NY Part 597: No PA HSL: Yes - 1

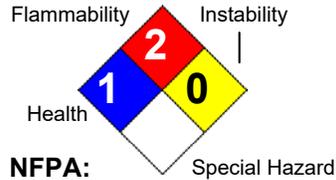
		SC TAP: Yes - Cat. WI Air: Yes
141-43-5	Ethanol, 2-Amino-	CAA HAP,ODC: No CWA NPDES: No TSCA: Yes - Inventory: Active/Exempt FIFRA: Yes - Active - 011601: Am, Inert: NF FDA/DEA CSA: No CA PROP.65: No CA TAC, Title 8: Title 8 MA Oil/HazMat: Yes MI CMR, Part 5: No NC TAP: No NJ EHS: No NY Part 597: No PA HSL: Yes - 1 SC TAP: Yes WI Air: Yes
64-02-8	Ethylenediamine tetraacetic acid, tetrasodium salt	CAA HAP,ODC: No CWA NPDES: No TSCA: Yes - Inventory: Active/Exempt FIFRA: Yes - Active - 039107: Unspecified, Inert: F/NF FDA/DEA CSA: No CA PROP.65: No CA TAC, Title 8: No MA Oil/HazMat: No MI CMR, Part 5: No NC TAP: No NJ EHS: No NY Part 597: No PA HSL: No SC TAP: No WI Air: No
77-09-8	Phenolphthalein	CAA HAP,ODC: No CWA NPDES: No TSCA: Yes - Inventory: Active FIFRA: No FDA/DEA CSA: No CA PROP.65: Yes: Canc. CA TAC, Title 8: No MA Oil/HazMat: No MI CMR, Part 5: No NC TAP: No NJ EHS: Yes - 4110 NY Part 597: No PA HSL: No SC TAP: No WI Air: Yes

Regulatory Information: PROPOSITION 65 (chemicals known to the state of California to cause cancer or reproductive toxicity): This product may contain traces of ethylene oxide (CAS# 75-21-8). Trace (cas# 123-91-1) 1, 4-dioxane. Trace (Cas#5064-31-3) nitrilotriacetate, Trace (cas# 77-09-8) phenolphthalein.

16. Other Information

Revision Date: 01/20/2022

Hazard Rating System:



Additional Information About This Product: No data available.

Company Policy or Disclaimer: Vibra Finish Company cannot anticipate all conditions which this information and our products, or the products of other manufacturers in combination with our products may be used. We accept no responsibility for results obtained by the application of this information, either alone or in combination with other products. Users are advised to make their own tests to determine the safety and suitability of each such product or product in combination for their own purposes. Unless otherwise agreed in writing, buyers and users assume all responsibility and liability for loss or damage arising from the handling and use of our products, whether alone or in combination with other products.