

1. Product and Company Identification

Product Code:	VF77TNC	
Product Name:	VF-77 T NC	
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 2A
Skin Corrosion/Irritation, Category 2
Acute Toxicity: Oral, Category 4
Acute Toxicity: Inhalation, Category 4
Acute Toxicity: Skin, Category 4
Specific Target Organ Toxicity (single exposure), Category 2



GHS Signal Word:

Warning

GHS Hazard Phrases:

H302 - Harmful if swallowed.
H312 - Harmful in contact with skin.
H315 - Causes skin irritation.
H319 - Causes serious eye irritation.
H332 - Harmful if inhaled.
H371 - May cause damage to organs skin through prolonged or repeated exposure.

GHS Precautionary Phrases:

P260 - Do not breathe 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.
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.
P309+311 - Call a POISON CENTER or doctor/physician if exposed or you feel unwell.
P312 - Call a POISON CENTER or doctor/physician if you feel unwell.
P321 - Specific treatment see more information on this SDS..
P330 - Rinse mouth.
P332+313 - If skin irritation occurs, get medical advice/attention.
P337+313 - If eye irritation persists, get medical advice/attention.
P362 - Take off contaminated clothing and wash before re-use.
P363 - Wash contaminated clothing before reuse.

GHS Storage and Disposal

P405 - Store locked up.

Phrases: P501 - Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

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-77T NC 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 narcotic 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-	< 6.0 %	
141-43-5	Ethanol, 2-Amino-	< 2.5 %	
127087-87-0	Poly(oxy-1,2-ethanediyl),.alpha.-(4-nonylphenyl)-.omega.-hydroxy-,branched	< 5.0 %	
9016-45-9	Poly(oxy-1,2-ethanediyl),.alpha.-(nonylphenyl)-.omega.-hydroxy-	< 5.0 %	

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.

Signs and Symptoms Of Exposure: Exposure can cause nausea, headache and vomiting. Gastrointestinal disturbances. Dermatitis. Serious eye damage. respiratory tract irritation and lung disease.

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: Pensky-Marten 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. Light Yellow. Liquid. Odor: Mild glycol ether.
pH:	9.5 - 10.5 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: Pensky-Marten Closed Cup
Evaporation Rate:	NA
Flammability (solid, gas):	No data available.
Explosive Limits:	LEL: NA UEL: NA
Vapor Pressure (vs. Air or mm Hg):	NA
Vapor Density (vs. Air = 1):	NA
Specific Gravity (Water = 1):	1.004 at 68.0 F (20.0 C)
Density:	NA
Solubility in Water:	Complete

Octanol/Water Partition Coefficient: No data.
Autoignition Pt: NA
Decomposition Temperature: No data.
Viscosity: NA

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, 470.0 mg/kg
 Acute toxicity, LD50, skin, rabbit, 220.0 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.

Other studies: CAS# 111-76-2
 Standard Draize test, Eyes, Species: Rabbit,, 100.0 mg, 24H

Other studies: CAS# 141-43-5
 Standard Draize Test, Eyes, species: Rabbit, 250 ug

Other studies: CAS# 9016-45-9
Standard Draize Test, Eyes, Species: Rabbit, 5.000 mg.
No Data Available.

Symptoms related to Toxicological Characteristics:

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: 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.
127087-87-0	Poly(oxy-1,2-ethanediyl),.alpha.-(4-nonylphenyl)-.omega.-hydroxy-,branched	n.a.	n.a.	n.a.	n.a.
9016-45-9	Poly(oxy-1,2-ethanediyl),.alpha.-(nonylphenyl)-.omega.-hydroxy-	n.a.	n.a.	n.a.	n.a.

12. Ecological Information

General Ecological Information: No Data Available.

Results of PBT and vPvB assessment:
CAS# 111-76-2
LC50, Water Flea (Daphnia magna), 1720 mg/l, 24H, intoxication
LC50, Common Shrimp, Sand Shrimp (Crangon crangon), 775000 ug/L, 96 H Mortality.
LC50, Amphipod (Chaetogammarus marinus), young organism(s), 1000 mg/l, 24H, Mortality.
LC50, Carp (Leuciscus idus ssp. melanotus), 1575 mg/l, 48H, Mortality.
Effective concentration to 0% of test organisms, BLue-Green Algae (Microcystis aeruginosa), 156000 ug/L, population.

CAS# 141-43-5
LC50, Water Flea (Daphnia magna), 140.00 mg/l, 24H, Intoxication
LC50, Bluegill (Lepomis macrochirus), 300 mg/l, 24 H, Mortality.

CAS# 9016-45-9
LC50, Water Flea (Daphnia pulex), 4800 ug/l, 48 H, Mortality
LC50, Rainbow Trout (Oncorhynchus mykiss), 4700 ug/l, 48 H, Mortality.

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 (6%)
141-43-5	Ethanol, 2-Amino-	No	No	No
127087-87-0	Poly(oxy-1,2-ethanediyl),.alpha.-(4-nonylphenyl)-.omega.-hydroxy-,branched	No	No	No
9016-45-9	Poly(oxy-1,2-ethanediyl),.alpha.-(nonylphenyl)-.omega.-hydroxy-	No	No	No

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:

- | | |
|---|--|
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Explosive | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Acute toxicity (any route of exposure) |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Flammable (gases, aerosols, liquid, or solid) | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Skin Corrosion or Irritation |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Oxidizer (liquid, solid or gas) | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Serious eye damage or eye irritation |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Self-reactive | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Respiratory or Skin Sensitization |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Pyrophoric (liquid or solid) | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Germ cell mutagenicity |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Pyrophoric gas | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Carcinogenicity |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Self-heating | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Reproductive toxicity |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Organic peroxide | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Specific target organ toxicity (single or repeated exposure) |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Corrosive to metal | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Aspiration Hazard |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Gas under pressure (compressed gas) | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Simple Asphyxiant |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No In contact with water emits flammable gas | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (Health) Hazard Not Otherwise Classified (HNOC) |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Combustible Dust | |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (Physical) Hazard Not Otherwise Classified (HNOC) | |

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
127087-87-0	Poly(oxy-1,2-ethanediyl),.alpha.-(4-nonylphenyl)-.omega.-hydroxy-,branched	CAA HAP,ODC: No CWA NPDES: No TSCA: Yes - Inventory: Active/Exempt, 8A PAIR FIFRA: Yes - 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
9016-45-9	Poly(oxy-1,2-ethanediyl),.alpha.-(nonylphenyl)-.omega.-hydroxy-	CAA HAP,ODC: No CWA NPDES: No TSCA: Yes - Inventory: Active/Exempt, 8A PAIR, 12(b) FIFRA: Yes - Active - 079005: Am/CC, Inert: F/NF/Fr FDA/DEA CSA: No CA PROP.65: No CA TAC, Title 8: No MA Oil/HazMat: No MI CMR, Part 5: No

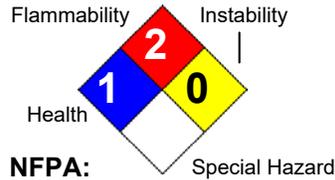
NC TAP: No NJ EHS: No NY Part 597: No PA HSL: No SC TAP: No WI Air: No

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.

16. Other Information

Revision Date: 10/11/2021
Preparer Name: Regulatory Affairs

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.