

Material Safety Data Sheet

Finico Water-based Varnish

Section 1- PRODUCT IDENTIFICATION

Product identifier/Trade name: WATER-BASED VARNISH

Product code/Internal Identification: None

Product use/Description: Varnish

Product chemical name: Mixture

Chemical family: N/Ap

MSDS preparation/review date: October 11, 2016

Supplier identifier: Produits Tembi, 797 ave Granada,
Rouyn-Noranda Qc, J9X 7B3,
Telephone: 1 888 797-4344,
Fax: 819 797-8841

Manufacturer identifier: Same as supplier.

Emergency phone number: Canutec 613 996-6666.

Section 2- HAZARDS IDENTIFICATION

Classification of hazardous product (name of the category or subcategory of the hazard class): None

Information elements (symbols, signal words, hazard statements and precautionary statements of the category/subcategory): None

Other hazards known: None

Section 3- CHEMICAL COMPOSITION / HAZARDOUS INGREDIENTS

Hazardous Ingredients	CAS #	Concentration (%)
2-(2-BUTOXYETHOXY) ETHANOL	112-34-5	< 5
2-Butoxyethanol	111-76-2	< 1

Section 4- FIRST AID MEASURES

Inhalation

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a doctor if you feel unwell.

Ingestion

IF SWALLOWED: Immediately call a doctor. Do not induce vomiting. NEVER give anything by mouth if victim is rapidly losing consciousness, or is unconscious or convulsing. Rinse mouth thoroughly with water. Have victim drink two glasses of water. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration.

Skin contact

IF ON SKIN: Wash with plenty of water (15-20 minutes). If skin irritation occurs: Get medical attention. Take off contaminated clothing and wash it before reuse.

Eye contact

IF IN EYES, Rinse cautiously with water for several minutes (5-10). Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

Most important symptoms and effects (acute or delayed)

Eye irritation.

Indication of immediate medical attention/special treatment

In all cases, call a doctor. Do not forget this document.

Section 5- FIRE FIGHTING MEASURES

Specific hazards of the hazardous product (hazardous combustion products)

Carbon oxides and other irritant/toxic gases and fumes.

Suitable and unsuitable extinguishing media

In case of fire: Use carbon dioxide, chemical powder agent and appropriate foam to extinguish surrounding products.

Special protective equipment and precautions for fire-fighters

During a fire, irritating/toxic smoke and fumes may be generated. Do not enter fire area without proper protection.

Firefighters should wear proper protective equipment and self-contained breathing apparatus with full facepiece.

Shield personnel to protect from venting, rupturing or bursting cans. Move containers from fire area if it can be done without risk. Water spray may be useful in cooling equipment and cans exposed to heat and flame.

Section 6- ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Restrict access to area until completion of clean-up. Ensure clean-up is conducted by trained personnel only. All persons dealing with clean-up should wear the appropriate protective equipment (See Section 8).

Methods and materials for containment and cleaning up

Ventilate area of release. Stop the leak if it can be done safely. Contain and absorb any spilled liquid concentrate with inert absorbent material, then place material into a container for later disposal (see Section 13). Contaminated absorbent material may pose the same hazards as the spilled product. Notify the appropriate authorities as required.

Section 7- HANDLING AND STORAGE

Precautions for safe handling

Wear gloves/protective clothing/eye protection/face protection.

Before handling, it is very important that engineering controls are operating, and that protective equipment requirements and personal hygiene measures are being followed. People working with this chemical should be properly trained regarding its hazards and its safe use. Inspect containers for leaks before handling. Label containers appropriately. Ensure proper ventilation. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact with eyes, skin and clothing. Keep away from heat, sparks and flame. Avoid generating high concentrations of dusts, vapours or mists. Keep away from incompatible materials (Section 10). Keep containers closed when not in use. Empty containers are always dangerous. Refer also to Section 8.

Conditions for safe storage, including any incompatibilities

Store in a well-ventilated place. Keep container tightly closed. Keep cool. Store locked up. Store away from incompatible materials (Section 10). Inspect all incoming containers to make sure they are properly labelled and not damaged. Storage area should be clearly identified, clear of obstruction and accessible only to trained personnel. Inspect periodically for damage or leaks.

Section 8- EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters (biological limit values or exposure limit values and source of those values)

Exposure limits: CAS 111-76-2 – ACGIH – TLV-TWA 20 ppm & PEL-TWA 50 ppm;

Appropriate engineering controls

Use under well-ventilated conditions. Local exhaust ventilation system is recommended to maintain concentrations of contaminants below exposure limits. Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

Individual protection measures/personal protective equipment

Respiratory protection is required if the concentrations are higher than the exposure limits. Use a NIOSH approved respirators if the exposure limits are unknown. Chemically protective gloves (impervious), and other protective clothing to prevent prolonged or repeated skin contact, must be worn during all handling operations. Wear protective chemical splash goggles to prevent mists from entering the eyes. Wash hands/nails/face thoroughly after handling. Do not eat, drink or smoke when using this product. Practice good personal hygiene after using this material. Remove and wash contaminated work clothing before re-use.

Section 9- PHYSICAL AND CHEMICAL PROPERTIES

Appearance, physical state/colour	White liquid
Odour	Characteristic
Odour threshold	Not available
pH	7.5 @ 20°C
Melting/freezing point:	Not available
Initial boiling point/range	100°C
Flash point	Not available
Evaporation rate	Not available
Flammability (solids and gases)	Not available
Upper and lower flammability/explosive limits	Not available
Vapour pressure	23 hPa @ 20°C
Vapour density	Heavier than air
Relative density	1.02 g/cm ³ @ 20°C
Solubility	Soluble
Partition coefficient - n-octanol/water	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Not available
VOC	Not available
Other	None known

Section 10- REACTIVITY AND STABILITY DATA

Reactivity

Does not react under the recommended storage and handling conditions prescribed.

Chemical stability

Stable under the recommended storage and handling conditions prescribed.

Possibility of hazardous reactions

None known.

Conditions to avoid (static discharge, shock or vibration)

None known.

Incompatible materials

Oxidizing materials; etc.

Hazardous decomposition products

None known

Section 11- TOXICOLOGICAL INFORMATION

Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact)

Causes transient eye irritation.

Symptoms related to the physical, chemical and toxicological characteristics

Eye irritation, redness, tearing.

Delayed and immediate effects (chronic effects from short-term and long-term exposure)

Skin Sensitization – No data available; Respiratory Sensitization – No data available; Germ Cell Mutagenicity – No data available; Carcinogenicity – No ingredient listed by IARC, ACGIH, NTP or OSHA; Reproductive Toxicity – No data available; Specific Target Organ Toxicity — Single Exposure – No data available; Specific Target Organ Toxicity — Repeated Exposure – No data available; Aspiration Hazard – No data available; Health Hazards Not Otherwise Classified – No data available.

Numerical measures of toxicity (ATE; LD50 & LC50)

Section 12- ECOLOGICAL INFORMATION

Ecotoxicity (aquatic and terrestrial information)

No data available for the product.

Persistence and degradability

No data available

Bioaccumulative potential

No bioaccumulation is to be expected.

Mobility in soil

No data available

Other adverse effects

No data available for the product.

Section 13- WASTE DISPOSAL

Information on safe handling for disposal/methods of disposal/contaminated packaging

Dispose of contents/container into safe container in accordance with local, regional or national regulations.

Section 14- TRANSPORTATION INFORMATION

UN number; Proper shipping name; Class(es); Packing group (PG) of the TDG Regulations

NOT REGULATED

UN number; Proper shipping name; Class(es); Packing group (PG) of the IMDG (maritime)

NOT REGULATED

UN number; Proper shipping name; Class(es); Packing group (PG) of the IATA (air)

NOT REGULATED

Special precautions (transport/conveyance)

None

Environmental hazards (IMDG or other)

None

Bulk transport (usually more than 450 L in capacity)

Possible

Section 15- REGULATORY INFORMATION

Safety/health Canadian regulations specifics

Refer to Section 2 for the appropriate classification. This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR).

Environmental Canadian regulations specifics

Refer to Section 3 for ingredient(s) of the DSL

Safety/health/environmental outside regulations specifics

United States OSHA information: This product is regulated according to OSHA (29 CFR).

United States EPA (Environmental Protection Agency) information: 40 CFR Refer to the ingredients listed in Section 3 & Sections 12; 13 & 14.

United States TCSA information: Refer to the ingredients listed in Section 3.

Section 16- OTHER INFORMATION

Date of the latest revision of the safety data sheet

References

Safety Data Sheets from manufacturer/supplier & from Canadian Centre for Occupational Health and Safety, CCOHS.

Abbreviations:

ACGIH	American Conference of Governmental Industrial Hygienists
AIHA	American Industrial Hygiene Association
CAS	Chemical Abstract Service
LC	Lethal concentration
LD	Lethal Dosage
IARC	International Agency for Research on Cancer
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program (U.S.A.)
OSHA	Occupational Safety and Health Administration (U.S.A.)
PEL	Permissible Exposure Limit
STEL	Short-term Exposure Limit
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act
TWA	Time Weighted Average
USEPA	United States Environmental Protection Agency
WHMIS	Workplace Hazardous Materials Information System

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. 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. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. End of the MSDS