

Material Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

ROBANDA INTERNATIONAL
1245 KNOXVILLE STREET
SAN DIEGO, CA, 92110
P: (800) 783.9969
P: (619) 276.7660
F: (619) 276.7661

Name of Product: ROB1006 NAIL STRENGTHENER

2. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Ingredients	CAS #	%	Hazard Symbol	Risk Phrases
Ethyl Acetate (**)	141-78-6	20-35%	F, XI	R11, R36, R66, R67
Butyl Acetate (**)	123-86-4	15-30%	F	R10, R66, R67
Ethyl Alcohol	64-17-5	10-25%	F	R11
Nitrocellulose	9004-70-0	5-20%	F	R11
Isopropyl Alcohol * (**)	67-63-0	1-15%	F	R37, R11, R36, R67
Triphenyl Phosphate	115-86-6	0-10%	N	R50, R53
Camphor	76-22-2	0-6%	F	R11

* Indicates toxic chemical (s) subject to the reporting requirements of Section 313 of Title III and of 40 CFR 372.

** Indicates chemical subject to reporting requirements under CERCLA

3. HAZARDS IDENTIFICATION

Flammability : Highly Flammable

Inhalation : Prolonged inhalation may be harmful.
: Can cause drowsiness, headaches, nausea, vomiting and narcosis.
: May cause lung irritation.

Skin : Mild skin irritant, can cause non-allergic contact dermatitis.

Eyes : Eye irritant both liquid and vapor

Ingestion : Causes gastro-intestinal irritation, nausea, vomiting and diarrhea.
: Kidney damage

Risk Phrases/Hazard Symbols: NOTE: Definition of listed Risk Phrases and Hazard Symbols (Section 2.) can be found in Section 15.

4. FIRST AID MEASURES

Inhalation	: Remove casualty to fresh air. : Seek medical attention.
Skin	: Wash off with proprietary remover, wash affected area with soap and water.
Eyes	: Irrigate with copious amounts of sterile water. : Seek medical attention.
Ingestion	: Do not induce vomiting. SEEK IMMEDIATE MEDICAL ATTENTION

5. FIRE FIGHTING MEASURES

MAGNITUDE	APPLICABLE EXTINGUISHER TYPE
Small fire	Carbon Dioxide, foam or dry chemical extinguishers.
Large fire	Water or foam extinguishers, water fog.

note:- In all cases keep nearby containers cool by spraying with water.

Keep away from heat and sources of ignition

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Use suitable protective clothing/equipment. Eliminate all sources of ignition. No Smoking.
Methods Of Cleaning Up	Contain spillage with earth or sand. Mop up small spill Sweep up, use sand or earth to absorb spill for larger spillages
Environmental Precautions	Do not allow to enter water courses or drains Dispose in accordance with local regulation Local authorities should be advised if significant spillages cannot be contained.

7. HANDLING AND STORAGE

Storage

Keep containers tightly closed, cool, dry, and away from sources of ignition, label containers
Eliminate possible point ignition sources, e.g. No smoking, Naked flames, static discharges.
Use flame proof electrical equipment.

Handling

No Smoking
Prevent static discharges.
Exposure by inhalation or skin contact should be minimized by good industrial hygiene.
Vapor is heavier than air, spreads along the ground.
Vapor can form an explosive mixture in air, prevalent in empty unclean vessels.
Use non-sparking utensils when handling this material.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Levels

Substance	8 hr TWA ppm	15 min TWA ppm
Ethyl Acetate (**)	400	500
Butyl Acetate (**)	150	200
Ethyl Alcohol	200	250
Nitrocellulose		
Isopropyl Alcohol * (**)	200	400
Triphenyl Phosphate	<1	<1
Camphor	2	3

Ventilation and extraction of appropriate design is necessary to meet the above levels.

Personal Protection

Chemical goggles should be worn.

Impervious gloves and overalls should also be worn.

An approved respirator should be worn if the maximum exposure levels above are surpassed.

HMIS RATING

Hazard Rating: (0=least, 1=slight, 2=moderate, 3=serious, 4=severe)

HEALTH: 2 FIRE: 3 REACTIVITY: 1 PP: G

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Liquid

Boiling/melting Point: Undefined

Flash Point: - 4° C or 24° F Method: TCC (Tag Closed Cup)

Upper/lower explosion limits: Undefined

Water Solubility: Insoluble

Vapor Density: Heavier than air

Specific Gravity (H₂O=1): 0.966

10. STABILITY AND REACTIVITY

Stability: Stable under recommended storage conditions, affected by U.V., store away from direct sunlight.

Incompatible With: Strong oxidizing agents. Acids, Alkalines, and Peroxides

Hazardous Decomposition: Combustion of nitrocellulose may evolve nitrous oxid (poisonous) fumes.
CO, CO₂, Nitrous Oxides, Smoke

Conditions to avoid: Flame, Electric spark, static and heat. Do not store @ Temperature Over 120°

Hazardous Polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

Toxicity:- LD 50 Rat:- Undefined

Organic solvents in the product may lead to removal of lipid soluble elements of the skin leading to non-allergic dermatitis upon repeated prolonged contact.

Vapor from solvents may cause: ill effects to the renal system; central nervous system problems; irritation to the respiratory tracts and other various mucosal membranes.

12. ECOLOGICAL INFORMATION

Product should not be allowed to enter drains or water courses.

Used in large volumes, this product may incur the requirements of the Environmental Protection Act (pollution control/air).

13. DISPOSAL CONSIDERATIONS

Dispose of product in accordance with local, county, state, and federal government Regulations.

14. TRANSPORT INFORMATION

Proper Shipping Name : Paint
Technical Name : Nitrocellulose Lacquer
U.N. number : 1263
DOT Hazard Class : 3 (Flammable Liquid)
Packing Group : II
Flash Point : - 4°C or 24° F TCC (Tag Closed Cup)
ADR : Class 3; F1
Marine Pollutant : Yes

15. REGULATORY INFORMATION

UNITED STATES FEDERAL REGULATIONS:

SARA: See section 2 for reportable material

SARA TITLE III: See Section 2

CERCLA: See Section 2

TSCA: - Components in this product have been verified as being on the TSCA Inventory and have been classified in accordance with the hazard criteria of the CFR and all information required.-

STATE REGULATIONS:

Proposition 65: None

EU Risk Phrases :
R10 Flammable
R11 Highly Flammable
R20 Harmful by inhalation
R21 Harmful in contact with skin
R22 Harmful if swallowed
R36 Irritating to eyes
R37 Irritating to respiratory system
R38 Irritating to skin
R41 Risk of serious damage to eyes
R43 May cause sensitization by skin contact
R50 Very toxic to aquatic organisms
R53 May cause longterm adverse effects in the aquatic environment
R65 Harmful: may cause lung damage if swallowed
R66 Repeated exposure may cause skin dryness or cracking
R67 Vapors may cause drowsiness and dizziness.

EU Safety Phrases :
S16 Keep away from sources of ignition- **No Smoking**
S23 Do not breathe vapor.
S25 Avoid contact with eyes.
S29 Do not empty into drains.
S33 Take precautionary measures against.

Hazard Symbols : Xn - Harmful
 Xi - Irritant
 F - Highly Flammable

NOTE: The appropriate Risk Phrases and Hazard Symbols pertaining to this product are listed Section 2.

16. FURTHER INFORMATION

This does not constitute a guarantee of product characteristics.

The information given is to the company's belief accurate and reliable at the date indicated.

No warranty, guarantee or representation to its accuracy, reliability or completeness is implied.