

Material Safety Data

FOR ANY EMERGENCY, CALL 24 HOURS/7 DAYS	+27824474921
FOR ALL TRASPORATION ACCIDENS, CALL CENTRE (R)	+27824474921
FOR ALL MSDS QUESTION & REQUESTS, CALL:	+27824474921

PRODUCT NAME: ELIM NAILHARDENER

1. PRODUCT AND COMPANY IDENTIFICATION:

REVISION DATE: 12 July 2016
SUPERCEDES:

STOCK NUMBER:
MSDS N.
code: 586.01

SYNONYMS:
CHEMICAL FAMILY:
FORMULA: RD 9172

Manufactured by: Buttercup Trading 47cc
Suite 4, No 5, 6th Avenue
Melkbosstrand
Cape Town
South Africa

2. COMPOSITION / INFORMATION ON INGREDIENTS

CAS or CHEMICAL NAME:

BUTYL ACETATE, ETHYL ACETATE, NITROCELLULOSE, ACETYL TRIETHYL CITRATE, PHTHALIC ANHYDRIDE/TRIMELLITIC ANHYDRIDE/GLYCOLS COPOLYMER, ISOPROPYL ALCOHOL, STEARALKONIUM HECTORITE, FUMARIC ACID, FORMALDEHYDE, ADIPIC ACID, PHTHALIC ANHYDRIDE/ADIPIC ACID/CASTOR OIL/NEOPENTYL GLYCOL/PEG-3/TRIMETHYLOLPROPANE COPOLYMER, TRICYCLODECANE DIMETHANOL COPOLIMER, CITRIC ACID, WATER, BUTYLENE GLYCOL, HYDROXYPROPYLTRIMONIUM HONEY, PHENYL TRIMETHICONE, ATELOCOLLAGEN, SPHINGOLIPIDS, CHITOSAN, CYCLODEXTRIN, DEXTRIN, CARBOMER.

3. HAZARDS IDENTIFICATION

OSHA Hazard Classification: This Product is not considered to be hazardous under OSHA 29 CFR 1910.1200.

Routes of Entry:

Inhalation, skin, eyes, ingestion

Chemical Interaction:

No known interaction

Medical Conditions Aggravated:

No data available

Human Threshold Response Data

Odor Threshold:

Not Established

Irritation Threshold:

Not Established

Immediate (Acute) Health Effects

Inhalation Toxicity:

Not expected to be toxic by inhalation. Not tested on animals.

Inhalation Irritation:

Not a respiratory irritant.

Skin Contact:

No significant adverse effects to health would be expected to occur from dermal contact. Not tested on animals. Prolonged exposure may cause irritation.

Eye Contact: Contact would be expected to cause transient redness if not washed out and left in the eye for an extended period of time. No corneal involvement or visual impairment is expected.

Ingestion Irritation: Ingestion may cause irritation of the gastrointestinal tract and gastrointestinal discomfort with any or all of the following symptoms: nausea, vomiting, lethargy or diarrhea.

Prolonged (Chronic) Health Effects

Carcinogenicity: This product is not known or reported to be carcinogenic by any reference source including IARC, OSHA, NTP or EPA.

Reproductive and Developmental Toxicity: Not known or reported to cause reproductive or developmental toxicity.

Inhalation: There are no known or reported effects from chronic exposure except for effects similar to those experienced from acute exposure.

Chronic Target Organ Toxicity: There are no known or reported effects to humans from repeated exposure to this product.

Supplemental Health Hazard Information: No additional health information available.

4. FIRST AID MEASURES

Inhalation: IF INHALED: Remove individual to fresh air

Skin Contact: IF ON SKIN: Flush skin with water for 15 minutes. Call a physician if irritation develops.

Eyes: IF IN EYES: Flush eyes with plenty of water for at least 15 minutes. Call a physician if irritation develops.

Ingestion: IF SWALLOWED: Immediately drink water to dilute. Consult a physician if symptoms develop. Never give anything by mouth to an unconscious person.

5. FIRE FIGHTING MEASURES

Flammability Summary (OSHA): Product is not known to be flammable, combustible, pyrophoric or explosive.

Flammable Properties

Flash Point: Above 250 degrees Celsius

Flash Point Method: Not applicable

Auto ignition Temperature: None

Fire / Explosion Hazards: Keep away from heat and fire

Extinguishing Media: Not Applicable – Choose extinguishing media suitable for surrounding material.

Fire Fighting Instructions: In case of fire, use normal fire fighting equipment including a NIOSH approved self-contained breathing apparatus (SCBA).

Hazardous Combustion Products: n/a

6. ACCIDENTAL RELEASE MEASURES

Personal Protection for Emergency Situations: No extra protection required beyond that listed in Section 8. In case of fire, use normal fire fighting equipment.

Spill Mitigation Procedures

Air Release: Not applicable

Water Release: This material is not soluble in water. Retain all contaminated water for removal and treatment. Notify all downstream users of possible contamination.

Land Release:	Create a dike or trench to contain materials. Absorb spill with inert material (e.g., dry sand, clay, earth, or commercial absorbent), then place in a chemical waste container. Contain all contaminated water for disposal and / or treatment. Do not place spill materials back in their original containers.
Additional Spill Information:	Stop source of spill as soon as possible and notify appropriate personnel. Utilize emergency response personal protection equipment prior to the start of any response. Evacuate all non-essential personnel. Dispose of spill residues per guidelines under Section 13, Disposal Consideration.

7. HANDLING AND STORAGE

Handling:	Do not take internally.
Storage:	Store in a cool, dry and well ventilated place. Isolate from incompatible materials.
Shelf Life Limitations	Shelf Life is 2 years from date of manufacture (located on the C of A) in an unopened container. Once material is open, material should be tested to confirm in spec.
Incompatible Materials for Storage:	Refer to Section 10, "Incompatible Materials."

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Ventilation:	No exposure limits exist for the constituents of this product. No engineering controls are likely to be required to maintain operator comfort under normal conditions of use.
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Protective Equipment for Routine Use of Product

Skin:	Not expected to cause harm.
Eyes:	Use safety glasses with side shields.
Protective Clothing Type:	Impervious

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	
Odor:	Characteristic
Molecular Weight:	Not Applicable / Mixture
pH	No data
Octanol / Water Coeff:	No data
Solubility in Water:	Soluble
Specific Gravity: g/cc	Not Applicable / Mixture
Vapor Density:	Not applicable
Vapor Pressure:	Not applicable
Evaporation Rate:	No data
Boiling Point, C	
Freezing Point:	No data
Volatiles, % by vol.:	
VOC Content % w/w / lbs / gal:	
HAP Content % w/w / lbs / gal:	

10. STABILITY AND REACTIVITY

Stability and Reactivity Summary:	Stable under normal conditions. Not sensitive to mechanical shock.
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Reactive Properties:	Not sensitive to mechanical shock. , Not sensitive to static discharge.
Hazardous Polymerization:	Will not occur
Conditions to Avoid:	High temperatures
Chemical Incompatibility:	Strong oxidizing agents
Hazardous Decomposition Products:	n/a
Decomposition Temperature:	No data

11. TOXICOLOGICAL INFORMATION

<u>Component Animal Toxicology</u>	– No animal testing is performed.
Oral LD50 value:	No data
Dermal LD50 value:	No data
Inhalation LC50 value:	No data
<u>Product Animal Toxicity:</u>	No animal testing is performed
Oral LD50 value:	Believed to be > 5.0 g/kg; practically non-toxic
Dermal LD50 value:	Believed to be > 2.0 g/kg; practically non-toxic
Skin Irritation:	Not expected to be irritating to the skin, except in cases where prolonged exposure has occurred.
Eye Irritation:	Contact would be expected to cause transient redness if not washed out and left in the eye for an extended period of time.
Reproductive and Developmental Toxicity	Not know or reported to cause reproductive or development toxicity.
Mutagenicity:	Not known or reported to be mutagenic
Carcinogenicity:	This chemical is not know or reported to be carcinogenic by any reference source including IARC, OSHA, NTP, or EPA.

12. ECOLOGICAL INFORMATION

Ecological Toxicity Values:	No data
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13. DISPOSAL CONSIDERATIONS

<p>CARE MUST BE TAKEN TO PREVENT ENVIRONMENTAL CONTAMINATION FROM THE USE OF THIS MATERIAL. THE USER OF THIS MATERIAL HAS THE RESPONSIBILITY TO DISPOSE OF UNUSED MATERIAL, RESIDUES AND CONTAINERS IN COMPLIANCE WITH ALL RELEVANT LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS REGARDING TREATMENT, STORAGE AND DISPOSAL FOR HAZARDOUS AND NONHAZARDOUS WASTES.</p>

Waste Disposal Summary:	Spent or discarded material is not expected to be a hazardous waste.
Potential US EPA Waste Codes:	Not applicable
Disposal Methods:	As a nonhazardous liquid waste, it should be disposed of in accordance with local, state and federal regulations by incineration.
Components subject to hand ban restrictions:	No components subject to land ban restrictions.

14. TRANSPORT INFORMATION

THIS MATERIAL IS NOT REGULATED AS A DOT HAZARDOUS MATERIAL.
DOT Description (49 CFR 172.101):

Land (U.S.DOT): Not Regulated
Air (IATA/ICAO): Not Regulated
Water (IMO): Not Regulated
Flash Point (C): above 250 degrees Celsius

15. REGULATORY INFORMATION

EUROPEAN UNION

Toxic Substances Control Act (TSCA): The components of this product are listed on the TSCA Inventory of Existing Chemical Substances.

Pesticide acceptance indication: US EPA Registration Number: Not applicable

Super fund Amendments and Reauthorization Act (SARA) Title III:

Hazard Categories Section 311/312 (40 CFR 370.2):

Health: None

Physical: None

Emergency Planning & Community Right to Know (40 CFR 355, App. A):

Extremely Hazardous Substance Section 302 – Threshold Planning Quantity: Not applicable

Reportable Quantity (40 CFR 302.4):

None listed

Supplier Notification Requirements (40 CFR 372.45), 313 Reportable Components.

No 313-listed chemicals in the product.

Clean Air Act Socmi:

Clean Air Act VOC Section 111

OTHER INFORMATION

MSDS REVISION STATUS:

Section(s) Revised:

MAJOR REFERENCES:

Available upon request

THIS MATERIAL SAFETY DATA SHEET (MSDS) HAS BEEN PREPARED IN COMPLIANCE WITH THE FEDERAL OSHA HAZARD COMMUNICATION STANDARD, 29 CFR 1910.1200. THE INFORMATION IN THIS MSDS SHOULD BE PROVIDED TO ALL WHO WILL USE, HANDLE, STORE, TRANSPORT, OR OTHERWISE BE EXPOSED TO THIS PRODUCT. THIS INFORMATION HAS BEEN PREPARED FOR THE GUIDANCE OF PLANT ENGINEERING, OPERATIONS AND MANAGEMENT AND FOR PERSONS WORKING WITH OR HANDLING THIS PRODUCT..... CHEMICALS MSDS CONTROL AT THE PHONE NUMBER ON THE FRONT PAGE TO MAKE CERTAIN THAT THIS DOCUMENT IS CURRENT.