

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: ELASTA-TUFF ACCELERATOR
PRODUCT CODE: Catalyst for Polyurethane Deck Coating

=====**SECTION I - COMPANY IDENTIFICATION**=====

DISTRIBUTED BY: The Rot Doctor
PO BOX 30612
Seattle, WA, 98113
(206)364-2155

FOR CHEMICAL EMERGENCY
Spill, Leak, Fire, Exposure or Accident
CALL INFOTRAC - Day or Night
1-800-535-5053
Outside the United States call Collect
1-352-323-3500

MSDS REVISED: January 03, 2011

=====**SECTION II - COMPONENT INFORMATION**=====

Hazardous Components	CAS No.	OSHA PEL	ACGIH TLV	MFG TLV	Vapor Pressure mm Hg @ TEMP
Proprietary Aliphatic Amine (Aldimine)	54914-37-3	N/E	N/E		

* Indicates toxic chemicals subject to the reporting requirements of section 313 of Title III and of 40 CFR 372. Information concerning non-hazardous ingredients is considered a trade secret.

=====**SECTION III - HAZARDS IDENTIFICATION**=====

EMERGENCY AND HAZARDS OVERVIEW: Combustible clear liquid. In confined spaces or areas with inadequate ventilation or exhaust, vapors may accumulate. Vapors are heavier than air and may travel to distant sources. Harmful if swallowed or inhaled. Overexposure to vapors may cause dizziness, headache, and nausea. The product can cause allergic reaction and irritation of nose, throat and lungs.

RATINGS Health 2 Flammability 1 Reactivity 1

PRIMARY ROUTE OF EXPOSURE: Skin x Inhalation x Eye x Ingestion x

HEALTH EFFECT INFORMATION

EYE CONTACT: May injure eye tissue if wiped or rubbed into eyes.

SKIN CONTACT: Corrosive. May cause burns or skin damage if left on the skin.

INHALATION: High concentrations of mist may cause nausea, headache, dizziness, weakness or fatigue. Vapors may cause respiratory tract irritation.

INGESTION: Moderately toxic. Ingestion may cause symptoms similar to those of inhalation.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Prolonged exposure to amines may aggravate allergic reactions to nose, throat and lungs.

===== SECTION IV - FIRST AID INFORMATION =====

EYE CONTACT: Immediately flush with plenty of water for at least 15 minutes.

SKIN CONTACT: Dry skin with paper towel or similar. Wash skin thoroughly with soap and water. Immediately remove contaminated clothing. Wash clothing before use.

INHALATION: Move the exposed person to fresh air at once. Get medical attention if any discomfort continues. When breathing is difficult, properly trained personnel may assist affected person by administering 100% oxygen. Get medical attention.

INGESTION: If swallowed contact a physician immediately. Do not induce vomiting. Decision to induce vomiting should only be made by a physician. Never give anything by mouth to an unconscious person.

===== SECTION V - FIRE AND EXPLOSION INFORMATION =====

FLAMMABLE PROPERTIES

FLASH POINT: 171°F

FLAME EXTENSION: NA

TEST METHOD: Pensky-Martens C.C.

TEST METHOD: NA

FLAMMABLE LIMITS IN AIR

UPPER PERCENT: NA

LOWER PERCENT: NA

AUTOIGNITION TEMPERATURE: NA

TEST METHOD: NA

NEPA CLASSIFICATION: H 3 F 2 R 1

EXTINGUISHING MEDIA: CO₂, foam or dry chemicals.

FIRE FIGHTING MEASURES

SPECIAL FIRE FIGHTING PROCEDURES AND EQUIPMENT: Use water spray only to cool containers. Wear NIOSH/OSHA approved, self-contained breathing apparatus and full protective gear.

UNUSUAL FIRE AND EXPLOSION CONDITIONS: Vapors may be ignited by heat or sparks. Heat-exposed containers may burst. Material may collect static charges which can cause incendiary electrical discharge. Empty container contains product residues. Do not pressurize cut, weld, drill, grind or expose containers to heat flame, sparks, static electricity or other sources of ignition. They may explode and cause injury or death.

HAZARDOUS COMBUSTION BY-PRODUCTS: CO, CO₂, Nox, HCN, unburned hydrocarbons.

===== SECTION VI - ACCIDENTAL RELEASE MEASURES =====

PERSONNEL SAFEGUARDS: Immediately evacuate all non-essential personnel to safe places. Emergency responders should wear proper protective gear before entering the affected area. Observe all precautions noted above.

REGULATORY NOTIFICATIONS: Waste of this product is defined as hazardous according to U.S. EPA. Spill reporting requirements and reportable quantities vary by region. Consult all applicable state and local regulations. For Canada, observe all precautions noted above.

CONTAINMENT AND CLEAN UP: Remove all sources of ignition. Avoid sparks, flames, heat and smoking. Ventilate. Stop leak if possible without risk. Prevent liquids from entering sewers, drains, or waterways by diking with sand or earth. Absorb with vermiculite or other absorbent material, then flush area with water. Put in open drums.

===== SECTION VII - HANDLING AND STORAGE INFORMATION =====

HANDLING: Eliminate all ignition sources and use explosion proof equipment. Provide good ventilation. Avoid prolonged contact with the skin. Use solvent resistant gloves. Avoid rubbing eyes while handling.

STORAGE: Store in cool, dry, ventilated space away from direct sunlight. Keep away from heat, sparks, and any open source of flames. Store at 10-30°C

EMPTY CONTAINER WARNINGS

DRUMS: Do not reuse empty containers. Do not cut, drill grind or weld on or near the empty pail or drum.

PLASTIC: Not applicable

===== SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION =====

EXPOSURE LIMITS AND GUIDELINES

COMPONENT	CAS No.	EXPOSURE LIMIT
Aldimine	54914-37-3	N.E.

PERSONAL PROTECTIVE EQUIPMENT

EYE/FACE PROTECTION: Wear safety goggles

SKIN PROTECTION: Use solvent resistant gloves.

RESPIRATORY PROTECTION: When using spray application, use MSHA/NIOSH approved positive pressure supplied air respirator with a full-face piece during application. After application use CCR (Chemical Cartridge Respirator).

PERSONAL HYGINE: Avoid rubbing eyes during handling. Wear chemical tight goggles or full face shield. Use good personal hygiene practices to avoid incidental ingestion.

ENGINEERING CONTROLS/WORK PRACTICES

VENTILATION: Provide local exhaust or area ventilation to maintain concentration of vapors below TLV use explosion proof ventilation equipment. When used with the base resin or other coatings, take care not to draw vapors into occupied office areas with inhabitants.

OTHER: Source of clean water should be available in the work area for flushing eyes and skin. Wash thoroughly with soap and water after use and before eating, smoking and using toilet.

===== SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES =====

APPEARANCE: Clear liquid	VAPOR PRESSURE: 0.4 mm Hg@ 100°C
ODOR: Strong Ammonia odor	
PHYSICAL STATE: Thin liquid	VAPOR DENSITY (AIR=1): >air
PH: Not applicable	PERCENT VOLATILE BY VOLUME: 50 - 55
DOT CORROSIVITY: Corrosive, NOS	VOLATILE ORGANIC CONTENT: 50 g/liter
BOILING POINT: 200°C 53mm Hg	MOLECULAR WEIGHT: NA
MELTING POINT: -50°C	AVERAGE CARBON NUMBER: NA
SPECIFIC GRAVITY: 0.86	VISCOSITY @ 100F: NA
POUR POINT: NA	VISCOSITY @ 40C: NA
SOLUBILITY IN WATER: Negligible	
OCTANOL/WATER COEFFICIENT: Log K = NA	

===== SECTION X - STABILITY AND REACTIVITY DATA =====

CHEMICAL STABILITY: Stable under normal conditions. Avoid heat, sparks, flames

CONDITIONS TO AVOID: Avoid contact with strong oxidizing materials and bases. Avoid contact with water.

INCOMPATIBLE MATERIALS TO AVOID: Strong oxidizers. Alkali metals., Reacts rapidly with water.

===== SECTION XI - TOXICOLOGICAL INFORMATION =====
(will only print available data)

PRIMARY EYE IRRITATION: Irritating

PRIMARY SKIN IRRITATION: Irritating

ACUTE DERMAL TOXICITY: NA

SUBACUTE DERMAL TOXICITY: NA

DERMAL SENSITIZATION: NA

INHALATION TOXICITY: NA

INHALATION SENSITIZATION: NA

ORAL TOXICITY: Mutagenicity: NA

CARCINOGENICITY: NA

REPRODUCTIVE TOXICITY: NA

TERATOGENICITY: NA

IMMUNOTOXICITY: NA

NEUROTOXICITY: NA

OTHER: NA

NO OTHER TOXICOLOGICAL INFORMATION AVAILABLE

===== SECTION XII - ECOLOGICAL INFORMATION =====

AQUATIC TOXICITY: Not known.

TERRESTRIAL TOXICITY: Not known

CHEMICAL FATE AND TRANSPORT: Not known

NO OTHER ECOLOGICAL INFORMATION AVAILABLE.

===== SECTION XIII - DISPOSAL INFORMATION =====

REGULATORY INFORMATION: Consult all regulations (federal, state, provincial, local etc.) or a qualified waste disposal firm when characterizing waste for disposal.

WASTE DISPOSAL METHODS: Mix the chemical with an inert material such as sand, vermiculite, etc. and place in a suitable container. Dispose of in accordance with Local Authority requirements.

===== SECTION XIV - TRANSPORTATION INFORMATION =====

U.S. DEPARTMENT OF TRANSPORTATION (DOT)

HIGHWAY/RAIL (BULK): Amine, liquid, Corrosive, n.o.s. (Blocked diamine), 8, UN2735, PG III

HIGHWAY/RAIL (NON-BULK): Amine, liquid, Corrosive, n.o.s. (Blocked diamine), 8, UN2735, PG III

The DOT description is provided to assist in the proper shipping classification of this product and may not be suitable for all shipping descriptions.

INTERNATIONAL INFORMATION

VESSEL: IMDG REGULATED: IMDG Not Regulated

AIR: ICAO REGULATED: ICAO Not Regulated

OTHER: No other information available

===== SECTION XV - REGULATORY INFORMATION =====

REGULATORY LISTS

U.S. TSCA INVENTORY: All components of this material are on the US TSCA Inventory or exempt from listing on the TSCA Inventory.

SARA 311/312 CATEGORIES

ACUTE: Yes **CHRONIC:** Yes **FIRE:** Yes **PRESSURE:** Yes **REACTIVE:** Yes

SARA SECTION 313: This product contains the following Sara, Title III, Section 313 Chemicals:

CHEMICAL	CAS Number
None	

REGULATORY LISTS SEARCHED

HEALTH & SAFETY:

ENVIRONMENTAL: NA

INTERNATIONAL: NA

STATE: FL, MA, MN, PA, RI

NATIONAL INVENTORIES: NA

CALIFORNIA PROPOSITION 65 INFORMATION: No warning required.

CHEMICAL	CAS Number
None	

CANADIAN WHMIS CLASSIFICATION

CLASS: B

DIVISION: 3

This product has been classified in accordance with hazard criteria of the Controlled Products Regulations (CPR). This MSDS contains all the information required by the CPR.

OTHER REGULATIONS: No other information available

===== SECTION XVI - OTHER INFORMATION =====

HEALTH AND ENVIRONMENTAL LABEL LANGUAGE All ingredients contained in this product are included on the US EPA Toxic Substances Control Act (TSCA) inventory or exempt from listing on the TSCA inventory. All ingredients contained in this product comply with the requirements of the Canadian Environmental Protection Act (CEPA) and are listed on the Domestic Substance List (DSL) or Non-Domestic Substance List (NDSL)

DISCLAIMER: The information contained herein is, to the best of the manufactures knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results and assume no liability for damages incurred by the use of this material. All chemicals may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose or any other nature are made hereunder with respect to the information contained herein or the chemical to which the information refers. It is the responsibility of the user to comply with all applicable federal, state and local laws and regulations. This data and information is furnished upon the condition that the person receiving it shall make his own determination of the conditions for safe use of this product.