PRODUCT NAME: ELASTUFF 102 BOOSTER UNITS
PRODUCT CODE: EL-102-B

~~~~ SECTION 1 ~~~~ MANUFACTURER IDENTIFICATION ~~~~

Manufacturer's Name : UNITED COATINGS MANUFACTURING CO.
Address : 19011 E. CATALDO
: SPOKANE VALLEY, WASHINGTON 99016-9423
:
INFORMATION PHONE : (509)926-7143
TOLL FREE : BACKUP(800)541-4383
DATE PRINTED : 5/12/2008
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~~~~ SECTION 2 ~~~~ HAZARDOUS INGREDIENTS/SARA III INFORMATION ~~~~

Reportable Components	CAS Number	MM HG @ Temp	Weight %
Reactive Modifier	Mixture	10 to 15 68F/20C	100

Contains:
Heterocyclic Substituted Diester No OEL's established
Heterocyclic Substituted Alcohol No OEL's established
Heptane CAS # 142-82-5 OSHA TWA: 500ppm, ACGIH TWA: 400ppm, STEL500ppm
~
*** No toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372 are present. ***

This MSDS may be used for other container sizes of this product.

~~~~ SECTION 3 ~~~~ HAZARDS IDENTIFICATION ~~~~

Potential Health Effects

Eyes:
Direct contact may result in irritation

Skin:
Liquid material in contact with the skin may cause irritation
Skin irritation: Rabbit;No skin irritation.

Ingestion:
Ingestion not likely under normal industrial use. Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful. If ingestion is suspected consult a physician immediately.

Inhalation:
Irritation of nose, throat, and lungs, headache, nausea, drowsiness, and dizziness. High concentrations may result in narcosis. (Central Nervous System depression).

~~~~ SECTION 4 ~~~~ FIRST AID MEASURES ~~~~

Eyes:
Immediately flush with copious amounts of water for at least 15 minutes. If redness, itching, or burning sensations persist consult a physician or ophthalmologist immediately.

Skin:
Remove from skin and wash thoroughly with soap and water or waterless cleanser. Get medical attention if irritation or other ill

effects develop or persist.

Ingestion:
Do not induce vomiting: contains petroleum ditillates and/or aromatic solvents. Drink 1 or 2 glasses of water.Never give anything by mouth to an unconscious person. Consult a physician immediately.

Inhalation:
Remove to fresh air. Get medical attention if ill effects persist.

Note to Physician:
Product contains petroleum distillate that may cause CNS symptoms. Careful gastric lavage may be indicated. Administration of absorbents may be of value

~~~~ SECTION 5 ~~~~ FIRE FIGHTING MEASURES ~~~~

Flammable Properties
Flash Point: 26C/80F
Lower Flammable Limits: N/A
Upper Flammable Limit: N/A
Auto Ignition Temperature: Not determined
Extinguishing Media:
On large fires use dry chemical, foam or water spray. On small fires use carbon dioxide (CO2), dry chemical or water spray. Water can be used to cool fire exposed containers

Special Fire Fighting Procedures:
Vapors can travel to a source of ignition and flash back. Heated material can form FLAMMABLE or EXPLOSIVE vapors with air. Use water spray to keep fire exposed containers cool. As in any fire, NIOSH approved (SCBA)self-contained breathing apparatus and protective clothing should be worn. Respiratory and eye protection required for fire fighting personnel. Full protective equipment should be used for all indoor fires and any significant outdoor fires. For small outdoor fires, use of an SCBA may not be required. Determine the need to evacuate or isolate the area according to your local emergency plan.
During a fire, irritating amine vapors and toxic gases such as carbon monoxide may be generated by thermal decomposition or combustion.

~~~~ SECTION 6 ~~~~ ACCIDENTAL RELEASE MEASURES ~~~~

Small Spill:
Remove all sources of ignition. Wear solvent resistant gloves. Spread inert, absorbent material over spill contents. Use non-sparking scoops and/or shovels, and deposit in a steel container for disposal.

Large Spill:
Remove all liquid with the use of a vacuum system. If unable to remove as a liquid, then absorb with sand, saw dust or commercial absorbent, and scoop up and place in containers for proper disposal.

~~~~ SECTION 7 ~~~~ HANDLING AND STORAGE ~~~~

Handling & Storage:

WARNING! Vapors can be evolved when material is heated during processing operations. GROUND all metal containers during STORAGE and handling. Use with adequate ventilation. Provide ventilation during use to control exposure within Section 8 guidelines. If TLV's are exceeded use appropriate respiratory protection. Avoid eye contact. Avoid skin contact. Do not breathe vapor. Keep container closed. Do not take internally. Keep container closed. Keep from freezing. Store away from excessive heat or cold.

Other Precautions:

~~~~ SECTION 8 ~~~~ EXPOSURE CONTROLS/PERSONAL PROTECTION ~~~~

Engineering Controls:
Use explosion-proof local exhaust ventilation with a minimum capture velocity of 100ft/min(0.5m/sec)at the point of vapor evolution.Refer to the current edition of Industrial Ventialtion:A Manual of Recommended Practice published by the American Conference of Govermental Industrial Hygienists for information on the design, installation,use,and maintenance of exhaust systems.

Respiratory Protection:
A respiratory protection program meeting OSHA 1910.134 and ANSI Z88.2 requirements or equivalent must be followed whenever workplace conditions warrant a respirator's use. None required if airborne concentrations are maintained below the exposure limit listed in Exposure Limit Information. Up to 1000 ppm organic vapor: Wear a properly fitted NIOSH approved (or equivalent) full-facepiece, air-purifying respirator, OR full facepiece, airline respirator in the pressure demand mode. Above 1000 ppm organic vapor or Unknown: Wear a properly fitted NIOSH approved (or equivalent) self-contained breathing apparatus in the pressure demand mode, OR full-facepiece, airline respirator in the pressure demand mode with emergency escape provision. Air-purifying respirators should be equipped with NIOSH approved (or equivalent) organic vapor cartridges and N95 filters. If oil mist is present, use R95 or P95 filters.

Skin Protection:
Hand protection: Chemical-resistant gloves should be worn whenever this material is handled. The glove(s) listed below may provide protection against permeation. (Gloves of other chemically resistant materials may not provide adequate protection): nitrile rubber Gloves should be removed and replaced immediately if there is any indication of degradation or chemical breakthrough. Rinse and remove gloves immediately after use. Wash hands with soap and water.

Skin and body protection: Use chemically resistant apron or other impervious clothing to avoid prolonged or repeated skin contact.

Eye Protection:
Safety glasses with side-shields Eye protection worn must be compatible with respiratory protection system employed.

~~~~ SECTION 9 ~~~~ PHYSICAL AND CHEMICAL PROPERTIES ~~~~

Boiling Range: 374F/190C
Melting Point: -7.00 °C (19.40 °F)

Specific Gravity(H2O=1): 1.0568
Vapor Density(Air=1): >1.0
Vapor Pressure: 10.0 - 15.0 mmHg at 20 °C (68.00 °F) estimated
Evaporation Rate(N-Butyl Acetate=1) : Evaporation Rate (BaC = 1): <1
WATER

Coating V.O.C.: 0.15 lb/gl **Coating V.O.C.: 18 g/l**
Material V.O.C.: 0.15 lb/gl **Material V.O.C.: 18 g/l**
Solubility in Water: Not Applicable-Decomposes
Appearance: Yellow to amber
Odor: Sour, burnt odor
pH: Not Applicable

~~~~ SECTION 10 ~~~~ STABILITY & REACTIVITY DATA ~~~~

Stability:
Stable under normal conditions.However, avoid temperatures above 150C/302F for prolonged periods to prevent slow decomposition.

Conditions To Avoid:
Extremely hot or cold temperatures and mixing/applying in inadequately ventilated areas.

Incompatible Materials:
Avoid contact with the following: strong oxidizing agents
Contact with the following materials may cause a reaction generating heat or decomposition: Water

Hazardous Decomposition Products
Thermal decomposition may yield the following:, amines, aldehydes,

Hazardous Polymerization:
Will not occur.

~~~~ SECTION 11 ~~~~ TOXICOLOGICAL INFORMATION ~~~~

*Data is for individual components of preparation.
Materials having a known chronic/acute effects on eyes:
Eye irritation: Rabbit; Slight to moderate irritation.
Materials having a known dermal toxicity.

Materials having a known oral toxicity.
ORAL LD50-RAT: >5000 MG/KG.
Materials having a known Inhalation hazard:
No animal data available.
Identified Acute/ Short-term Effects:
No animal data available.
Identified Carcinogens/Longterm Effects:
No animal data available.
Identified Teratogens:
No animal data available.
Identified Reproductive toxins :
No animal data available.
Identified Mutagens:
No animal data available.

~~~~ SECTION 12 ~~~~ ECOLOGICAL INFORMATION ~~~~

Ecotoxicological effects on plants and animals:
No Data Available.

Chemical Fate :
Product spills on porous surfaces can contaminate groundwater.

~~~~ SECTION 13 ~~~~ DISPOSAL CONSIDERATIONS ~~~~

Instructions:
Waste Classification: 40 CFR 261.20 - .24 - Characteristic Waste D001
When a decision is made to discard this material as supplied, it is classified as a RCRA hazardous waste with the characteristic of ignitability.
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/or nonhazardous wastes. Generally your local waste transfer station can advise you. State/provincial and local requirements for waste disposal may be more restrictive or otherwise different from federal laws and regulations. Regulations may also vary in different locations. Chemical additions, processing, storage, or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate. Waste characterization and disposal compliance are the responsibility solely of the party generating the waste or deciding to discard or dispose of the material.

~~~~ SECTION 14 ~~~~ TRANSPORT INFORMATION ~~~~

Shipping Information:
DOT Proper shipping name:Flammable liquids, n.o.s.(Heptane)
UN-No UN 1993
Class 3
Packing group III
~
IMO/IMDG Proper shipping name: FLAMMABLE LIQUID, N.O.S.(Heptane)
UN-No UN 1993
Class 3
Packing group III
~
Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations

~~~~ SECTION 15 ~~~~ REGULATORY INFORMATION ~~~~

(Not meant to be all inclusive-selected regulations represented)
US Regulations:
Status Of Substances Lists:
The Concentrations Shown In Section II Are Maximum Ceiling Levels (Weight %) to be used for calculations for regulations.
A reportable quantity is a quantity of a hazardous substance that triggers reporting requirements under the Comprehensive Environmental Response Compensation And Liability Act (CERCLA).
If a spill of a substance exceeds it's reportable quantity (RQ) in CFR 302.3,Table 40 302.4 Appendix A & 302.4 Appendix B, the release must be reported to The National Response Center At (800) 424-8802, The State Emergency Response Commission (SERC), And community emergency coordinators likely to be affected.

Components present that could require reporting under the statute are:
Heptane, CAS#142-82-5
CERCLA Information (40CFR302.4)
This material is regulated under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA)and the Superfund Amendments and Reauthorization Act (SARA) Title III Section 304. This material is or contains chemical(s) listed in 40 CFR Table 302.4 or nondesignated RCRA ICR substance(s). (Nondesignated ICR substances apply to materials that will not be reused.) The Reportable Quantity(s) (RQ) are listed below. Releases in excess of its reportable quantity must be reported to the National Response Center (1-800-424-8802) and to the appropriate state and local emergency response organizations.
D001, 100 lbs.

Superfund Amendments And Reauthorization Act Of 1986 (SARA) Title III Requires emergency planning based on the Threshold Quantities(TPQ'S)and release reporting based on Reportable Quantities (RQ'S) In 40 CFR 355 Appendix A&B Extremely Hazardous Substances. The emergency planning and release requirements of 40 CFR 355 apply to any facility at which there is present any amount of any extremely hazardous substance(EHS) equal to or in excess of it's Threshold Planning Quantity(TPQ).
Components present that could require reporting under the statute are:
None known.

EPCRA 40 CFR 372(Section 313) Requires EPA and the States to annually collect data on releases of certain toxic materials from industrial facilities, and make the data available to the public in the Toxics Release Inventory(TRI). This information must be included in all MSDS'S that are copied and distributed or compiled for this material. Reporting Threshold: Standard: A facility must report if it manufactures (including imports) or processes 25,000 pounds or more or otherwise uses 10,000 pounds or more of a listed toxic chemical during the calendar year.
Components present that could require reporting under the statute are:
See Section II
The components of this product are listed or excluded from listing on the US Toxic Substance Control Act (TSCA) chemical substance inventory. Mixtures shall be assumed to present the same health hazards as do the components which comprise one percent (by weight or volume) or greater of the mixture, except that the mixture shall be assumed to present a carcinogenic hazard if it has a component in concentrations of 0.1 percent or greater. The remaining percentage of unspecified ingredients, if any, are not contained in above DeMinimis concentrations and/or are believed to be non-hazardous under the OSHA Hazard Communication Standard (29 CFR 1910.1200), and may consist of pigments, fillers, defoamers, wetting agents, resins, dryers,anti-bacterial agents, water and/or solvents in varying concentrations.
International Regulations:
Canadian WHMIS:
This product with Heptane:CAS#142-82-5, is a 'controlled product' under the Canadian Workplace Hazardous Materials Information System (WHMIS).
CLASS B - FLAMMABLE AND COMBUSTIBLE MATERIALS
Division 2 - Flammable Liquid

Canadian Environmental Protection Act (CEPA):

All of the components of this product are exempt or listed on the DSL.See Section II For Composition/Information on Ingredients

EINECS:
Heptane CAS#142-82-5 EINECS#:205-563-8
This chemical substance is not listed in a priority list (as forseen under Council Regulation (EEC) No 793/93 on the evaluation and control of the risks of existing substances.).

State Regulations:
California:
California Proposition 65: The following Statement is made in order to comply with The California Safe Drinking Water and Toxic Enforcement Act of 1986
"WARNING:This product contains the chemical(s) appearing below known to the State of California to:
A: Cause Cancer
None known.
*If tinted contains Carbon Black:CAS#1333-86-4 and may also contain trace amounts of Crystalline Silica:CAS#14808-60-7
B: Cause Birth Defects or other Reproductive Harm :
None known.
In addition to the above named chemical(s)(if any),this product may contain trace amounts of chemicals, known to the State of California, to cause Cancer or Birth Defects and other Reproductive Harm
Delaware:
Listed on the Delaware Air Quality Management List:
None known.

Florida:
Listed As Toxic Heptane:CAS#142-82-5
Idaho:
NONE KNOWN
Massachusetts:
Heptane:CAS#142-82-5 SUBSTANCE CODES 2,4,5,6
Michigan:
None known
Minnesota:
The following are listed in the Minnesota Hazardous Substances List

Chemical Name	CAS#	Codes	Hazards	Carcinogen?
Heptane	142-82-5	ANO	--	NO

New Jersey:
None known.
New York:
None known.
Pennsylvania:
Heptane 142-82-5 CODE:--
Washington:
Heptane CAS# 142-82-5

Washington Air Contaminant:	ppm	mg/Cubic Meter
TWA	400	1600
STEL	500	2000
Ceiling	UNK	UNK

Skin:UNK

Wisconsin:
NONE KNOWN
West Virginia
NONE KNOWN

~~~~ SECTION 16 ~~~~ OTHER INFORMATION ~~~~

HMIS® III
Health : 1
Flammability : 2
Physical Hazard : 1
*Following Health rating Indicates Chronic/Carcinogenic Effects
HMIS® III Personal Protection : I
This rating is for the product as it is packaged. This rating will need to be adjusted by the user based on conditions of use.

The information contained herein is furnished without warranty of any kind. Users should consider these data only as a supplement to other information gathered by them & determine the suitability & completeness of information from all sources to assure proper use & disposal of these materials & the safety & health of employees & customers