

MAY 26 1994

PRODUCT NUMBER : 3301/1349 DATE PREPARED : 04-21-92
PRODUCT NAME : Belzona 4151 Solidifier PAGE 4 OF 4
N.ap means Not Applicable NIA means No Information Available

SECTION IX - SAFE HANDLING AND STORAGE

HANDLING AND STORAGE PRECAUTIONS

HANDLING

Avoid breathing vapors and contact with skin and eyes.

STORAGE

Overheating may cause containers to rupture. Containers should be stored under cool, dry conditions. Empty containers will retain residue and may be dangerous. Check all containers for leaks at regular intervals and before use.

HYGIENE PRACTICES

When using, do not eat, drink or smoke. Remove contaminated clothing and laundry before reuse. Wash hands with soap and water after handling this product.

SECTION X - REGULATORY INFORMATION

SARA TITLE III - NOTIFICATION OF TOXIC CHEMICALS

None of the constituents of this product are subject to reporting requirements under section 313 of the Superfund Amendment and Reauthorization Act of 1986 (40 CFR Part 372).

DISCLAIMER

To the best of our knowledge, the information contained herein is accurate. However, some of the information presented and conclusions drawn are derived from sources other than direct test data on the product itself and while Belzona America Inc. believe such sources to be reliable, the information is provided without any warranty regarding its correctness.

Since Belzona America Inc. has no control over the conditions under which the product will be used, liability will not be assumed to exceed replacement or refund of the purchase price of this product. Except as stated herein, there are no express or implied warranties including implied warranties of merchantability or fitness for a particular purpose. Belzona America Inc. assumes no liability for injury or incidental or consequential damage arising out of the storage, handling, use or disposal of this product.

<p>MATERIAL SAFETY DATA SHEET In compliance with OSHA 29 CFR 1910.1200 N.ap means Not Applicable NIA means No Information Available PREPARED BY: J. PARTINGTON DATE PREPARED : 04-21-92 PAGE 1 OF 4</p>	
<p>BELZONA AMERICA INC., 2000 N.W. 88 COURT, MIAMI, FL 33172</p>	<p>EMERGENCY PHONE NUMBERS DAY : 305-594-4994 NIGHT : 305-274-6512 INFORMATION PHONE NUMBER : 305-594-4994</p>

SECTION I - PRODUCT IDENTIFICATION

PRODUCT NUMBER : 3301/1349
PRODUCT NAME : Belzona 4151 (Belzona Magma-Quartz) Solidifier
PRODUCT CLASS : Modified polyamine

SECTION II - HAZARDOUS INGREDIENTS / TOXICOLOGICAL DATA

Hazardous Components	% by Weight	CAS Number	Exposure Limits			Toxicity		
			OSHA PEL mg/m3	ACGIH ppm	TLV mg/m3	LD50mg/Kg Oral	LC50ppm Dermal	Inhal
TRIMETHYLHEXA-METHYLENE DIAMINES	10-30	25620-58-0	NIA	NIA	NIA	NIA	NIA	NIA
m-XYLENE DIAMINE	10-30	1477-55-0	0.1	N.ap	0.1	1600	2000	700/1H
p-TERTBUTYL PHENOL	30-60	98-54-4	NIA	NIA	NIA	2951	2288	NIA

CARCINOGENICITY

No data is available for the mixture, however, none of the ingredients are listed as carcinogens by OSHA, NTP, ACGIH or IARC.

SECTION III - PHYSICAL DATA

APPEARANCE AND ODOR : Pale yellow liquid with amine odor.
BOILING POINT : NIA SPECIFIC GRAVITY : 1.12
VAPOR PRESSURE : NIA VAPOR DENSITY : NIA
EVAPORATION RATE : NIA %VOLATILE BY VOLUME : 0
SOLUBILITY IN WATER : Slight (0.1 - 1.0%)

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT : 130°C EXPLOSION LIMITS LOWER : NIA
TEST METHOD : Pensky Martens closed cup UPPER : NIA

OSHA FLAMMABILITY CLASS : N.ap
FLAMMABILITY INDEX (NFPA) : 1 Slight
REACTIVITY INDEX (NFPA) : 1 Slight
HEALTH HAZARD (NFPA) : 3 Serious

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EXTINGUISHING MEDIA : Water fog (not a direct stream of water), foam,
carbon dioxide, dry chemical.

SPECIAL FIRE FIGHTING PROCEDURES
Wear protective clothing and use self-contained breathing apparatus.
Full bunker gear should be worn in extreme cases. Use sand to contain
burning material.

UNUSUAL FIRE AND EXPLOSION HAZARDS
Decomposition and combustion products may be hazardous.

SECTION V - HEALTH HAZARDS

ROUTE(S) OF ENTRY : Skin contact, skin absorption, eye contact.
PRIME HAZARD(S) : Corrosive.

EFFECTS OF EXPOSURE
Acute : Causes burns to skin, eyes and mucous membranes. Vapors can cause
irritation of eyes and respiratory tract.
Chronic: Chemical burns and sensitization. May cause depigmentation of the
skin ('occupational vitiligo' or leucoderma).

EMERGENCY AND FIRST AID PROCEDURES
Inhalation : If symptoms are experienced, remove source of contamination
and/or move victim to fresh air. If recovery is delayed or
there are signs of distress obtain medical attention
immediately.
Eye contact : Flush eyes with water for 15 minutes. Immediate first aid
is necessary to prevent eye damage. Seek medical advice if
any irritation persists.
Skin contact: Immediately remove excess with a clean cloth and wash
thoroughly with soap and water. If irritation or
inflammation persists, seek medical advice.
Ingestion : If swallowed, do not induce vomiting. Rinse mouth with
water and drink 1 cup of water every 10 minutes for
30 minutes. Call TAMPA BAY Regional Poison Center
(Tel.No.1-800-282-3171) and/or seek medical advice.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE
Skin eye and respiratory conditions.

SECTION VI - REACTIVITY DATA

STABILITY : Stable
STABILITY CONDITIONS TO AVOID : N.ap

INCOMPATIBILITY (MATERIALS TO AVOID CONTACT WITH)
Strong oxidizing agents, acids and epoxy resins in uncontrolled conditions.

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HAZARDOUS DECOMPOSITION PRODUCTS
Gaseous combinations of carbon, hydrogen, nitrogen and oxygen may occur
at elevated temperatures.

HAZARDOUS POLYMERIZATION
Hazardous polymerization will not occur when stored and used as directed.

POLYMERIZATION CONDITIONS TO AVOID
N.ap

SECTION VII - SPILL AND LEAK PROCEDURES

SPILLAGE
Absorb with an inert material (eg earth or sand). Sweep up, place
into suitable labelled containers, seal and dispose of properly.
Flush area with detergent and water.

WASTE DISPOSAL METHODS
Dispose of in accordance with Local, State and Federal Regulations.

SECTION VIII - SPECIAL PROTECTION INFORMATION

PERSONAL PROTECTIVE MEASURES
RESPIRATORY : In confined areas or where good natural/mechanical
ventilation is not available, leading to a risk of exceeding
the TLV's indicated, an appropriate NIOSH or MSHA approved
respirator should be worn.

SKIN : Impermeable gloves, such as Neoprene or PVC.
Wash hands with soap and water and use hand cream.
Suitable protective clothing to minimize skin contact.
Remove contaminated clothing and wash before reuse.

EYE : Safety glasses or goggles.
Eyewash station.

MECHANICAL PROTECTIVE MEASURES
VENTILATION : Where adequate natural ventilation is not available provide
suitable local exhaust ventilation.

OTHER PROTECTIVE EQUIPMENT
: Where there is a risk of contamination of footwear, safety
boots should be worn and cleaned thoroughly before reuse.

OTHER COMMENTS
: Where machining or abrading of cured material leads to the
production of respirable and/or nuisance dust, an appropriate
NIOSH or MSHA approved respirator should be worn.