

PRODUCT NUMBER: 1202/0988 PRODUCT NAME : Belzona 9111 N.ap means Not Applicable

DATE PREPARED : 02-16-92 PAGE 4 OF 4 NIA means No Information Available

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 launder before reuse. Wash hands with soap and water after handling this product.

SECTION X - REGULATORY INFORMATION

SARA TITLE III - NOTIFICATION OF TOXIC CHEMICALS

1,1,1-Trichloroethane, CAS Number 71-55-6, a constituent of this product at >95% by weight, is 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.

In compliance with OSHA 29 CFR 1910.1200 NIA means No Information Available N.ap means Not Applicable

MATERIAL SAFETY DATA SHEET

PREPARED BY: J. PARTINGTON

DATE PREPARED : 02-16-92

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BELZONA AMERICA INC., 2000 N.W. 88 COURT,

MIAMI,

DAY : 305-594-4994 NIGHT : 305-274-6512

INFORMATION PHONE NUMBER : 305-594-4994

EMERGENCY PHONE NUMBERS

FL 33172

SECTION I - PRODUCT IDENTIFICATION

PRODUCT NUMBER : 1202/0988

PRODUCT NAME : Belzona 9111 (Belzona N.F. CLEANER/DEGREASER)

PRODUCT CLASS : Solvent based cleaner and degreaser

SECTION II - HAZARDOUS INGREDIENTS / TOXICOLOGICAL DATA

| Hazardous Components | % by Weight | CAS Number | Exposu OSHA PE mg/m3 | L ACG | IH TLV | Toxicity mg/Kg LC50ppm Dermal Inhal | |
|-------------------------|----------------|---------------|----------------------------|-------|--------|---------------------------------------|--|
| | | | | | | | |

1,1,1-TRICHLORO

ETHANE BUTANOL 60-100 1-5

71-55-6 78-92-2 1900 350 1910 305 100 303

15000 10000 10000 6480 NIA 16000

CARCINOGENICITY

1,1,1-Trichloroethane is not listed as a carcinogen or potential carcinogen by OSHA, NTP, ACGIH or IARC.

SECTION III - PHYSICAL DATA

APPEARANCE AND ODOR : Clear, colorless liquid with ether-like odor.

BOILING POINT : 71°C

SPECIFIC GRAVITY : 1.31

: 4.54 (Air=1)

VAPOR PRESSURE : 100mm Hg @ 20°C VAPOR DENSITY SOLUBILITY IN WATER : Negligible (800ppm w/w @ 25°C)

EVAPORATION RATE: NIA

AVOLATILE BY VOLUME : 100.00

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT : N.ap TEST METHOD : N.ap EXPLOSION LIMITS LOWER: 7.7 UPPER : 15.1

OSHA FLAMMABILITY CLASS : N.ap FLAMMABILITY INDEX (NFPA) : 0 Minimal REACTIVITY INDEX (NFPA) : 1 Slight

HEALTH HAZARD (NFPA) EXTINGUISHING MEDIA

: 2 Moderate

: Water fog (not a direct stream of water), foam,

carbon dioxide, dry chemical.

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SPECIAL FIRE FIGHTING PROCEDURES Wear protective clothing and use self-contained breathing apparatus. Use sand to contain burning material.

UNUSUAL FIRE AND EXPLOSION HAZARDS Not flammable, however vapors can form explosive mixture with air. Decomposition and combustion products will be hazardous (Hydrogen Chloride and possible traces of Phosgene).

SECTION V - HEALTH HAZARDS

ROUTE(S) OF ENTRY: Skin and / or eye contact, ingestion and inhalation. PRIME HAZARD(S) : Irritation.

EFFECTS OF EXPOSURE

Acute : Skin, eye and respiratory tract irritant. Vapors are narcotic and a central nervous system depressant. Causes dilated pupils, hypotension (low blood pressure), nausea, dizziness, disorientation and unconsciousness.

Chronic: Irritation, dryness/flaking of skin and dermatitis.

EMERGENCY AND FIRST AID PROCEDURES

Inhalation : If symptoms are experienced, move victim to fresh air. Keep affected person warm and at rest. If recovery is delayed or there are signs of distress, obtain medical attention immediately.

Eye contact: Flush eyes with water for 15 minutes. Seek medical advice if any irritation persists.

Skin contact: Immediately remove excess with a clean cloth and wash thoroughly with soap and water. If invitation or inflammation persists, seek medical advice.

: If swallowed, do not induce vomiting. Rinse mouth with water and drink plenty of water. 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 tract conditions.

SECTION VI - REACTIVITY DATA

STABILITY : Stable STABILITY CONDITIONS TO AVOID : Open flames, hot glowing surfaces or electric arcs.

INCOMPATIBILITY (MATERIALS TO AVOID CONTACT WITH) Strong oxidizing agents and bases

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

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HAZARDOUS POLYMERIZATION

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

POLYMERIZATION CONDITIONS TO AVOID N. AD

SECTION VII - SPILL AND LEAK PROCEDURES

SPILLAGE

Ventilate well and stop flow of liquid. Do not allow to enter water courses. 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.

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

: Safety glasses or goggles. EYE Eyewash striion.

MECHANICAL PROTECTIVE MEASURES

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

OTHER PROTECTIVE EQUIPMENT : N.ap

OTHER COMMENTS

: N.ap

SECTION IX - SAFE HANDLING AND STORAGE

HANDLING AND STORAGE PRECAUTIONS HANDLING

Avoid breathing vapors and contact with skin and eyes. Keep away from heat, sparks and open flames.