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

PREPARED BY : W.R.ASHCROFT DATE PREPARED : 14 JUN 1999

BELZONA INC., 2000 N.W. 88 COURT, MIAMI, FL 33172	EMERGENCY PHONE NUMBERS (Spill, Leak, Fire, Exposure or Accident) 800 424 9300 - Toll free in United States 202 483 7616 - For calls from outside the United States INFORMATION PHONE NUMBER 305 594 4994 - Working hours only

SECTION I - PRODUCT IDENTIFICATION

PRODUCT NUMBER : 1201/1002
PRODUCT NAME : Belzona® 9411
PRODUCT CLASS : Solvated hydrocarbon wax

SECTION II - HAZARDOUS INGREDIENTS/TOXICOLOGICAL DATA

Hazardous Components	% by Weight	CAS Number	Exposure Limits OSHA PEL mg/m^3	ACGIH TLV ppm	ACGIH TLV mg/m^3	Toxicity LD_{50} Oral mg/Kg	LD_{50} Dermal mg/Kg	LC_{50} Inhal ppm
1,1-Dichloro-1-fluoroethane	46.0	1717-00-6	NIA	500	NIA	NIA	NIA	240gm/m3/2Hr
Solvent naphtha (petroleum) medium aromatic	30-60	64742-88-7	525	100	525	NIA	NIA	NIA

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

SECTION III - PHYSICAL DATA

APPEARANCE AND ODOR : Milky white liquid with ether-like odor.
BOILING POINT : 32°C/89.6°F
SPECIFIC GRAVITY : 0.94
VAPOR PRESSURE : 520 mm Hg @ 20°C
VAPOR DENSITY : 4.1 (Air=1)
SOLUBILITY IN WATER : Insoluble
EVAPORATION RATE : >1 (Ether=1)
% VOLATILE BY VOLUME : 90.00

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT : N.ap
TEST METHOD : N.ap
EXPLOSION LIMITS LOWER : 7.6
UPPER : 17.7

OSHA FLAMMABILITY CLASS : N.ap
FLAMMABILITY INDEX (NFPA) : 0 Minimal
REACTIVITY INDEX (NFPA) : 1 Slight
HEALTH HAZARD (NFPA) : 2 Moderate
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. Use sand to contain burning material.

UNUSUAL FIRE AND EXPLOSION HAZARDS
Not flammable, however vapors can form explosive mixture with air. Decomposition (>250°C) and combustion products will be hazardous.

SECTION V - HEALTH HAZARDS

ROUTE(S) OF ENTRY : Skin and/or eye contact, ingestion and inhalation.
PRIME HAZARD(S) : Harmful if swallowed — may cause lung damage due to aspiration risk. Irritation. Product vapors displace air and can cause asphyxiation especially in confined spaces.

EFFECTS OF EXPOSURE
Acute : Skin, eye and respiratory tract irritant. At low concentration, inhalation of vapors may cause headache, dizziness, nausea, loss of concentration and irritation. At higher concentrations, inhalation may result in intoxication, cardiac arrhythmia etc.

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 apply moisturising cream. If irritation or inflammation persists, seek medical advice.

Ingestion : 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 immediately.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE
Skin, eye and respiratory tract conditions.

SECTION VI - REACTIVITY DATA

STABILITY : Stable but store below 30°C due to low boiling point.

STABILITY CONDITIONS TO AVOID :
Avoid sources of ignition such as sparks, hot spots, welding, flames and cigarettes. Explosions may result if in the flammable range. Non-explosive may yield toxic and/or corrosive decomposition products.

INCOMPATIBILITY (MATERIALS TO AVOID CONTACT WITH)
Strong oxidizing agents, acids and bases. Reactive metals i.e. powdered or freshly abraded aluminum, sodium, potassium, calcium, magnesium, zinc, barium and lithium shavings.

HAZARDOUS DECOMPOSITION PRODUCTS
Gaseous combinations of carbon, hydrogen, chlorine, fluorine 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
Ventilate well and stop flow of liquid. Do not allow to enter water courses. Absorb with an inert material (e.g. earth or sand). Sweep up and place into suitable labelled containers, seal and dispose of properly.

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 Nitrile. 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
: 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. Exercise caution when opening containers which, because of the low boiling point contents, may be under pressure. Keep away from heat, sparks and open flames.

STORAGE

If containers have been stored in direct sunlight or heated above the boiling point of the product, cool to below the boiling point before opening. 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.

SECTION X - REGULATORY INFORMATION

SARA TITLE III - NOTIFICATION OF TOXIC CHEMICALS

This product contains the following substance subject to the reporting requirements of section 313 of the Superfund Amendment and Reauthorization Act of 1986 (40 CFR Part 372).

CHEMICAL NAME	CAS NUMBER	CONCENTRATION
1,1-Dichloro-1-fluoroethane	1717-00-6	46.0%

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 Inc. believe such sources to be reliable, the information is provided without any warranty regarding its correctness.
Since Belzona 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 Inc. assumes no liability for injury or incidental or consequential damage arising out of the storage, handling, use or disposal of this product.