

MATERIAL SAFETY DATA SHEET		
In compliance with OSHA 29 CFR 1910.1200		
N.ap means Not Applicable NIA means No Information Available		
PREPARED BY : N.A.ROBINSON	DATE PREPARED : 17 JAN 2005	PAGE 1 OF 4
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 (Release Agent)
 PRODUCT CLASS : Solvated hydrocarbon wax

SECTION II - HAZARDOUS INGREDIENTS/TOXICOLOGICAL DATA

Hazardous Components	% by Weight	CAS Number	Exposure Limits			Toxicity		LC ₅₀ Inhal ppm
			OSHA PEL mg/m ³	ACGIH TLV (TWA) ppm	mg/m ³	LD ₅₀ Oral mg/Kg	Dermal	
trans-Dichloro-ethylene	10-30	156-60-5	NIA	200	200ppm	7536	NIA	NIA
Naphtha (petroleum), hydrodesulfurized heavy	30-60	64742-82-1	NIA	NIA	600*	>5000	NIA	NIA

* supplier's recommendation

CARCINOGENICITY

No data is available for the mixture, however none of the ingredients are listed as Carcinogens by OSHA, NTP, ACGIH or IARC. The benzene content of the hydrocarbon constituents contained within this product is significantly below the 0.1% w/w threshold and therefore, the product is not classified as a carcinogen.

SECTION III - PHYSICAL DATA

APPEARANCE AND ODOR : Milky white liquid with solvent odor.	SPECIFIC GRAVITY : 1.00
BOILING POINT : >42°C	VAPOR DENSITY : >1 (Air=1)
VAPOR PRESSURE : ~450 mm Hg @ 20°C	
SOLUBILITY IN WATER : Slight	
EVAPORATION RATE : >1 (Ether=1)	% VOLATILE BY VOLUME : 90.00

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT : Will not flash	EXPLOSION LIMITS	LOWER : 0.6
TEST METHOD : N.ap		UPPER : NIA

PRODUCT NAME : Belzona® 9411 (Release Agent)
PRODUCT NUMBER : 1201/1002
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PAGE 2 OF 4
DATE PREPARED : 17 January 2005
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OSHA FLAMMABILITY CLASS : N.ap
FLAMMABILITY INDEX (NFPA) : 2 Moderate
REACTIVITY INDEX (NFPA) : 2 Moderate
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 classified as flammable but may become flammable during use - vapors can form explosive mixtures with air. Decomposition 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.

EFFECTS OF EXPOSURE

Acute : There is no data on the product itself. Harmful: may cause lung damage if swallowed. Exposure to organic solvent vapors may result in adverse health effects such as irritation of the mucous membrane and the respiratory system and adverse effects on the renal and central nervous systems. Symptoms include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases loss of consciousness. Repeated or prolonged contact with the product may lead to removal of natural fats from the skin resulting in non-allergic contact dermatitis and absorption through the skin. Splashes in the eyes may cause irritation and reversible local damage. Ingestion may result in the following effects: sore throat, abdominal pain, drowsiness, nausea, vomiting and diarrhoea.

Chronic : There is no data on the product itself.

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.

PRODUCT NAME : Belzona® 9411 (Release Agent)
PRODUCT NUMBER : 1201/1002
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PAGE 3 OF 4
DATE PREPARED : 17 January 2005
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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.

INCOMPATIBILITY (MATERIALS TO AVOID CONTACT WITH)

Strong oxidizing agents, acids and bases.

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. Stop flow of liquid if it is safe to do so. Exclude sources of ignition and non-essential personnel. 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 PVA, Neoprene or Nitrile. 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.

PRODUCT NAME : Belzona® 9411 (Release Agent)
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PAGE 4 OF 4
DATE PREPARED : 17 January 2005
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OTHER PROTECTIVE EQUIPMENT

: Where there is a risk of contamination of footwear, safety boots should be worn and cleaned thoroughly before reuse. Cotton or cotton/synthetic overalls or coveralls are normally suitable. Grossly contaminated clothing should be removed and the skin washed with soap and water or a proprietary skin cleaner.

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. May become flammable during use. Vapors are heavier than air and may spread along floors. Prevent the creation of flammable or explosive concentrations of vapor with air.

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. 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

None of the constituents of this product is subject to reporting requirements under section 313 of the Superfund Amendment & 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 Inc. believe such sources to be reliable, the information is provided without any warranty regarding its correctness.

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