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"BOLPHANE" SHRINK FILMS

SAFETY DATA SHEET

I. CHEMICAL PRODUCT/COMPANY IDENTIFICATION

Material Identification

"BOLPHANE" is a registered trademark of BOLLORE.

Identification of the product:

BOLPHANE BZ; BLG; BFF; BRX

Supplier

MANUFACTURER/DISTRIBUTOR
BOLLORE INC.
60 LOUISA VIENS DR. P.O. BOX 530
DAYVILLE CONNECTICUT 06241

PHONE NUMBERS

Product Information : 860-774-7431
Transport Emergency : 860-774-7431
Medical Emergency : 860-774-7431

II. COMPOSITION/INFORMATION ON INGREDIENTS

Components

Material	CAS	%
POLYETHYLENE	9002-88-4	95
ADDITIVES		<5

III. HAZARDS IDENTIFICATION

SKIN: not hazardous

EYES: not hazardous

INHALATION: not a route of exposure.

No component hazardous as defined by 29 CFR 1910.1200

INGESTION: not a route of exposure. Not toxic.

Carcinogenicity Information:

None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA as a carcinogen.

IV. FIRST AID MEASURES

First Aid

INHALATION

No specific intervention is indicated as the compound is not likely to be hazardous by inhalation. Consult a physician if necessary.

The predominant gases produced during normal hot wire cutting and shrinking operations are low molecular weight hydrocarbons, carbon dioxide, carbon monoxide, water, and hydrocarbon oxidation products including organic acids, aldehydes and alcohols. The amount of each is low. BOLLORE does not believe concentrations of these gases present a hazardous work environment. Nevertheless, local ventilation is recommended.

In exceptional circumstances, in gross mis-operation of equipment or while the product is being disposed of, "BOLPHANE" shrink film may be exposed to temperatures above 617°F (325°C). In this case fumes irritating to the eyes, nose, and throat may be produced.

Exposure to these fumes may result in redness, tearing, and itching of the eyes and soreness in the nose and throat together

SKIN CONTACT

The compound is not likely to be hazardous by skin contact but cleaning the skin after use is advisable.

EYE CONTACT

This product is an inert solid. If in eye, remove as one would any foreign object.

INGESTION

First aid is normally not required.

V. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES:

FLASH POINT: not applicable

FLASH POINT METHOD: not applicable

AUTOIGNITION TEMPERATURE: not determined

UPPER FLAME LIMIT (volume % in air): Not applicable.

LOWER FLAME LIMIT (volume % in air): Not applicable.

FLAME PROPAGATION RATE (solids): Not determined.

OSHA FLAMMABILITY CLASS: Not determined

EXTINGUISHING MEDIA

Use any standard agent (Water, Foam, Dry Chemical, CO2).

UNUSUAL FIRE AND EXPLOSION HAZARDS

Thermal decomposition vapors may be toxic.

SPECIAL FIRE FIGHTING PRECAUTIONS/INSTRUCTIONS:

As in any fire, wear NIOSH/MSHA approved positive pressure self-contained breathing apparatus and full protective clothing.

VI. ACCIDENTAL RELEASE MEASURES

Land spill

Sweep up spilled material and place in suitable container for recycle or disposal.

VII. HANDLING AND STORAGE

Handling (Physical Aspects)

Can accumulate high static electric charge during handling.

Static charges can cause explosions in solvent and dust laden atmospheres.

Storage

Store in a cool, dry place. Keep containers tightly closed to prevent moisture absorption and contamination.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls

No special precaution during normal use of the product.

Use static controls. Static charges can build up and ignite dust or solvent laden atmospheres.

Ventilation Requirements: provide adequate ventilation or local exhaust to remove fumes when performing high-temperature processing such as heat sealing or hot-wire cutting.

PERSONAL PROTECTIVE EQUIPMENT:

SKIN PROTECTION: Not required

EYE PROTECTION: Not required

RESPIRATORY PROTECTION: not normally required. If smoke or fumes are generated during processing, use adequate ventilation or wear appropriate approved respiratory protection (not normally required).

OTHER PROTECTIVE: not applicable

Exposure Guidelines

Applicable Exposure Limits

POLYETHYLENE

PEL (OSHA) : None Established

TLV (ACGIH) : None Established

IX. PHYSICAL AND CHEMICAL PROPERTIES

Physical Data

Appearance : Clear translucent and odourless.
Physical State : Solid
Melting Point : 212 - 280 °F
% Volatiles : Negligible
Solubility in Water : Negligible
Specific Gravity : 0.91 - 0.94

X. STABILITY AND REACTIVITY

Chemical Stability

Stable.

Incompatibility with Other Materials

None reasonably foreseeable.

Decomposition

Decomposition temperature: 617 F (325°C)

Hazardous gases or vapors can be released, including carbon dioxide, carbon monoxide, hydrocarbon oxidation products, including, organic acids, aldehydes, alcohols.

BOLLORE INC SAFETY DATA SHEET

January 30, 2006

XI. TOXICOLOGICAL INFORMATION

Negligible hazard at ambient temperature for inhalation, skin contact, eye contact and ingestion.

XII. ECOLOGICAL INFORMATION

AQUATIC TOXICITY:

No information is available. Toxicity is expected to be low based on insolubility in water.

XIII. DISPOSAL CONSIDERATIONS

Waste Disposal

Options for disposal are recycling, incineration with energy recovery, and landfill.

Treatment, storage, transportation, and disposal must be in accordance with applicable federal, state/provincial, and local regulations.

XIV. TRANSPORTATION INFORMATION

Shipping Information

US DOT (Department of Transportation): not regulated

International Maritime Dangerous Goods (IMDG) : not regulated

Air: **ICAO** International Civil Aviation Organization, or **IIATA** (International Air Traffic Association): not regulated

XV. REGULATORY INFORMATION

Other than any material listed in section II, this product does not contain a chemical which is listed in section 313 above the minimum concentrations.

State Regulations (U.S.)

No substances on the state hazardous substances list, for the states indicated below, are used in the manufacture of products on this Material Safety Data Sheet.

Substances on the Pennsylvania hazardous substances list present at a concentration of 1% or more (0.01 % for special hazardous substances): None known.

Substances known to the state of California to cause cancer, birth defect or other reproductive harm: none known.

Substances on the New Jersey workplace hazardous substances list present at a concentration of 1% or more (0.1 % for substances identified as carcinogens, mutagens or teratogens): None known.

XVI. OTHER INFORMATION

CURRENT ISSUE DATE January 11, 2006
PREVIOUS ISSUE DATE: January 11, 2006

Responsibility for MSDS: R.TEZENAS
BOLLORE
ODET-ERGUE GABERIC
29 000 QUIMPER cedex 9 (France)
Product Information : 00 (33) 02 98 66 72 00
Established : december 10th ; 2002

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End of MSDS