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Flexible Products Company
2050 North Broadway
Joliet, Illinois 60435

Telephone / Fax (815) 774-6500 / 774-6546
For Emergency: Chemtrec (800) 424-9300 (USA)
Call Collect (703) 527-3887 (Non-USA)

MATERIAL SAFETY DATA SHEET

1 PRODUCT

INSTA-SEAL
Eco-Blend, flammable

2 COMPOSITION

CHEMICAL	CAS#	CONCENTRATION	REGULATED[1]
4,4-Diphenylmethane-diisocyanate (MDI)	101-68-8	10-30%	Yes
Polymeric MDI	9016-87-9	10-30%	Yes
Polyether Poly Blend	Mixture[2]	25-50%	No
Liquified Petroleum Gas	Mixture[2]	10-30%	Yes

(1-see regulatory section for more information)
(2-different raw material sources)
Appearance: Off white, sticky material with a mild odor.

3 HAZARDS IDENTIFICATION

HMIS: H F R PPE
2 4 1 B

CAUTION! EXTREMELY FLAMMABLE.
Contents under pressure.

Irritancy of Product: Irritating to eyes, skin and respiratory tract.

Sensitizing Properties: May cause sensitization by skin contact and inhalation. Exposure to individuals with asthma, eczema and or allergies may aggrevate existing conditions. Symptoms may include: coughing, wheezing and shortness of breath.

Routes of Entry: Eye and skin contact, inhalation, ingestion.

4 FIRST AID MEASURES

EYE flush with clean, low pressure water for 15 minutes while holding eyelids open.

SKIN remove contaminated clothing; wash skin with soap and water.

INHALATION remove to fresh air.

INGESTION in case of excessive ingestion, give large amount of liquids. Do not induce vomiting.
In all cases, seek additional medical attention.

5 FIRE-FIGHTING MEASURES

Flash Point: -156°F (-104°C) (estimated)
Extinguishing Media: Carbon Dioxide, Dry Chemical, Foam, Water
Special Protective Equipment: Self Contained Breathing Apparatus
Hazardous Decomposition Products: During combustion, Carbon Monoxide and Carbon Dioxide, Nitrogen Oxides, Ammonia and trace amounts of Hydrogen Cyanide are given off.

6 ACCIDENTAL RELEASE MEASURES

Provide adequate ventilation.
Wear suitable personal protective clothing and equipment.
Scrape up the bulk of the spill and put into a suitable waste receptacle. Avoid spreading the spill to other surfaces.

7 HANDLING AND STORAGE

Protect containers from physical abuse.
Avoid direct sunlight
Storage temperature: 32°F-90°F (0°-32°C)
DO NOT incinerate aerosol can.

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8 EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE wear safety goggles.
SKIN wear protective clothing.
RESPIRATORY use only in well-ventilated areas.
With insufficient ventilation, or in situations where the potential exists for exceeding the TLV, wear Self Contained Breathing Apparatus.

9 PHYSICAL AND CHEMICAL PROPERTIES

Vapor Pres. (21°C/70°F):	4210 mmHG
Specific Gravity:	1.05
VOC Content (g/L):	145 grams/Litre

10 STABILITY AND REACTIVITY

Stable under normal handling and use. Avoid water contamination, open flames, alcohols, strong bases acids and ammonia. Reaction may be violent at elevated temperatures.

11 TOXICOLOGICAL INFORMATION

Concentrations of components (Sec. 2) must be considered to determine effects of this mixture.
MDI: LD50 15gm/kg (rat); ingestion

CAUTION!	Contents under pressure.
Irritancy of Product:	Irritating to eyes, skin and respiratory tract.
Sensitizing Properties: (Acute and Chronic)	May cause sensitization by skin contact and inhalation. Exposure to individuals with asthma, eczema and or allergies may aggrevate existing conditions. Symptoms may include: coughing, wheezing and shortness of breath.
Routes of Entry:	Eye and skin contact, inhalation, ingestion.

12 ECOLOGICAL INFORMATION

Unknown

13 DISPOSAL INFORMATION

Do not puncture or incinerate.
Relieve all pressure prior to disposal.
Dispose of according to federal and state regulations.

14 TRANSPORTATION INFORMATION

Consumer Commodity ORM-D
Ocean: Aerosols, Class 2, UN 1950

15 REGULATORY INFORMATION

EXPOSURE LIMITS	TWA (8 hour), mg/m³	SHORT TERM(10 mins), mg/m³
4,4-Diphenylmethane-diisocyanate (MDI)	0.05 (0.005ppm)	0.2 (0.02ppm) ceiling
Propane	1800(1000ppm)	

REGULATED CHEMICAL	APPLICABLE REGULATIONS
4,4-Diphenylmethane-diisocyanate (MDI)	SARA 311/312/313, CAA 1990 Toxic Air Pollutant
Propane	MA, NJ, PA
Isobutane	MA, NJ, PA
Dimethyl Ether	MA, NJ, PA
PMDI	SARA 313

16 OTHER INFORMATION

This product is a polyurethane blend in the form of a solution in liquid containing by weight 50% or more polymer.

Prepared by: A. Jarocha
File Name: CON-129

Reference No. CON-129 (02/98)
Date of Issue 07/00

Part #'s:
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