



MATERIAL SAFETY DATA SHEET PRODUCT:
PUR FLOOR® PROTEKTOR --- Wood Flooring Urethane Adhesive Sealer

Prepared: January 23, 2007

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product: PUR FLOOR® PROTEKTOR

Chemical Family: Aromatic isocyanate

Product Use: Adhesive

Manufacturer/Supplier:

IFS Industries, Inc. 400 Orrton Avenue P.O. Box 1053 Reading, PA 19603-1053

Telephone Number: Tel : 610 378 1381 or 800 537 4502

In Emergency Only: CANUTEC Collect: (613) 996-6666 (24-hour hotline)

Information: (613) 992-4624

SECTION 2: HAZARDS IDENTIFICATION

Emergency Overview:

Forest Green-coloured, thick liquid.

Sweet odour.

Toxic by inhalation.

Harmful if swallowed

May cause eye, skin, and/or respiratory tract irritation.

Potential Health Effects:

Eyes - Irritant.

Skin - Irritant. Sensitizer. Prolonged or repeated contact can lead to severe irritation.

Inhalation - Irritant. Sensitizer. May cause nausea and/or headaches. Persons with a history of respiratory problems (i.e., asthma) should not be exposed to this product in a closed environment.

Ingestion - Will cause adverse health effects.

Chronic Effects - Prolonged or repeated inhalation of isocyanate vapors can cause lung damage. Heating of the product may release additional vapors.

SECTION 3: HAZARDOUS INGREDIENT INFORMATION

Ingredient	% (W/W)	CAS Number
Diphenylmethane diisocyanate	N/A	101-68-8

SECTION 4: FIRST AID MEASURES

Eyes: Flush open eyes with water for 15 minutes. Seek medical attention if irritation persists.

Skin: Remove affected clothing. Wash skin with soap and water immediately. Wash contaminated clothing before re-use. Seek medical attention if irritation persists.



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Inhalation: Move to fresh air. Administer oxygen if necessary. Seek medical attention.

Ingestion: Do not induce vomiting. Give at least two glasses of milk or water. Never give anything by mouth to an unconscious person. Seek medical attention immediately.

SECTION 5: FIRE FIGHTING MEASURES

Flammable Properties: Isolate from heat and open flame. Closed container may pressurize and explode when exposed to extreme heat. Material releases CO₂ on contamination with moisture, and may pressurize and explode.

Extinguishing Media: CO₂, chemical foam, dry chemical

Protection of Fire Fighters: Self contained breathing apparatus and full protective clothing should be worn by fire fighters.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use personal protective equipment as recommended in Section 8.

Environmental Precautions: Obey relevant federal, provincial and municipal laws.

Methods for Containment: Cover spill with absorbent material. Place in an open-top container and remove to a ventilated area. Allow to sit in an open container for 24 hours.

Methods for Clean-Up: Decontaminate absorbent and spill area with a solution of 8% ammonia, 2% detergent and 90% water.

SECTION 7: HANDLING AND STORAGE

General Warning to Prevent Exposure:

Do not breathe fumes or vapours. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling.

General Storage Information:

Store in tightly-sealed containers in a cool, dry area.

Keep away from moisture. Do not open containers until ready to use. Inspect containers regularly to ensure that product is not building pressure.

If containers show signs of pressurization, place a tarpaulin over the container and relieve the pressure by puncturing the lid with a long-handled spike. (Only those required for this operation should be in the area.)

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Ingredient	Exposure Limit	Unit
Diphenylmethane diisocyanate	0.005 (TLV TWA)	ppm



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Engineering Controls: Outdoor application: None required. Indoor application/enclosed areas: Use local exhaust ventilation (general mechanical) to keep vapour concentrations below TLV.

Personal Protective Equipment:

Eyes: Safety glasses with side shields, or goggles.

Skin: Chemical-resistant rubber or plastic gloves. Inhalation: NIOSH-approved organic respirator if TLV is exceeded. (Respirator not required for outdoor applications.)

Other: Impervious clothing and special safety shoes to prevent skin contact.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Thick Forest Green -colored liquid.

Odor: Sweet.

Melting Point: N/E

Boiling Point: > 392°F (200°C)

Flash Point and Method: >142°F (61°C), Open Cup

VOC

(Butyl acetate = 1)

85g/L

Upper/Lower Flammable

Limits: N/E

Vapor Pressure @ 77°F: ca. 0.00016mmHg

Vapor Density: N/E

Specific Gravity @ 77°F: 1.45

Solubility: Insoluble in water.

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability: Stable

Conditions to Avoid: Moisture, excessive heat

Incompatible Materials: Water, strong bases, alcohols.

Hazardous Decomposition Products:

Carbon dioxide and carbon monoxide will form at temperatures exceeding 500°F.

Possibility of Hazardous Reactions:

Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

Routes of Entry: Inhalation, skin, ingestion.

Acute Dose Toxicity: Inhalation, LC₅₀: 430mg/m³/4h (rats)

Repeated Dose Toxicity: N/E



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Sensitization: May cause sensitization by skin contact or by inhalation. May be an irritant to eyes, skin and/or lungs.
Carcinogenicity: N/E
Neurological Effects: N/E
Genetic Effects: N/E
Reproductive Effects: N/E
Developmental Effects: N/E
Target Organ Effects: Lungs chronic inhalation can cause respiratory distress and respiratory impairments

SECTION 12: ECOLOGICAL INFORMATION

Biodegradability Not readily biodegradable.

SECTION 13: DISPOSAL CONSIDERATIONS

Recover or recycle if possible.
Uncured product is hazardous waste. Incinerate in accordance with federal, state, and local environmental controls/regulations. Dispose of cured non-hazardous product in accordance with the same regulations.

All provided information only applies to the material as supplied to the user. The characteristics outlined may not apply if the material has been used or otherwise contaminated. It is the responsibility of the user to determine the proper waste identification and disposal methods in compliance with applicable regulations.

SECTION 14: TRANSPORT INFORMATION

NOT REGULATED FOR TRANSPORT

SECTION 15: REGULATORY INFORMATION

US Regulations: All of the components of this material appear on the Toxic Substances Control Act (TSCA) inventory. This product is not an OSHA-regulated material.

Canadian Regulations: As per WHMIS, this material is classified as D2A (Other Material Causing Very Toxic Effects). All of the components of this material appear on the Designated Substances List (DSL). This product has been classified in accordance with the hazard criteria of the *Controlled Products Regulations* and the MSDS contains all of the information required in the *Controlled Products Regulations*.

SECTION 16: Other Information

Abbreviations: N/E Not established



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