



International Polyurethane Systems (IPS)

Material Safety Data Sheet Rigid Foam RF2010/8: Part B

1. PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURER: Dinoflex Group LP
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Salmon Arm, B.C.
V1E 4S1 Canada
(250) 832- 5142

EMERGENCY CONTACT NUMBER: Canutec
(613) 996-6666

PRODUCT NAME: Rigid Foam RF2010/8 Part B Polyol

MATERIAL CODE: 3201008

SYNONYMS: None

CHEMICAL FAMILY: Polyether Polyol

PRODUCT USE: Coating

FORMULA: Not Applicable

CAS NUMBER: Contains: Polyether Polyol 9082-00-2

2. COMPOSITION / INFORMATION ON INGREDIENTS

This product is a mixture of ingredients which are not considered to be hazardous or reportable as defined by the general OSHA Hazard Communication Standard 29 CFR 1910.1200

3. HAZARDS IDENTIFICATION

HAZARD SUMMARY (OSHA) :	This product is a mixture of ingredients which are not considered to be hazardous or reportable as defined by the general OSHA Hazard Communication Standard 29 CFR 1910.1200. There are no ingredients under the Canadian WHMIS Hazardous Product Act, Controlled Product Regulations in concentrations greater than 1%. Mild skin irritation (i.e. redness, swelling) may occur if contact is repeated or prolonged. If material enters the eye, mild eye irritation may result causing eyes to become red and tear.
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ROUTES OF ENTRY: Skin, eye

MEDICAL CONDITIONS AGGRAVATED: None known

4. FIRST AID MEASURES

INHALATION:	Remove individual to fresh air. Administer oxygen or artificial respiration as needed by trained personnel.
SKIN CONTACT:	If clothing comes in contact with the product, the clothing should be removed immediately and should be laundered before re-use. Wash skin thoroughly with soap and water.
EYES:	Immediately flush eyes with plenty of water, preferably luke warm, for at least 15 minutes while holding eyelids apart. Call a physician immediately.
INGESTION:	Give 2 glasses of water and induce vomiting. Never give anything by mouth to an unconscious person. Seek medical attention immediately.

SPECIAL NOTES TO PHYSICIAN

INHALATION:	Treatment is essentially symptomatic.
SKIN CONTACT:	Treatment is essentially symptomatic.
EYES:	Treatment is essentially symptomatic.
INGESTION:	Treatment is essentially symptomatic.

5. FIRE OR EXPLOSION HAZARD

FLAMMABILITY SUMMARY:	This material supports combustion. During a fire irritating and toxic gases such as carbon monoxide may be generated by thermal decomposition or combustion.
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FLASH POINT:	> 200°C (446°F)
AUTOIGNITION TEMPERATURE:	No data
UPPER FLAMMABLE LIMIT, % IN AIR:	No data
LOWER FLAMMABLE LIMIT, % IN AIR:	No data

EXTINGUISHING MEDIA:	For large fires use an all purpose type AFFF foam as per manufacturers recommendations. For small fires use carbon dioxide or dry chemical. If only water is available, use it in the form of a fog.
FIRE FIGHTING INSTRUCTIONS:	In case of fire, use normal fire fighting equipment including a NIOSH approved self-contained breathing apparatus (SCBA). Use water to cool fire-exposed containers to minimize the risk of rupture. Do not spray fire directly. A solid stream of water directed into the hot burning liquid could cause frothing. During a fire, irritating and toxic gases such as carbon monoxide may be generated by thermal decomposition or combustion.
COMBUSTION PRODUCTS:	Hydrocarbons, ammonia organic and acidic halides, oxides of

carbon and nitrogen.
SENSITIVITY TO IMPACT: Not sensitive to mechanical impact.
SENSITIVITY TO STATIC CHARGE: Not sensitive to static charge.

6. ACCIDENTAL RELEASE MEASURES

SPILL/LEAK PROCEDURES: Cover spill with absorbent material, such as sand, sweeping compound or diatomaceous earth and collect for disposal.
PERSONAL PROTECTION: No additional protection required

7. HANDLING AND STORAGE

PRECAUTIONS: Materials are not considered hazardous under normal handling operations, but reasonable care should be exercised. Avoid skin and eye contact. Avoid breathing vapors if generated. If contamination with Diisocyanates is suspected, do not reseal containers. Employee education and training in safe handling of this product are required under WHIMIS standards.
STORAGE REQUIREMENTS: Store in a cool, dry and well ventilated place. Isolate from incompatible materials. Store in a tightly closed container to avoid contamination with water, moist air, and foreign materials.
SHELF LIFE: Six months
STORAGE TEMPERATURE: Store at 18 - 30 °C for quality reasons.
SPECIAL SENSITIVITY: Material is hydroscopic and may absorb small amounts of atmospheric moisture.

8. RECCOMENDED PERSONAL PROTECTION

RESPIRATORY PROTECTION: None required unless processing with Part A.
SKIN PROTECTION: Use gloves and protective clothing made of material which has been found by user to be impervious under conditions of use.
EYE PROTECTION: Goggles or safety glasses.
VENTILATION REQUIREMENTS: Not required when handling, but necessary when processing.
ADDITIONAL REQUIREMENTS: An eye wash and safety shower must be provided in immediate work area.
MEDICAL SURVEILLANCE: Not required

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE:	Liquid
COLOR:	Milky clear
ODOR:	Slight
ODOR THRESHOLD:	No Data
SPECIFIC GRAVITY @ 22°C:	1.02 - 1.03
VISCOSITY @ 22°C:	800 - 1000 mPa s
VAPOR DENSITY @ 22°C:	No Data
VAPOR PRESSURE:	No Data
EVAPORATION RATE:	No Data
BOILING POINT:	No Data
FREEZING POINT:	No Data
PH:	No Data
OIL/WATER DISTRIBUTION:	No Data
SOLUBILITY IN WATER:	Not Soluble; Reacts with water to produce CO ₂

10. STABILITY AND REACTIVITY

STABILITY AND REACTIVITY SUMMARY:	Stable material. Not sensitive to mechanical shock or to static discharge.
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HAZARDOUS POLYMERIZATION:	Will not occur.
CONDITIONS TO AVOID:	None
CHEMICAL INCOMPATIBILITY:	Oxidizing materials, isocyanates.
DECOMPOSITION PRODUCTS:	Carbon dioxide, carbon monoxide
DECOMPOSITION TEMPERATURE:	No data

11. TOXICOLOGICAL INFORMATION

REPRODUCTIVE TOXICITY:	Not known or reported to cause reproductive or developmental toxicity.
TERATOGENICITY:	Not known or reported to be teratogenic.
MUTAGENICITY:	Not known or reported to be mutagenic.
CARCINOGENICITY:	This chemical is not known or reported to be

carcinogenic by any reference source including IARC, OSHA, NTP, or ACGIH.

EMBRYOTOXICITY: Not known or reported to be embryotoxic.

IMMEDIATE (ACUTE) HEALTH EFFECTS

INHALATION: Materials have low volatility and therefore are not likely to cause a problem from inhalation

SKIN CONTACT: Not likely to be absorbed in toxic amounts, however, skin contact is to be avoided.

EYES: May cause minor irritation but no corneal injury.

INGESTION: Not likely route of entry, no cases reported.

PROLONGED (CHRONIC) HEALTH EFFECTS

INHALATION: None reported

SKIN CONTACT: None reported

EYES: None reported

INGESTION: None reported

12. DISPOSAL CONSIDERATIONS

CARE MUST BE TAKEN TO PREVENT ENVIRONMENTAL CONTAMINATION FROM THE USE OF THIS MATERIAL. THE USER OF THIS MATERIAL HAS THE RESPONSIBILITY TO DISPOSE OF UNUSED MATERIAL, RESIDUES AND CONTAINERS IN COMPLIANCE WITH ALL RELEVANT LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS REGARDING TREATMENT, STORAGE AND DISPOSAL FOR HAZARDOUS AND NONHAZARDOUS WASTES.

WASTE CLASSIFICATION: If this product becomes a waste, it DOES NOT meet the criteria of a hazardous waste as defined under 40 CFR 261.

DISPOSAL METHODS: As a non-hazardous waste, it should be disposed of in accordance with local, state and federal regulations. Empty containers should be decontaminated and either passed to an approved drum recycler or destroyed.

13. TRANSPORT INFORMATION

LAND (DOT): Not Regulated

AIR (IATA/ICAO): Not Regulated

WATER (IMO): Not Regulated

CANADIAN TRANSPORTATION OF DANGEROUS GOODS (TDG): Not Regulated

CANADAIAN DOMESTIC SUBSTANCES LIST (CEPA/DSL): Substance is on the list

14. REGULATORY INFORMATION

WHMIS CLASSIFICATION: D-2B: Irritant
OSHA CLASSIFICATION: Health: Not Regulated
Physical: Not Regulated

15. OTHER INFORMATION

MSDS PREPERATION DATE: July, 1995
PREPARED BY: Don Campagnolo
MAJOR REFERENCES: ARCH Chemical, Albemarle, Huntsman Chemical.
MSDS REVISION DATE: December, 2010
REVISED BY: Marci Hyatt
SECTION(S) REVISED: Format

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