



Material Safety Data Sheet Casting Resin CST101/3: Part B

International Polyurethane Systems (IPS)

1. PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURER: Dinoflex Group LP
P.O. Box 3309, 5590 - 46th Ave. SE
Salmon Arm, B.C.
V1E 4S1 Canada
(250) 832- 5142

EMERGENCY CONTACT NUMBER: Canutec
(613) 996-6666

PRODUCT NAME: Casting Resin CST101/3 Part B Polyol

MATERIAL CODE: 310103

SYNONYMS: None

CHEMICAL FAMILY: Polyether Polyol

PRODUCT USE: Coating

FORMULA: Not Applicable

CAS NUMBER: Mixture of: Glycol 000111-46-6,
Polyether Polyol 9082-00-2

2. COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS	CAS #	% Range
Dibutyltin Dilaurate	77-58-7	~ 0.1 - 0.8
Triethylenediamine (TEDA)	280-57-9	~ 0.01 - 0.2

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.
--------------------------------	---

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.
------------------------------	---

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

MEDICAL SURVEILLANCE: work area.
Not required

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid
COLOR: Milky off white
ODOR: Slight
ODOR THRESHOLD: No Data
SPECIFIC GRAVITY @ 22°C: 1.02 - 1.05
VISCOSITY @ 22°C: 1200 - 1500 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 CO₂

10. STABILITY AND REACTIVITY

STABILITY AND REACTIVITY SUMMARY:	Stable material. Not sensitive to mechanical shock or to static discharge.
--	---

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

THIS MATERIAL SAFETY DATA SHEET (MSDS) HAS BEEN PREPARED IN COMPLIANCE WITH THE FEDERAL OSHA HAZARD COMMUNICATION STANDARD, 29 CFR 1910.1200. THE INFORMATION IN THIS MSDS SHOULD BE PROVIDED TO ALL WHO WILL USE, HANDLE, STORE, TRANSPORT, OR OTHERWISE BE EXPOSED TO THIS PRODUCT. THIS INFORMATION HAS BEEN PREPARED FOR THE GUIDANCE OF PLANT ENGINEERING, OPERATIONS AND MANAGEMENT AND FOR PERSONS WORKING WITH OR HANDLING THIS PRODUCT. INTERNATIONAL POLYURETHANE SYSTEMS INC. BELIEVES THIS INFORMATION TO BE RELIABLE AND UP TO DATE AS OF THE DATE OF PUBLICATION BUT, MAKES NO WARRANTY THAT IT IS. ADDITIONALLY, IF THIS MSDS IS MORE THAN THREE YEARS OLD, YOU SHOULD CONTACT INTERNATIONAL POLYURETHANE SYSTEMS INC. AT THE PHONE NUMBER ON THE FRONT PAGE TO MAKE CERTAIN THAT THIS DOCUMENT IS CURRENT.

The information enclosed is given without warranty, representation, or license of any kind, except that this information is accurate to the best of our knowledge, or is obtained from sources believed by IPS to be accurate. No warranty is expressed or implied regarding the accuracy of this information, or the results to be obtained from its use. IPS does not assume any responsibility for injuries caused by the use of the material if reasonable safety procedures are not followed as stipulated in this Data Sheet. Additionally, IPS does not assume any responsibility for injuries caused by abnormal use of the material even if reasonable safety procedures are followed. Buyer assumes the risk in its use of the material.