



**Material Safety Data Sheet**  
 May be used to comply with  
 OSHA's Hazard Communication Standard,  
 29 CFR 1910.1200. Standard must be  
 consulted for specific requirements.

**U.S. Department of Labor**  
 Occupational Safety and Health Administration  
 (Non-Mandatory Form)  
 Form Approved  
 OMB No. 1218-0072

IDENTITY (As Used on Label and List) **DURA-KRYL 102** Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

**Section I**

Manufacturer's Name <b>Coating Development Group Inc.</b>	Emergency Telephone Number <b>(215) 426-6216</b>
Address (Number, Street, City, State, and ZIP Code) <b>Shiller &amp; Allen St.,</b>	Telephone Number for Information <b>(215) 426-6216</b>
<b>Philadelphia, Pa. 19134</b>	Date Prepared <b>2/12/90</b>
	Signature of Preparer (optional)

**Section II - Hazardous Ingredients/Identity Information**

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	%VOL. % (optional)	%WT.
<b>Tripolyethylene Glycol Diacrylate</b> : 68901-05-3	N/A	N/A		14.2	13.6
<b>Polyethylene Glycol Diacrylate</b> : 26570-48-9	N/A	N/A		6.6	6.8
<b>Dipentaerythritol Hydroxypenta</b> : 60506-81-2	N/A	N/A		2.5	2.8
<b>TM Propene Polyoxyethylene</b> : 28961-43-5	N/A	N/A		11.4	10.5
<b>Resin/Monomer Blend</b> : ----	N/A	N/A		48.3	48.7

**Section III - Physical/Chemical Characteristics**

Boiling Point N/A	Specific Gravity (H <sub>2</sub> O = 1) 1.083	
Vapor Pressure (mm Hg) N/A	Melting Point N/A	
Vapor Density (AIR = 1) N/A	Evaporation Rate (Butyl Acetate = 1) Slower	
Solubility in Water less than 0.1 %		
Appearance and Odor		

**Section IV - Fire and Explosion Hazard Data**

Flash Point (Method Used) 200-250 deg.F SETA Flash	Flammable Limits N/A	LEL	UEL
Extinguishing Media Foam-Water fog-Dry chemical-CO2			
Special Fire Fighting Procedures Wear self contained breathing apparatus and protective clothing			
Unusual Fire and Explosion Hazards Closed containers may explode			

Section V — Reactivity Data			
Stability	Unstable		Conditions to Avoid Extreme heat, extreme cold, exposure to light, open flames or sparks and extreme wetness.
	Stable	X	
Incompatibility (Materials to Avoid) Isocyanate, Hydrogen peroxide			
Hazardous Decomposition or Byproducts Oxides of carbon, Acrid smoke			
Hazardous Polymerization	May Occur	X	Conditions to Avoid Extreme heat
	Will Not Occur		
Section VI — Health Hazard Data			
Route(s) of Entry:	Inhalation? X	Skin? X	Ingestion? X
Health Hazards (Acute and Chronic)			
Inhalation--Acute			
Skin contact--Acute			
Ingestion--Chronic			
Carcinogenicity:	N/A	NTP?	IARC Monographs? OSHA Regulated?
Signs and Symptoms of Exposure			
Vomiting if ingested			
Dermatitis from skin contact			
Medical Conditions Generally Aggravated by Exposure			
Dizziness or rash			
Emergency and First Aid Procedures			
Move to fresh air if overcome by vapor, call physician. If skin contact, wash with mild soap and water. If swallowed DO NOT induce vomiting, call physician.			
Section VII — Precautions for Safe Handling and Use			
Steps to Be Taken in Case Material is Released or Spilled			
Absorb with sand and dispose of in approved manner.			
Remove all sources of ignition. Wear protective equipment.			
Waste Disposal Method			
Dispose of in accordance with local, county, state, and federal regulations			
Precautions to Be Taken in Handling and Storing			
Avoid extreme heat and extreme cold. Keep container closed.			
Other Precautions			
Check for leaks. Change clothing and wash hands thoroughly before eating, drinking or smoking.			
Section VIII — Control Measures			
Respiratory Protection (Specify Type)			
NONE			
Ventilation	Local Exhaust	Normal air movement	Special
	Mechanical (General)		Other
Protective Gloves	Impervious to solvents		Eye Protection
Other Protective Clothing or Equipment	Eye wash station		Safety goggles
Work/Hygiene Practices			
Wear safety equipment avoid skin contact. Wash thoroughly.			

## Section V—Health Hazard Data

THRESHOLD LIMIT VALUE: See Section II

### EFFECTS OF OVEREXPOSURE:

**INGESTION:** Gastro-intestinal distress including nausea, vomiting, and diarrhea. Aspiration of material into lungs can cause chemical pneumonitis which can be fatal.

**INHALATION:** May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: Headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged occupational overexposure to solvent with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

**EYES:** May cause severe irritation, redness, tearing, blurred vision.

**SKIN:** Prolonged or repeated contact can cause moderate irritation, defatting, dermatitis.

### EMERGENCY FIRST AID PROCEDURES:

**INHALATION:** Remove to fresh air. Restore breathing. Treat symptomatically. Consult a physician.

**SPLASH (EYES):** Flush immediately with large amounts of water for at least 15 minutes. Take to a physician for medical treatment.

**SPLASH (SKIN):** Wash affected areas with soap and water. Remove contaminated clothing. Consult a physician if irritation persists.

**INGESTION:** Do not induce vomiting. Consult physician or poison control center immediately. Treat symptomatically.

## Section VI—Reactivity Data

**STABILITY:**  Unstable  Stable **CONDITIONS TO AVOID**

**INCOMPATIBILITY:** (Materials to avoid)—Unknown

**HAZARDOUS DECOMPOSITION PRODUCTS:** May produce noxious fumes when heated to decomposition, as in welding. Fumes may contain CO, Nitrogen Oxides.

**HAZARDOUS POLYMERIZATION:**  May Occur  Will Not Occur

## Section VII—Spill or Leak Procedures

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Remove sources of ignition and provide ventilation. Large spills may be scooped up with nonsparking tools. Provide respiratory protection if required. Small quantities may be picked up with absorbent material. See disposal precautions below.

**WASTE DISPOSAL METHODS:** Place in closed containers. See other precautions below. Incinerate (first open closed containers) or use secure landfill in accordance with local, state, and federal regulations.

## Section VIII—Special Protection Information

**RESPIRATORY PROTECTION:** Provide adequate ventilation. If TVL of the product is exceeded, a NIOSH/MSHA jointly approved self-contained breathing apparatus with a full facepiece operated in pressure demand or other positive pressure mode is advised.

**VENTILATION:** Provide sufficient mechanical and/or local exhaust ventilation to maintain exposure below TVL.

**PROTECTIVE GLOVES:** Wear resistant gloves such as Buna-N (nitrile rubber).

**EYE PROTECTION:** Chemical splash goggles in compliance with OSHA regulations are advised.

**OTHER PROTECTIVE EQUIPMENT:** To prevent prolonged skin contact, wear impervious clothing and boots. Eyewash facility, emergency shower.

## Section IX—Special Precautions

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:** Closed containers may explode when exposed to extreme heat. Store away from high temperatures, sparks and flames. Avoid prolonged skin contact. Do not breath spray mist.

**OTHER PRECAUTIONS:** Ground containers while pouring and limit free fall to a few inches to prevent static sparks. Avoid spontaneous combustion of contaminated rags and other easily ignitable organic accumulations (such as spray booth residues) by immediate immersion in water. Emptied containers may retain hazardous properties. Do not cut, puncture or weld on or near the container. Store large quantities only in buildings designed to comply with OSHA 1910.106.

COATING DEVELOPMENT GROUP, INC. believes that the information contained in this MSDS is correct as of this date. However, because the material may be used under conditions over which COATING DEVELOPMENT GROUP, INC. has no control or in ways we cannot anticipate, we give no warranty expressed or implied, as to the accuracy of the information and assume no responsibility for any damage to person, property, or business arising from such use. Moreover, it is the responsibility of the purchaser or user of this material to ensure that it is properly and safely used.