

MATERIAL SAFETY DATA SHEET

SECTION I – PRODUCT ID: PL40

Product Identifier

Polymeric, uncured rubber compound based on proprietary compound developed for the customer

SECTION II – HAZARDOUS INGREDIENTS

Chemical Identity	Concentration	CAS#	LD50	LC50
FLEXZONE 4L	0.1 – 2	3081-14-9	>800 mg/kg oral(rat)	Not available
ZINC OXIDE	2-5	1314-13-2	7950MG/kg oral(mouse)	2500mg/m3(mouse) inh
FLEXZONE 3C	2-5	101-72-4	510mg/kg (rat) oral	Not available

SECTION III – PHYSICAL DATA

Physical State: Solid **Odor & Appearance:** Rubbery solid; characteristic odor **Odor Threshold:** N/A
Freezing Point (c): N/A **Co-efficient of Water/Oil Distribution:** N/A **Vapor Pressure:** N/A
Boiling Point (c): N/A **Specific Gravity (water=1):** 1.00 **PH:** N/A **Vapor Density:** N/A
Evaporation Rate (BuAe=1): N/A **Percent Volatile (by volume):** N/A

SECTION IV – FIRE EXPLOSION HAZARD

Condition of Flammability: Yes, at temperatures greater than 240 (c)
Means of Extinction: Water/Water Spray/CO2/ABC dry chemical/protein type of foam
Explosion Data
Sensitivity to Mechanical Impact: None **Sensitivity to Static Discharge:** None
Flashpoint (c) & Method: None **Upper Flammable Limit %:** N/A **Lower Flammable Limit %:** N/A
Autoignition Temperature (c): >240 c
Hazardous Combustion Products: Normal organic combustion products: CO2, CO, carbon, water

SECTION V – REACTIVITY DATA

Stability: Stable
Incompatible Materials: None Known
Conditions of Reactivity: Excessive heat, over 240 C
Hazardous Decomposition Products: Normal organic combustion products, CO2, CO, water

SECTION VI – TOXICOLOGICAL PROPERTIES

Route of Entry

Skin Contact Skin Absorption Eye Contact Inhalation Ingestion

Effects of Acute Exposure to Product: None Known

Effects of Chronic Exposure to Product: Product is solid & ingredients are bound in a polymeric matrix at ambient temperature, therefore risk from overexposure is limited.

Exposure Limits: None Known **Irritancy to Product:** Skin Irritant **Synergistic Products:** None Known
Sensitivity to Product: May cause sensitization by skin contact

Evidence of Carcinogenicity, Reproductive Toxicity, Teratogenicity or Mutagenicity:

Use at processing and/or curing temperatures may produce fumes or vapors. Because of the chemical reactions taking place during rubber processing, new chemical species may be generated which present different toxicity hazards from the raw materials themselves. Epidemiological studies suggest that exposure to rubber fumes may be a significant factor in the observed increased evidence in certain types of cancer and also in the causation of some other diseases.

SECTION VII – PREVENTATIVE MEASURES

Personal Protective Equipment: Use appropriate device to avoid fumes or skin contact during elevated temperature processing operations

Gloves: Yes, cotton gloves

Respiratory: If ventilation is inadequate - NIOSH approved respirator

Eye: Yes, safety glasses

Footwear: No

Other Equipment: During emergency conditions thermal decomposition products may present a health hazard. An approved self-contained breathing apparatus should be worn.

Engineering Control: Use adequate ventilation, local exhaust.

Leak and Spill Procedure: Reuse material

Waste Disposal: Dispose of in accordance with Local, Provincial & Federal Regulations

Handling Procedures & Equipment: Wear gloves, used good personal hygiene after handling

Storage Requirement: Store in cool, dry place (below 21 C)

Special Shipping Information: Keep trailer cool (below 38 C)

SECTION VIII – FIRST AID MEASURES

Inhalation: Remove to fresh air when exposed to excessive fumes

Ingestion: Seek professional medical help if ingested

Eye Contact: Flush affected area with plenty of water

Skin Contact: Flush affected area with plenty of water and remove contaminated clothing

SOURCES USED

“Toxic Hazards of Chemicals” - A.R. Nutt

“Toxicity & Safe Handling of Rubber Chemicals” – Third Edition B.R.M.A.