

MATERIAL SAFETY DATA SHEET**QUICK IDENTIFIER (In Plant Common Name)**

Dura-Skrim R20DD R20DDK R20DDV

Manufacturer's Name RAVEN INDUSTRIES INC.
Address P.O. Box 5107
 Sioux Falls, SD 57117

Emergency Telephone Numbers 800-635-3456
 605-335-0174
Other Information 1813 "E" Avenue
 Sioux Falls, SD 57104

Signature of Person Responsible for Preparation 

Date Prepared May 14, 2010

Section 1 - IDENTITY

Common Name: (Used on Label) Dura-Skrim R20DD
(Trade Name Synonyms)
Chemical Name Copolymer of Ethylene and Octene-1 film 95% Polyester fiber 5%
Formula (CH₂ - CH₂)_n

CAS Number(s) 26221-73-8 13463-67-7 1333-86-4
 25038-59-9 1317-65-3 112926-00-8
Chemical Family Polyolefin Titanium Dioxide
 Polyester Carbon Black

Section 2 - HAZARDOUS INGREDIENTS

Principal Hazardous Component(s) - Chemical and Common Name % Threshold Limit Value (units)
 This material is not considered hazardous by OSHA (29CFR 1910.1200)

Section 3 - PHYSICAL & CHEMICAL CHARACTERISTICS (Fire & Explosion Data)

Boiling Point Not Applicable (N/A) **Specific Gravity** N/A **Vapor Pressure, mmHg** N/A
Percent Volatile by Volume (%) N/A **Vapor Density** N/A **Evaporation Rate** N/A
Solubility in Water Insoluble in Water **Reactivity in Water** N/A
Appearance and Odor Gray, odorless reinforced plastic film.
Flash Point N/A **Flammability Limits in Air, by Volume (%)** Lower N/A Upper N/A **Auto Ignition Temperature** >660°F (estimate based upon raw material AIT)
Extinguisher Media Use water spray, dry chemical
Special Fire Fighting Proced. Fire fighters should wear a self-contained breathing apparatus when there is a possibility of exposure to smoke, fumes or hazardous decomposition products. If possible, water should be applied as a spray from a fogging nozzle since this material is a surface burning material.
Unusual Fire and Explosion Hazards None Known

Section 4 - PHYSICAL HAZARDS

Stability	Unstable	Conditions to Avoid	Temperatures over 570°F may release combustible gases.
	Stable		

Incompatibility (Materials to Avoid) none known

Hazardous Decomposition Products Combustion will produce CO₂, CO and organic vapors

Hazardous Polymerization	May Occur	Conditions to Avoid	N/A
	Will not Occur		

Section 5 - HEALTH HAZARDS**Threshold** N/A**Limit Value****Signs and Symptoms of Exposure**

1. Acute	N/A	2. Chronic	Not Determined
Overexposure		Overexposure	

Medical Conditions Generally There are no known medical conditions aggravated by exposure to this product.**Aggravated by Exposure**

Chemical Listed as Carcinogen	National Toxicology	Not	L.A.R.C.	Not	OSHA	Not
or Potential Carcinogen	Program	Listed	Monographs	Listed		Listed

OSHA Permissible	None	ACGIH Threshold	None	Other Expos.	None
Exposure Limit		Limit Value		Limit Used	

Emergency and Most problems will result from exposure to molten materials.**First Aid Procedures****1. Inhalation** Immediately remove victim from area to fresh air. Seek medical attention.**2. Eyes** If contacted by molten material, immediately flush eyes with plenty of cool water for at least 15 minutes. Do not permit victim to rub eyes. Immediately seek medical attention.**3. Skin** If contact by molten material, cool immediately with cool water. Do not attempt to remove any solidified material. Immediately seek medical attention.**4. Ingestion** N/A**Section 6 - SPECIAL PROTECTION INFORMATION****Respiratory Protection****(Specify Type)** N/A

Ventilation	Local Exhaust	Mechanical (General)	Special	Other
N/A	N/A	N/A	N/A	N/A

Protective	During thermal processing	Eye	During thermal processing
Gloves		Protection	

Other Protective N/A**Clothing or Equipment****Section 7 - SPECIAL PRECAUTIONS AND SPILL / LEAK PROCEDURES****Precautions to be Taken****in Handling and Storage** This product should be stored in a manner that they are not exposed to heat and sources of ignition. A static charge may be present on finished products.**Other**
Precautions None**Steps to be Taken in Case** None**Material is Released or Spilled****Waste Disposal****Methods** Dispose in accordance with local, state and federal regulations**IMPORTANT - Do not leave blank spaces. If information is unavailable, unknown or does not apply, so indicate**