

# MATERIAL SAFETY DATA SHEET

POLYGUARD PRODUCTS, INC.

ESSENTIALLY SIMILAR TO  
OSHA FORM - 174

<b>Manufacturer's Name</b> POLYGUARD PRODUCTS, INC.		<b>TELEPHONE NUMBER</b> (972) 875-8421		<b>N F P A *** FIRE HAZARDS IDENTIFICATION SYSTEM</b>	
<b>Address:</b> P.O. Box 755, Ennis Texas, 75120		<b>Date</b> 5/18/05			
<b>FOR EMERGENCY ASSISTANCE CALL</b> POLYGUARD - (800) 541-4994 (DAY) OR CHEMTREC - (800) 424-9300 (24 HOURS)					
<b>Trade Name &amp; Synonyms -</b> TOTAL FLOW, FLOW 15-P, FLOW 18-H, and FLOW 10-P, FLOW 30-H					
<b>Chemical Name or Composition -</b> Mixture		<b>Chemical Family -</b> Hydrocarbon		<b>Formula -</b> Mixture	

## SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	CAS NUMBER	OSHA PERMISSIBLE EXPOSURE LIMIT	AGCIH - THRESHOLD LIMIT VALUES	IS PRODUCT LISTED IN NATIONAL TOXICOLOGY PROGRAM (NTP) ANNUAL REPORT ON CARCINOGENS?	IF PRODUCT HAS BEEN EVALUATED BY THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC), DESCRIBE RESULTS.	HAS PRODUCT BEEN FOUND TO BE A POTENTIAL CARCINOGEN BY OSHA?	% BY WGT.
Polyethylene	9002-88-4	NA	NA	NO	LISTED AS GROUP 3 (See A)	NO	75%
Polypropylene	9003-07-0	NA	NA	NO	LISTED AS GROUP 3 (See A)	NO	25%

\*\*\* NFPA 49 - Hazardous Chemical Data

\*\*\*\* This chemical is subject to the reporting requirements of Section 313 of SARA Title III

- A. IARC definitions:
- GROUP 1: *Carcinogenic to humans*
  - GROUP 2A: *Probably carcinogenic to humans*
  - GROUP 2B: *Possibly carcinogenic to humans*
  - GROUP 3: *Not classifiable as to carcinogenic or non carcinogenic to humans*
  - GROUP 4: *Probably not carcinogenic to humans*

## SECTION III - PHYSICAL DATA

<b>APPEARANCE AND ODOR:</b> Black Film			
<b>BOILING POINT (°F)</b>	>600° f	<b>SPECIFIC GRAVITY (H<sub>2</sub>O = 1)</b>	1.09
<b>VAPOR PRESSURE (mm Hg)</b>	N/D	<b>PERCENT, VOLATILE BY VOLUME (%)</b>	N/D
<b>VAPOR DENSITY (AIR = 1)</b>	N/D	<b>EVAPORATION RATE (ETHER = 1)</b>	N/D
<b>SOLUBILITY IN WATER</b>	< .01	<b>VOC g/L</b>	0

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

<b>EXTINGUISHING MEDIA</b> CO <sub>2</sub> , Water, Foam	<b>FLASH POINT (Method used)</b> >525° F COC	<b>FLAMMABLE LIMITS</b>	<b>LEL</b> N/D <b>UEL</b> N/D
<b>SPECIAL FIRE FIGHTING PROCEDURES</b> - Wear self-contained breathing apparatus when fighting fires.			
<b>UNUSUAL FIRE AND EXPLOSION HAZARDS</b> - N/D			

## SECTION V - REACTIVITY DATA

<b>STABILITY</b>	<b>UNSTABLE</b>		<b>CONDITIONS TO AVOID</b> None						
	<b>STABLE</b>	X							
<b>INCOMPATIBILITY (Materials to Avoid) - N/D</b>									
<b>HAZARDOUS DECOMPOSITION OR BYPRODUCTS - CO, CO<sub>2</sub>, Smoke</b>			<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;"><b>HAZARDOUS POLYMERIZATION</b></td> <td style="width: 50%; text-align: center;"><b>MAY OCCUR</b></td> </tr> <tr> <td></td> <td style="text-align: center;"><b>WILL NOT OCCUR</b></td> </tr> <tr> <td></td> <td style="text-align: center;">X</td> </tr> </table>	<b>HAZARDOUS POLYMERIZATION</b>	<b>MAY OCCUR</b>		<b>WILL NOT OCCUR</b>		X
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	X								

## SECTION VI - HEALTH HAZARD DATA

<b>CONDITIONS TO AVOID -</b> Excessive temperatures over 150°F	<b>ROUTES OF ENTRY - INHALATION ( )</b> (Note: <i>Inhalation entry could occur if product is heated to a molten state.</i> )	<b>SKIN (X)</b>	<b>INGESTION ( )</b>
<b>HEALTH HAZARD (Acute Over Exposure) -</b> SKIN - N/A			
<b>HEALTH HAZARD (Chronic Over Exposure)-</b> SKIN - N/A			
<b>EMERGENCY AND FIRST AID PROCEDURES -</b> SKIN - Wash area of contact thoroughly with soap and water.			

## SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

<b>STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED - N/D</b>
<b>WASTE DISPOSAL METHOD -</b> Dispose in accordance with Local, State and Federal regulations.
<b>PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING -</b> Store in a dry, ventilated area away from heat. Do not reuse containers for any other products. Do not store in temperature exceeding 120°F.
<b>OTHER PRECAUTIONS - N/D</b>

## SECTION VIII - CONTROL MEASURES

<b>RESPIRATORY PROTECTION - N/D</b>
<b>VENTILATION -</b> LOCAL EXHAUST - N/D MECHANICAL - N/D
<b>PROTECTIVE GLOVES -</b> Wear impervious gloves.
<b>EYE PROTECTION - N/D</b>
<b>OTHER PROTECTIVE EQUIPMENT - N/D</b>
<b>WORK - HYGIENIC PRACTICES -</b> Maintain good personal hygiene.