

# MATERIAL SAFETY DATA SHEET

EFFECTIVE DATE	May 7, 1996
REVISED DATE	September 13, 2011
TRADE NAME	ABS
CHEMICAL FAMILY	Cycolac Resin
CHEMICAL FORMUA	Acrylonitrile-butadiene-styrene terpolymer
<b>SECTION II - HAZARDOUS INGREDIENTS</b>	
HAZARDOUS COMPONENTS	Styrene
<b>SECTION III - PHYSICAL DATA</b>	
BOILING POINT (F)	N/A
FREEZING POINT (F)	
VOLATILITY / VOLUME (%)	
MELTING POINT	softens gradually over a wide temperature range
VAPOR PRESSURE (mmHg)	Negligible
VAPOR DENSITY (Air=1)	N/A
SOLUBILITY IN H <sub>2</sub> O	Insoluble
APPEARANCE / ODOR	Solid with slight odor
SPECIFIC GRAVITY (H <sub>2</sub> O=1)	>1
ACIDITY	
<b>SECTION IV- FIRE AND EXPLOSION HAZARD DATA</b>	
FLASH POINT	N/A
LOWER FLAME POINT	N/A
HIGHER FLAME POINT	N/A
EXTINGUISH MEDIA FOR FIRE	Water Spray Approved pressure demand breathing apparatus and protective clothing should be used.
UNUSUAL FIRE HAZARD	
<b>SECTION V- HEALTH HAZARD DATA</b>	
HEALTH HAZARD	
THRESHOLD LIMIT VALUE OVER EXPOSURE EFFECTS	
<b>SECTION VI - REACTIVITY DATA</b>	
CHEMICAL STABILITY	Stable
CONDITIONS TO AVOID	Do not exceed melt temperature



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<b>SECTION VI - REACTIVITY DATA - CONTINUED</b>	
INCOMPATIBLE MATERIALS	
DECOMPOSITION PRODUCTS	Processing fumes evolved may include trace levels of styrene, acrylonitrile, acrolein, acetaldehyde, acetophenone, ethylbenzene, cumene 4-finylcyclohexene and phenols
HAZARDOUS POLYMERIZATIONS	
POLYMERIZATION AVOID	
<b>SECTION VII - SPILL OR LEAK PROCEDURE</b>	
FOR SPILL	Sweep or gather up material and place in proper container for disposal
WASTE DISPOSAL METHOD	Recycling, landfill or incinerate in accordance with federal, state and local requirements
<b>SPECIAL VIII - SPECIAL PROTECTION</b>	
RESPIRATORY PROTECTION	
VENTILATION	
PROTECTIVE GLOVES	
EYE PROTECTION	
OTHER PROTECTIVE EQUIPMENT	
HANDLING AND STORAGE	Store in a dry place away from moisture, excessive heat and sources of ignition
<b>SECTION IX - SPECIAL PRECAUTIONS</b>	
HAZARD CLASS	
DOT SHIPPING NAME	
REPORTABLE QUANTITY (RQ)	
UN NUMBER NA#	
NA#	
PACKAGING SIZE	

**Notes:**

All information recommendations and suggestions appearing herein concerning this product are based upon data obtained from the manufacturer and/or recognized technical sources. It is the user's responsibility to determine the Safety, Toxicity and suitability of his/her own use, handling and disposal request. Since actual use by others is beyond our control, no warranty, expresses or implied, is made by Polymer Plastics Company L.C. as to effects of such use. The results to be obtained or the safety and toxicity of the product, nor does Polymer Plastics Company L.C. assume any liability arising out of use by others of the product referred to herein. The data in this MSDS relate only to the specific material designated herein and do not relate to use in combination with any other material or in any other process.

**REFERENCES:** N/A = Not Applicable, N/D = Not Determined, N.D.A. = No Date Available



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