

# MATERIAL SAFETY DATA SHEET

## ABS

EFFECTIVE DATE	May 7, 1996
REVISED DATE	September 13, 2011
TRADE NAME	ABS
CHEMICAL FAMILY	Cycolac Resin
CHEMICAL FORMUA	Acrylonitrile-butadiene-styrene terpolymer

### SECTION II - HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENTS	Styrene
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### SECTION III - PHYSICAL DATA

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 H2O	Insoluble
APPEARANCE / ODOR	Solid with slight odor
SPECIFIC GRAVITY (H2O=1)	>1
ACIDITY	

### SECTION IV- FIRE AND EXPLOSION HAZARD DATA

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	
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### SECTION V- HEALTH HAZARD DATA

HEALTH HAZARD	
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THRESHOLD LIMIT VALUE OVER EXPOSURE EFFECTS	
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### SECTION VI - REACTIVITY DATA

CHEMICAL STABILITY	Stable
CONDITIONS TO AVOID	Do not exceed melt temperature



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### SECTION VI - REACTIVITY DATA - CONTINUED

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

### SECTION VII - SPILL OR LEAK PROCEDURE

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

### SPECIAL VIII - SPECIAL PROTECTION

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

### SECTION IX - SPECIAL PRECAUTIONS

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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