

TORGINOL INC -- GRAY 36320 "A" -- 8010-01-419-1140

===== Product Identification =====

Product ID:GRAY 36320 "A"  
MSDS Date:01/20/1995  
FSC:8010  
NIIN:01-419-1140  
Status Code:A  
MSDS Number: CLLPD  
=== Responsible Party ===  
Company Name:TORGINOL INC  
Address:710 FOREST AVE  
Box:102  
City:SHEBOYGAN FALLS  
State:WI  
ZIP:53085-0102  
Country:US  
Info Phone Num:920-467-2471  
Emergency Phone Num:1-800-688-4005  
Prepar  
er's Name:ERNEST CARTER  
Chemtrec Ind/Phone:(800)424-9300  
CAGE:33961  
=== Contractor Identification ===  
Company Name:TORGINOL INC  
Address:710 FOREST AVE  
Box:102  
City:SHEBOYGAN FALLS  
State:WI  
ZIP:53085-0102  
Country:US  
Phone:920-467-2471  
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===== Composition/Information on Ingredients =====

Ingred Name:BISPHENOL A-EPICHLOROHYDRIN EPOXY RESIN  
CAS:25068-38-6  
RTECS #:CE6880000

Ingred Name:XYLENE  
CAS:1330-20-7  
RTECS #:ZE2100000  
= Wt:9.  
ACGIH TLV:434 MG/M3;100 PPM  
ACGIH STEL:

651 MG/M3;150 PPM  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:4-METHYL-2-PENTANONE  
CAS:108-10-1  
RTECS #:SA9275000  
= Wt:12.  
OSHA PEL:410 MG/M3;100 PPM  
ACGIH TLV:205 MG/M3;50 PPM  
ACGIH STEL:307 MG/M3;75 PPM  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

===== Hazards Identification =====

LD50 LC50 Mixture:NONE  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:UNKNOWN IARC:UNKNOWN OSHA:YES  
Health Hazards Acute and Chronic:AS A PRECAUTION: EXPOSURE TO LIQUIDS,  
VAPORS, MISTS OR FUMES SHOULD BE MINIMIZED. MEDICAL CONDITIONS THAT  
COULD BE AGGRAVATED BY EXPOSURE INCLUDE RESPIRATORY DISORDERS AND  
SKIN ALLERGIES. POTENTIAL FOR NERVOUS SYSTEM, KIDNEY OR LIVER  
DAMAGE.  
Explanation of Carcinogenicity:NONE.  
Effects of Overexposure:INHALATION: MAY CAUSE DIFFICULTY OF BREATHING,  
DIZZINESS AND HEADACHES. EYE CONTACT: IRRITATING AND MAY INJURE EYE  
TISSUE IF NOT REMOVED PROMPTLY. SKIN CONTACT: MAY  
IRRITATE AND  
CAUSE DERMATITIS. INGESTION: OBTAIN IMMEDIATE MEDICAL ATTENTION.  
Medical Condition Aggravated by Exposure:DIZZINESS, HEADACHES, RESPIRATORY  
DISORDERS AND DERMATITIS.

===== First Aid Measures =====

First Aid:MOVE PERSON TO FRESH AIR. IF BREATHING STOPS, APPLY  
ARTIFICIAL RESPIRATION AND SEEK MEDICAL ATTENTION. FLUSH WITH LARGE  
QUANTITIES OF WATER FOR 15 MINUTES.WASH THOROUGHLY WITH SOAP AND  
WATER AND SEE A PHYSICIAN.

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===== Fire Fighting Measures =====

Flash Point Method:TCC

Flash Point:63 DEG F

Autoignition Temp:Autoignition Temp Text:NONE

Lower Limits:1.0%

Upper Limits:8.0%

Extinguishing Media:FOAM, CO2, DRY CHEMICAL.

Fire Fighting Procedures:SELF-CONTAINED BREATHING APPARATUS SHOULD BE AVAILABLE FOR FIRE FIGHTERS. COOL FIRE EXPOSED CONTAINERS WITH WATER. FLASHBACK ALONG VAPOR TRAIL MAY OCCUR. VAPOR MAY EXPLODE IF IGNITED IN AN ENCLOSED AREA.

Unusual Fire/Explosion Hazard

Precautions:KEEP PRODUCT AWAY FROM IGNITION SOURCES

SUCH AS HEAT, SPARKS, PILOT LIGHTS, STATIC ELECTRICITY AND OPEN FLAMES.

===== Accidental Release Measures =====

Spill Release Procedures:ELIMINATE ALL IGNITION SOURCES. KEEP PEOPLE AWAY. STOP LEAK. DIKE AND CONTAIN SPILL, KEEPING PRODUCT OUT OF SEWERS AND WATERCOURSES. RECOVER FREE PRODUCT. ABSORB WITH SUITABLE MATERIAL. VENTILATE CONFINED SPACES.

Neutralizing Agent:NONE.

===== Handling and Storage =====

Handling and Storage Precautions:KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE. DO NOT TRANSFER MATERIAL TO UNMARKED CONTAINERS. MINIMIZE BREATHING VAPORS AND SKIN CONTACT.

Other Precautions:ALL CONTAINERS SHOULD BE DISPOSED OF IN AN ENVIRONMENTALLY SAFE MANNER AND IN ACCORDANCE WITH GOVERNMENT REGULATIONS.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:USE NIOSH/MSHA APPROVED RESPIRATOR WITH ORGANIC

VAPOR CARTRIDGE AND DUST FILTER WHERE CONCENTRATIONS IN AIR EXCEED EXPOSURE GUIDELINES. USE SELF-CONTAINED BREATHING APPARATUS IN CONFINED AREAS.

Ventilation:USE ONLY WITH VENTILATION SUFFICIENT EXCEEDING RECOMMENDED EXPOSURE LIMITS AND BUILD UP OF EXPLOSIVE CONCENTRATIONS OF VAPORS IN AIR.

Protective Gloves:IMPERMEABLE CHEMICAL HANDLING GLOVES FOR SKIN PROTECTION.

Eye Protection:USE CHEMICAL SAFETY GLASSES WITH SIDE SHIELDS FOR EYE PROTECTION.

Other Protective Equipment

equipment:WEAR FULL BODY PROTECTIVE CLOTHING TO  
PREVENT SKIN CONTACT.

Work Hygienic Practices:EYE WASHES AND SAFETY SHOWERS IN THE WORKPLACE  
ARE RECOMMENDED.

Supplemental Safety and Health  
NONE.

===== Physical/Chemical Properties =====

Boiling Pt:B.P. Text:237 TO 282 DEG F

Melt/Freeze Pt:M.P/F.P Text:NONE

Decomp Temp:Decomp Text:NONE

Vapor Density:HEAVIER

Spec Gravity:(H2O=1): 1.0

Evaporation Rate & Reference:SLOWER THAN ETHER

Appearance and Odor:FREE-FLOWING LIQUID

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

AVOID CONTACT WITH STRONG OXIDANTS.

Stability Condition to Avoid:REACTION WITH EPOXY RESIN CURING AGENTS  
MAY PRODUCE CONSIDERABLE HEAT.

Hazardous Decomposition Products:INCLUDING CARBON MONOXIDE CARBON  
DIOXIDE.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

===== Disposal Considerations =====

Waste Disposal Methods:OBSERVE PRECAUTIONS FOR VOLATILE FLAMMABLE

VAPORS FROM ABSORBED MATERIAL. ASSURE CONFORMITY WITH APPLICABLE  
GOVERNMENT REGULATIONS. CONSULT AN EXPERT ON DISPOSAL OF RECOVERED  
MATERIAL AND ENSURE CONFORMITY TO DISPOSAL REGULATIONS.

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