

TORGINOL INC -- 16473, GRAY A -- 8010-01-414-8423

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

Product ID:16473, GRAY A  
MSDS Date:12/31/1999  
FSC:8010  
NIIN:01-414-8423  
Status Code:A  
Kit Part:Y  
MSDS Number: CKTPL  
=== 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:414-467-2471  
Emergency Phone Num:800-688-400  
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Preparer's Name:TORGINOL, INC  
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  
CAGE:33961

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===== Composition/Information on Ingredients =====

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

Ingred Name:METHYL ETHYL KETONE  
CAS:78-93-3  
RTECS #:EL6475000  
= Wt:11.  
OSHA PEL:590 MG/M3;200 PPM  
ACGIH TLV:590 MG/M3;200 PPM  
ACG

IH STEL:885 MG/M3;300 PPM

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:4-METHYL-2-PENTANONE

CAS:108-10-1

RTECS #:SA9275000

= Wt:10.

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

Ingred Name:XYLENE (MIXED ISOMERS)

CAS:1330-20-7

RTECS #:ZE2100000

= Wt:3.

ACGIH TLV:434 MG/M3;100 PPM

ACGIH STEL:651 MG/M3;150 PPM

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

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===== Hazards Identification =====  
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Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:YES

Health Hazards Acute and Chronic: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.

Effects of Overexposure:INHALATION: MAY CAUSE DIFFICULTY BREATHING,

DIZZINESS AND HEADACHES. EYE: IRRITATING AND MAY IN

JURE EYE TISSUE

IF NOT REMOVE PROMPTLY. SKIN: MAY IRRITATE AND CAUSE DEMATITIS.

INGESTION: OBTAIN IMMEDIATE MEDICAL ATTENTION.

Medical Cond Aggravated by Exposure:DIZZINESS, HEADACHES, RESPIRATORY

DISORDERS AND DERMATITIS.

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===== First Aid Measures =====  
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First Aid:INHALATION OVEREXPOSURE: MOVE PERSON TO FRESH AIR. IF

BREATHING STOPS, APPLY ARTIFICIAL RESPIRATION AND SEEK MEDICAL

ATTENTION.. EYE CONTACT: FLUSH WITH LARGE QUANTITIES OF WAT

ER FOR 15

MINUTES. SKIN CONTACT: WASH THOROUGHLY WITH SOAP AND WATER AND SEE A PHYSICIAN. INGESTION: OBTAIN IMMEDIATE MEDICAL ATTENTION.

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

Flash Point Method:TCC

Flash Point:=-3.7C, 25.F

Lower Limits:1.0

Upper Limits:11.5

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. FLASHBA

CK ALONG VAPOR TRAIL MAY OCCUR. VAPOR MAY EXPLODE IF IGNITED IN AN ENCLOSED AREA.

Unusual Fire/Explosion Hazard: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 WATER COURSES. RECOVER FREE PRODUCT. ABSORB WITH SUITABLE MATERIAL. VENTILATE CONFINED SPACES.

===== 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:EMPTY CONTAINERS: CONTAINERS OF THIS MATERIAL MAY BE HAZARDOUS WHEN EMPTIED. SINCE EMPTY CONTAINERS RETAIN PRODUCT RESIDUES, ALL HAZARD PRECAUTIONS GIVEN IN THE DATA SHEET MUST BE OBSERVED.

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

Respiratory Protection:WHERE CONCENTRATIONS IN AIR EXCEED EXPOSURE GUIDELINES USE NIOSH/MSHA APPROVED RESPIRATOR WITH ORGANIC VAPOR CARTRIDGE AND DUST FILTER. USE SELF-CONTAINED BREATHING APPARATUS IN CONFINED AREAS.

Ventilation:USE ONLY WITH VENTILATION SUFFICIENT TO PREVENT EXCEEDING RECOMMENDED EXPOSURE LIMITS AND BUILDUP OF EXPLOSIVE CONCENTRATIONS OF VAPORS IN AIR. USE EXPL

OSION-

Protective Gloves:IMPERMEABLE CHEMICAL HANDLING GLOVES FOR SKIN PROTECTION.

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

Other Protective Equipment:WEAR FULL BODY PROTECTIVE CLOTHING TO PREVENT SKIN CONTACT.

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

Supplemental Safety and Health

DISPOSAL OF CONTAINERS: ALL CONTAINERS SHOULD BE DISPOSED OF IN AN ENVIRONMENTALLY SAFE MANNER & IN ACCORDANCE

WITH GOVERNMENT

REGULATIONS. DRUMS SHOULD BE EITHER RECONDITIONED BY CERTIFIED FIRMS OR PROPERLY DISPOSED OF BY APPROVED FIRMS.

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

HCC:F2

Boiling Pt:B.P. Text:175 TO 282F

Vapor Density:>AIR

Spec Gravity:1.0 (WATER=1)

VOC Grams/Liter:2.13

Evaporation Rate & Reference:SLOWER THAN ETHER.

Solubility in Water:NON SOLUBLE.

Appearance and Odor:FREE-FLOWING LIQUID.

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

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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 DOXIDE.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Waste Disposal Methods:OBSERVE PRECAUTIONS FOR VOLATILE FLAMMABLE VAPORS FROM ABSORBED MATERIAL. ASSUR

E CONFORMITY WITH APPLICABLE  
GOVERNMENT REGULATIONS. CONSULT AND EXPERT ON DISPOSAL OF RECOVERED  
MATERIAL AND ENSURE CONF ORMITY TO DISPOSAL REGULATIONS.

===== MSDS Transport Information =====

Transport Information:DOT INFORMATION: PAINT, 3, UN1263, PG II.

===== Regulatory Information =====

SARA Title III Information:METHYL ETHYL KETONE, CAS#78-93-3;  
4-METHYL-2-PENTAMONE, CAS#108-10-1; XYLENE (MIXED ISOMERS),  
CAS  
#1330-20-7: INDICATES TOXIC CHEMICAL(S) SUBJECT TO THE REPORTING  
REQUIREMENTS OF SECTION 313 OF TITLE I II AND OF 40 CFR 372.

===== Other Information =====

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