

TORGINOL INC -- GRAY 36231 "A" -- 8010-01-419-1150

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Product Identification
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Product ID:GRAY 36231 "A"
MSDS Date:01/20/1995
FSC:8010
NIIN:01-419-1150
Status Code:A
MSDS Number: CLHXF
=== 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:800-688-4005
Prepare
r's Name:HENRY SIMMONS
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
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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 =====

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:YES
Health Hazards Acute and Chronic:AS A PRECAUTION: EXPOSURE TO LIQUIDS,
VAPORS, MISTS OR FUMES SHOULD BE MINIMIZED. MEDICAL CONDITIONS THAT
COUL
D BE AGGRAVATED BY EXPOSURE INCLUDE RESPIRATORY DISORDERS AND
SKIN ALLERGIES. POTENTIAL FO R NERVOUS SYSTEM, KIDNEY OR LIVER
DAMAGE
Effects of Overexposure:INHALATION-MAY CAUSE DIFFICULTY OF BREATHING,
DIZZINESS AND HEADACHES. IF OVERCOME BY VAPOR, MOVE VICTIM TO FRESH
AIR. IF BREATHING IS IRREGULAR OR HAS STOPPED, START RESUSCITATION,
ADMINISTER OXYGEN AND CALL FOR PROMPT MEDICAL ATTENTION. SKIN AND
EYE CONTACT-EYE CONTACT: IRRITATING AND MAY INJURE EYE TISSUE IF
N
OT REMOVE PROMPTLY. IMMEDIATELY FLUSH EYES WITH LARGE AMOUNTS OF
WATER FOR AT LEAST 1 5 MINUTES, IF IRRITATION PERSIST, GET MEDICAL
ATTENTION. SKIN ABSORPTION HEALTH RISK-SKIN CONTACT: MAY IRRITATE
AND CAUSE DERMATITIS. WASH SKIN THOROUGHLY WITH SOAP AND WATER AND
REMOVE ANY CONTAMINA TED CLOTHING. SEEK MEDICAL ATTENTION.
Medical Cond Aggravated by Exposure:DIZZINESS, HEADACHES, RESPIRATORY
DISORDERS AND DERMATITIS.

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

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

Flash Point Method:TCC
Flash Point:=17.2C, 63.F
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: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. DIKE AND CONTAIN SPILL, KEEPING PRODUCT OUT OF SEWERS AND WATERCOURSES. RECOVER FREE PRODUCT. ABSORB WITH SUITABLE MATERIAL. VENTILATE CONFINED SPACE.

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

Handling and Storage Precautions:OBSERVED PRECAUTIONS FOR VOLATILE FLAMMABLE VAPORS WITH ABSORBED MATERIALS. ASSURE CONFORMITY WITH APPLICABLE GOVERNMENT REGULATIONS, CONSULT AN EXPERT ON DISPOSAL OF RECOVERED MATERIAL CONFORMITY TO DISPOSAL REGULATIONS.

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. DISPOSAL OF CONTAINER: ALL CONTAINERS SHOULD BE DISPOSED OF IN AN ENVIRONMENTAL SAFE MANNER.

===== 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 WITH ORGANIC VAPOR CARTRIDGE AND DUST FILTER.

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 WASHES AND SAFETY SHOWERS IN THE WORKPLACE
ARE RECOMMENDED.

Supplemental Safety and Health

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

Boiling Pt.=113.9C, 237.F

B.P. Text:237-282F

Vapor Density:>AIR

Spec Gravity:1.0

VOC Pounds/Gallon:331

VOC Grams/Liter:3.04

Evaporation Rate & Reference:SLOWER THAN ETHER

Solubility in Water:NON SOLUBLE

Appearance and Odor:FREE-FLOWING LIQUID

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

Stability Indicator/Materials to Avoid:YES

AVOID CONTACT WITH STRONG OXIDANTS.

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

Hazardous Decomposition Products:INCLUDING CARBON MONOXIDE, CARBON
DIOXIDE

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

Waste Disposal Methods:KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE.
DO NOT TRANSFER MATERIAL TO UNMARKED
CONTAINERS. MINIMIZE BREATHING
VAPORS AND SKIN CONTACT.

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