

TITAN CORP -- HARDENER OR CATALYST FOR POLYESTER RESIN -- 6810-00N051208

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

Product ID:HARDENER OR CATALYST FOR POLYESTER RESIN

MSDS Date:04/01/1992

FSC:6810

NIIN:00N051208

MSDS Number: BTZNV

=== Responsible Party ===

Company Name:TITAN CORP

Address:5629 208TH ST. SW

City:LYNNWOOD

State:WA

ZIP:98306

Country:US

Info Phone Num:206-775-2582

Emergency Phone Num:206-775-2582

CAGE:4F637

=== Contractor Identification ===

Company Name:TITAN CORP

Address:5629 208TH ST SW

Box:City:LYNNWOOD

State:WA

ZIP:98036

Country:US

Phone:206-775-2582

CAGE:4F637

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

Ingred Name:2-BUTANONE, PEROXIDE; (METHYL ETHYL KETONE PEROXIDE) (MEKP)

CAS:1338-23-4

RTECS #:EL9450000

Fraction by Wt: 5%

OSHA PEL:0.7 PPM, C

ACGIH TLV:0.2, C

EPA Rpt Qty:10 LBS

DOT Rpt Qty:10 LBS

Ingred Name:PHTHALIC ACID, DIMETHYL ESTER; (DIMETHYL PHTHALATE)

CAS:131-11-3

RTECS #:TI1575000

OSHA PEL:5 MG/M3

ACGIH TLV:5 MG/M3

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE: SKIN/EYE: SEVERE. MAY CAUSE
BLINDNESS. SPEC SYMPS AND EFTS OF OVEREXP NOT KNOWN, BUT WILL CAUSE
SEV EYE IRRIT; MAY CAUSE BLINDNESS. HARMFUL IF INHALED.
HARMFUL/FATAL IF SWALLOWED. MOD SKIN IRRITANT.

Explanation of Carcinogenicity:NOT RELEVANT

Effects of Overexposure:SEE HEALTH HAZARDS.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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First Aid Measures
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First Aid:EYES: IMMED FLUSH W/LG QTY OF WATER ON SITE FOR 20-30 MIN.
HOLD LIDS OPEN WHILE FLUSHING. CALL A PHYS. CONTINUE WATER FLUSH TO
1 HR DURING TRANSPORT TO A MED FACILITY. SKIN: WASH W/SOAP & WATER.
IF IR RIT OCCURS, SEE A PHYS. INHAL: REMOVE TO FRESH AIR. CONSULT A
PHYS IF DISCOMFORT PERSISTS. INGEST: ADMINISTER LG QTY OF WATER IF
PERSON IS CONSCIOUS. NEVER GIVE ANYTHING BY MOUTH TO AN UNCON
(SUPDAT)

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Fire Fighting Measures
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Flash Point Method:SCC
Flash Point:180F,82C
Extinguishing Media:WATER SPRAY, WATER FOG, DRY CHEMICAL AND FOAM.
Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED SCBA AND FULL
PROTECTIVE EQUIPMENT . IF LARGE AMOUNT INVOLVED, EVAC AREA AND
FIGHT FIRE FROM SAFE DISTANCE.
Unusual Fire/Explosion Hazard:CONTAM & TEMP. HEAT/CONTAM MAY LEAD TO
FIRE & EXPLOS DECOMP. IF CONFINED DURING EXPOSURE TO FIRE, CAN
DECOMPOSE W/FORCE.

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Accidental Release Measures
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Spill Release Procedures:USE APPROP PROT CLTHG DURING CLEAN-UP. ABSORB
SPILLS W/INERT MATL SUCH AS PERLITE, VERMICULITE/SAND & THEN WET
W/WATER. SWEEP UP USING NON-SPARKING EQUIP & PLACE IN DOUBLE
POLYETHYLENE BAGS. ISOLATE LEAKERS & CONTAMD CONTRS TO A SAFE
PLACE FOR DISP.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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Handling and Storage
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Handling and Storage Precautions:STORE BELOW 100F TO MAINTAIN ACTIVE
OXYGEN CONTENT, PREF BETWEEN 60-85F. DO NOT GET IN EYES, ON
SKIN/CLTHG. KEEP CONTRS CLSD.
Other Precautions:KEEP AWAY FROM HEAT, SPARKS, & OPEN FLAMES. STORE IN
TIGHTLY CLSD CONTRS. DO NOT STORE NEAR COMBUSTIBLES. EMPTY CONTR
MAY CNTN HAZ RESIDUES.

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Exposure Controls/Personal Protection
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Respiratory Protection:USE ONLY NIOSH/MSHA APPROVED EQUIPMENT.
NIOSH/MSHA APPROVED CAN/CANISTER, GAS/VAPOR.
Ventilation:LOC EXHST. SPEC:USE W/ADEQ VENT. MECH(GEN):METHYL ETHYL
KETONE PEROXIDE.0.7PPM (5MG/M3) CEILING (OSHA/ACGIH) (SUPP DATA)
Protective Gloves:NEOPRENE.
Eye Protection:ANSI APPRVD CHEM WORKER GOGGLES .
Other Protective Equipment:AS REQ TO PROTECT AGAINST SKIN CONTACT.
EMERGENCY EYE WASH AND DELUGE SHOWER WHICH MEET ANSI DESIGN
CRITERIA .
Work Hygienic Practices:DO NOT GET IN EYES, ON SKIN/CLTHG. WASH
THOROUGHLY AFTER HANDLING.
Supplemental Safety and Health
FIRST AID:PERSON. IMMEDIATELY CONTACT A PHYSICIAN.
VENT:DIMETHYLPHTHALATE:5 MG/M3 (OSHA/ACGIH)

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Physical/Chemical Properties
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Spec Gravity:1.084(H*20=1)

Solubility in Water:SLIGHT IN H*2O
Appearance and Odor:CLEAR OILY LIQUID, KETONE ODOR.
Percent Volatiles by Volume:<3

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

Stability Indicator/Materials to Avoid:YES
STRONG ACIDS AND TRANSITION METAL SALTS, PROMOTORS.
Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.
Hazardous Decomposition Products:DECOMPOSITION PRODUCTS ARE FLAMMABLE.

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

Waste Disposal Methods:DISPOSE OF I/A/W ALL APPLICABLE FEDERAL, STATE,
AND LOCAL REGULATIONS. DISPOSE OF WASTES @ EPA-APPROVED HAZARDOUS
WASTE DISPOSAL FACILITIES.

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