

MSDS: B0761

ITEM: 6V556 - Primer Metal 4 Oz

ORDER: 0078500691

LP NUMBER: U843345892

MATERIAL SAFETY DATA SHEET (MSDS)

This MSDS should be attached or kept with the respective product with which it is associated.

***** MATERIAL SAFETY DATA SHEET - B0761 *****

Associated Grainger Items
6V556

DEVCON(R*)

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

15165
PRODUCT NAME: FLEXANE FL-10 PRIMER
STOCK NO.: 15165
MANUFACTURER NAME: ITW DEVCON
ADDRESS:
30 ENDICOTT ST.
DANVERS, MA 01923

BUSINESS PHONE: (978) 777-1100
EMERGENCY PHONE: (800) 424-9300

PRODUCT DESCRIPTION:
CLEANER BLEND 300 IS A NON-HALOGENATED ORGANIC SOLVENT BLEND.

NFPA:
2
3
1

HMSIS:
HEALTH 2*
FIRE 3
REACTIVITY 1
PPE X

* CHRONIC HEALTH EFFECTS

SECTION 2: COMPOSITION, INFORMATION ON INGREDIENTS

| INGREDIENT NAME | CAS# | INGREDIENT PERCENT |
|------------------------|-----------|--------------------|
| ISOPROPANOL | 67-63-0 | 10-30 BY WEIGHT |
| METHYL ISOBUTYL KETONE | 108-10-1 | 30-60 BY WEIGHT |
| PHENOLIC RESIN | 9003-35-4 | 5-10 BY WEIGHT |
| TOLUENE | 108-88-3 | 10-30 BY WEIGHT |
| ETHANOL | 64-17-5 | 1-5 BY WEIGHT |

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

WARNING!

FLAMMABLE. IRRITANT.

APPLIES TO HAZARDOUS INGREDIENTS:

ROUTE OF EXPOSURE: EYES. SKIN. INHALATION. INGESTION

POTENTIAL HEALTH EFFECTS:

EYE CONTACT:
CAN CAUSE MODERATE IRRITATION, BURNING SENSATION, TEARING, REDNESS, AND SWELLING. OVEREXPOSURE MAY CAUSE LACRIMATION, CONJUNCTIVITIS, CORNEAL DAMAGE AND PERMANENT INJURY.

SKIN CONTACT:
CAN CAUSE SKIN IRRITATION; ITCHING, REDNESS, RASHES, HIVES, BURNING, AND SWELLING.

INHALATION:
RESPIRATORY TRACT IRRITANT. HIGH CONCENTRATION MAY CAUSE DIZZINESS, HEADACHE, AND ANAESTHETIC EFFECTS.

INGESTION:
CAUSES IRRITATION, A BURNING SENSATION OF THE MOUTH, THROAT AND GASTROINTESTINAL TRACT AND ABDOMINAL PAIN.

CHRONIC SKIN CONTACT:
PROLONGED SKIN CONTACT MAY LEAD TO BURNING ASSOCIATED WITH SEVERE REDDENING, SWELLING, AND POSSIBLE TISSUE DESTRUCTION.

TARGET ORGANS:
EYES. SKIN. RESPIRATORY SYSTEM, DIGESTIVE SYSTEM. KIDNEY. CENTRAL NERVOUS SYSTEM.

SIGNS/SYMPTOMS:
OVEREXPOSURE CAN CAUSE HEADACHES, DIZZINESS, NAUSEA, AND VOMITING.

AGGRAVATION OF PRE-EXISTING CONDITIONS:
INDIVIDUALS WITH PRE-EXISTING SKIN DISORDERS, ASTHMA, ALLERGIES OR KNOWN SENSITIZATION MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THIS PRODUCT.

SECTION 4: FIRST AID MEASURES

EYE CONTACT:
IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 TO 20 MINUTES. ENSURE ADEQUATE FLUSHING OF THE EYES BY SEPARATING THE EYELIDS WITH FINGERS. GET IMMEDIATE MEDICAL ATTENTION.

SKIN CONTACT:
IMMEDIATELY WASH SKIN WITH PLENTY OF SOAP AND WATER FOR 15 TO 20 MINUTES, WHILE REMOVING CONTAMINATED CLOTHING AND SHOES. GET MEDICAL ATTENTION IF IRRITATION DEVELOPS OR PERSISTS.

INHALATION:
IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION OR GIVE OXYGEN BY TRAINED PERSONNEL. SEEK IMMEDIATE MEDICAL ATTENTION.

INGESTION:
IF SWALLOWED, DO NOT INDUCE VOMITING. CALL A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

OTHER FIRST AID:
DUE TO POSSIBLE ASPIRATION INTO THE LUNGS, DO NOT INDUCE VOMITING IF INGESTED. PROVIDE A GLASS OF WATER TO DILUTE THE MATERIAL IN THE STOMACH. IF VOMITING OCCURS NATURALLY, HAVE THE PERSON LEAN FORWARD TO REDUCE THE RISK OF ASPIRATION.

SECTION 5: FIRE FIGHTING MEASURES

FIRE: FLAMMABLE.

FLASH POINT: 55 DEG. F (12.7 DEG. C)
FLASH POINT METHOD: TAG CLOSED CUP (TCC)

UPPER FLAMMABLE OR EXPLOSIVE LIMIT: 8.0%
LOWER FLAMMABLE OR EXPLOSIVE LIMIT: 1.3%

AUTO IGNITION TEMPERATURE: NOT DETERMINED.

EXTINGUISHING MEDIA:
USE CARBON DIOXIDE (CO2) OR DRY CHEMICAL WHEN FIGHTING FIRES INVOLVING THIS MATERIAL.

FIRE FIGHTING INSTRUCTIONS:
EVACUATE AREA OF UNPROTECTED PERSONNEL. USE COLD WATER SPRAY TO COOL FIRE EXPOSED CONTAINERS TO MINIMIZE RISK OF RUPTURE, DO NOT ENTER CONFINED FIRE SPACE WITHOUT FULL PROTECTIVE GEAR, IF POSSIBLE, CONTAIN FIRE RUN-OFF WATER.

PROTECTIVE EQUIPMENT:
AS IN ANY FIRE, WEAR SELF-CONTAINED BREATHING APPARATUS PRESSURE-DEMAND, MSHA/NIOSH (APPROVED OR EQUIVALENT) AND FULL PROTECTIVE GEAR.

SECTION 6: ACCIDENTAL RELEASE MEASURES

LEAK RESPONSE:
FLAMMABLE, ELIMINATE IGNITION SOURCES. VAPORS CAN FORM AN IGNITABLE MIXTURE WITH AIR. VAPORS CAN FLOW ALONG SURFACES TO A DISTANT IGNITION SOURCE AND FLASH BACK. VENTILATE AREA. USE PROPER PERSONAL PROTECTIVE EQUIPMENT AS LISTED IN SECTION 8.

PERSONAL PRECAUTIONS:
EVACUATE AREA AND KEEP UNNECESSARY AND UNPROTECTED PERSONNEL FROM ENTERING THE SPILL AREA.

SPILL CLEANUP MEASURES:
ABSORB SPILL WITH INERT MATERIAL (E.G., DRY SAND OR EARTH), THEN PLACE IN A CHEMICAL WASTE CONTAINER. PROVIDE VENTILATION. COLLECT SPILL WITH A NON-SPARKING TOOL. PLACE INTO A SUITABLE CONTAINER FOR DISPOSAL. CLEAN UP SPILLS IMMEDIATELY OBSERVING PRECAUTIONS IN THE PROTECTIVE EQUIPMENT SECTION, AFTER REMOVAL, FLUSH SPILL AREA WITH SOAP AND WATER TO REMOVE TRACE RESIDUE.

ENVIRONMENTAL PRECAUTIONS:
AVOID RUNOFF INTO STORM SEWERS, DITCHES, AND WATERWAYS.

LARGE SPILL: PUMP OR SHOVEL TO STORAGE/SALVAGE VESSELS.

SECTION 7: HANDLING AND STORAGE

HANDLING:
USE WITH ADEQUATE VENTILATION, AVOID BREATHING VAPOR, AEROSOL OR MIST. MATERIAL WILL ACCUMULATE STATIC CHARGES WHICH MAY CAUSE AN ELECTRICAL SPARK (IGNITION SOURCE). USE PROPER GROUNDING PROCEDURES. DO NOT REUSE CONTAINERS WITHOUT PROPER CLEANING OR RECONDITIONING.

STORAGE:
STORE IN A COOL, DRY, WELL VENTILATED AREA AWAY FROM SOURCES OF HEAT, COMBUSTIBLE MATERIALS, DIRECT SUNLIGHT, AND INCOMPATIBLE SUBSTANCES. KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE.

HYGIENE PRACTICES: WASH THOROUGHLY AFTER HANDLING.

SPECIAL HANDLING PROCEDURES:
PROVIDE APPROPRIATE VENTILATION/RESPIRATORY PROTECTION AGAINST DECOMPOSITION PRODUCTS (SEE SECTION 10) DURING WELDING/FLAME CUTTING OPERATIONS AND TO PROTECT AGAINST DUST DURING SANDING/GRINDING OF CURED PRODUCT. HAZARDOUS LIQUID OR VAPOR RESIDUE MAY REMAIN IN EMPTIED CONTAINER. DO NOT REUSE, HEAT, BURN, PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, EXPOSE TO SPARKS, FLAME, OR IGNITION SOURCES OF EMPTY CONTAINERS WITHOUT PROPER COMMERCIAL CLEANING OR RECONDITIONING.

SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

ENGINEERING CONTROLS:
USE APPROPRIATE ENGINEERING CONTROL SUCH AS PROCESS ENCLOSURES, LOCAL EXHAUST VENTILATION, GENERAL DILUTION VENTILATION, OR OTHER ENGINEERING CONTROLS TO CONTROL AIRBORNE LEVELS BELOW RECOMMENDED EXPOSURE LIMITS, WHERE SUCH SYSTEMS ARE NOT EFFECTIVE WEAR SUITABLE PERSONAL PROTECTIVE EQUIPMENT, WHICH PERFORMS SATISFACTORILY AND MEETS OSHA OR OTHER RECOGNIZED STANDARDS. CONSULT WITH LOCAL PROCEDURES FOR SELECTION, TRAINING, INSPECTION AND MAINTENANCE OF THE PERSONAL PROTECTIVE EQUIPMENT.

SKIN PROTECTION DESCRIPTION:

(DETAILS OF TOXIC EFFECTS NOT REPORTED OTHER THAN LETHAL DOSE VALUE) (RTECS)

INHALATION - RODENT MOUSE LC50 - LETHAL CONCENTRATION, 50 PERCENT KILL:
19900 MG/M3/7H
(DETAILS OF TOXIC EFFECTS NOT REPORTED OTHER THAN LETHAL DOSE VALUE) (RTECS)

INHALATION - RODENT MOUSE LC50 - LETHAL CONCENTRATION, 50 PERCENT KILL:
10000 MG/M3
(BEHAVIORAL - SOMNOLENCE (GENERAL DEPRESSED ACTIVITY)) (RTECS)

ETHANOL:

EYE EFFECT:
EYE - RODENT RABBIT RINSED WITH WATER: 100 MG/4S - (MODERATE) (RTECS)

SKIN EFFECTS:

SKIN - RODENT RABBIT STANDARD DRAIZE TEST: 20 MG/24H - (MODERATE) (RTECS)

SKIN - RODENT RABBIT LDLO: 20 GM/KG
(DETAILS OF TOXIC EFFECTS NOT REPORTED OTHER THAN LETHAL DOSE VALUE) (RTECS)

INGESTION EFFECTS:

ORAL - RODENT RAT LD50: 7 GM/KG
(DETAILS OF TOXIC EFFECTS NOT REPORTED OTHER THAN LETHAL DOSE VALUE) (RTECS)

ORAL - RODENT MOUSE LD50: 3450 MG/KG
(DETAILS OF TOXIC EFFECTS NOT REPORTED OTHER THAN LETHAL DOSE VALUE) (RTECS)

INHALATION EFFECTS:

INHALATION - RODENT RAT LC50 - LETHAL CONCENTRATION, 50 PERCENT KILL:
20000 PPM/10H
(DETAILS OF TOXIC EFFECTS NOT REPORTED OTHER THAN LETHAL DOSE VALUE) (RTECS)

INHALATION - RODENT MOUSE LC50 - LETHAL CONCENTRATION, 50 PERCENT KILL:
39 GM/M3/4H
(DETAILS OF TOXIC EFFECTS NOT REPORTED OTHER THAN LETHAL DOSE VALUE) (RTECS)

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY: NO ECOTOXICITY DATA WAS FOUND FOR THE PRODUCT.

ENVIRONMENTAL FATE: NO ENVIRONMENTAL INFORMATION FOUND FOR THIS PRODUCT.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL:
CONSULT WITH THE US EPA GUIDELINES LISTED IN 40 CFR PART 261.3 FOR THE CLASSIFICATIONS OF HAZARDOUS WASTE PRIOR TO DISPOSAL. FURTHERMORE, CONSULT WITH YOUR STATE AND LOCAL WASTE REQUIREMENTS OR GUIDELINES, IF APPLICABLE, TO ENSURE COMPLIANCE. ARRANGE DISPOSAL IN ACCORDANCE TO THE EPA AND/OR STATE AND LOCAL GUIDELINES.

RCRA HAZARD CLASS: D001

IMPORTANT DISPOSAL INFORMATION:

DANGER!

RAGS, STEEL WOOL AND WASTE SOAKED WITH THIS PRODUCT MAY SPONTANEOUSLY CATCH FIRE IF IMPROPERLY DISCARDED OR STORED. TO AVOID A SPONTANEOUS COMBUSTION FIRE, IMMEDIATELY AFTER USE, PLACE RAGS, STEEL WOOL OR WASTE IN A SEALED, WATER-FILLED, METAL CONTAINER.

SECTION 14: TRANSPORT INFORMATION

DOT SHIPPING NAME: FLAMMABLE LIQUIDS, N.O.S.

DOT UN NUMBER: 1993

DOT HAZARD CLASS: 3

DOT PACKING GROUP: II

NAERG NUMBER: 128

TECHNICAL NAME: TOLUENE, METHYL ISOBUTYL KETONE

SECTION 15: REGULATORY INFORMATION

WHMIS PICTOGRAMS:
B - FLAMMABLE AND COMBUSTIBLE MATERIAL

APPLIES TO ALL INGREDIENTS:

TSCA 8(B):

INVENTORY STATUS:
ALL OF THE CONSTITUENTS OF THIS PRODUCT ARE EITHER TSCA LISTED OR EXEMPT FROM LISTING.

ISOPROPANOL:

TSCA 8(B):
INVENTORY STATUS: LISTED

SECTION 304 CERCLA RQ: 100 (LBS.)

STATE:
LISTED IN THE STATE OF MASSACHUSETTS HAZARDOUS SUBSTANCE LIST.
LISTED IN THE NEW JERSEY STATE RIGHT TO KNOW LIST.
LISTED IN THE PENNSYLVANIA STATE HAZARDOUS SUBSTANCES LIST.

EC NUMBER: 603-003-00-0

METHYL ISOBUTYL KETONE:

TSCA 8(B):
INVENTORY STATUS: LISTED

SECTION 304 CERCLA RQ: 5000 (LBS.)

STATE:
LISTED IN THE STATE OF MASSACHUSETTS HAZARDOUS SUBSTANCE LIST.

LISTED IN THE NEW JERSEY STATE RIGHT TO KNOW LIST.
LISTED IN THE PENNSYLVANIA STATE HAZARDOUS SUBSTANCES LIST

EC NUMBER: 606-004-00-4

TOLUENE:

TSCA 8(B):
INVENTORY STATUS: LISTED

SECTION 304 CERCLA RQ: 1000 (LBS.)

STATE:
LISTED IN THE STATE OF MASSACHUSETTS HAZARDOUS SUBSTANCE LIST.
LISTED IN THE NEW JERSEY STATE RIGHT TO KNOW LIST.
LISTED IN THE PENNSYLVANIA STATE HAZARDOUS SUBSTANCES LIST

EC NUMBER: 601-021-00-3

ETHANOL:

TSCA 8(B):
INVENTORY STATUS: LISTED

SECTION 304 CERCLA RQ: 100 (LBS.)

STATE:
LISTED IN THE STATE OF MASSACHUSETTS HAZARDOUS SUBSTANCE LIST.
LISTED IN THE PENNSYLVANIA STATE HAZARDOUS SUBSTANCES LIST

EC NUMBER: 603-002-00-5

COMMENTS:

WARNING:
THIS PRODUCT CONTAINS A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

CANADIAN REGULATIONS:

WHMIS HAZARD CLASS(ES):
B2
D2B
D2A

ALL COMPONENTS OF THIS PRODUCT ARE ON THE CANADIAN DOMESTIC SUBSTANCES LIST.

SECTION 16: ADDITIONAL INFORMATION

HMIS:
HEALTH HAZARD 2*
FIRE HAZARD 3
REACTIVITY 1
PERSONAL PROTECTION X

NFPA:
HEALTH 2
FIRE HAZARD 3
REACTIVITY 1

MSDS REVISION DATE: 10/10/2006

MSDS AUTHOR: ACTIO CORPORATION

DISCLAIMER:
THIS HEALTH AND SAFETY INFORMATION IS CORRECT TO THE BEST OF OUR KNOWLEDGE AND BELIEF AT THE DATE OF ITS PUBLICATION BUT WE CANNOT ACCEPT LIABILITY FOR ANY LOSS, INJURY OR DAMAGE WHICH MAY RESULT FROM ITS USE. THE INFORMATION GIVEN IN THE DATA SHEET IS DESIGNED ONLY AS A GUIDANCE FOR SAFE HANDLING, STORAGE AND THE USE OF THE SUBSTANCE. IT IS NOT A SPECIFICATION NOR DOES IT GUARANTEE ANY SPECIFIC PROPERTIES. ALL CHEMICALS SHOULD BE HANDLED ONLY BY COMPETENT PERSONNEL, WITHIN A CONTROLLED ENVIRONMENT.

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WEAR APPROPRIATE PROTECTIVE GLOVES AND OTHER PROTECTIVE APPAREL TO PREVENT SKIN CONTACT.

HAND PROTECTION DESCRIPTION:
WEAR APPROPRIATE PROTECTIVE GLOVES. CONSULT GLOVE MANUFACTURER'S DATA FOR PERMEABILITY DATA.

EYE/FACE PROTECTION:
WEAR APPROPRIATE PROTECTIVE GLASSES OR SPLASH GOGGLES AS DESCRIBED BY 29 CFR 1910.133, OSHA EYE AND FACE PROTECTION REGULATION, OR THE EUROPEAN STANDARD EN 166.

RESPIRATORY PROTECTION:
A NIOSH APPROVED AIR-PURIFYING RESPIRATOR WITH AN ORGANIC VAPOR/PARTICULATES COMBINATION CARTRIDGE OR CANISTER MAY BE PERMISSIBLE UNDER CERTAIN CIRCUMSTANCES WHERE AIRBORNE CONCENTRATIONS ARE EXPECTED TO EXCEED EXPOSURE LIMITS. PROTECTION PROVIDED BY AIR PURIFYING RESPIRATORS IS LIMITED. USE A POSITIVE PRESSURE AIR SUPPLIED RESPIRATOR IF THERE IS ANY POTENTIAL FOR AN UNCONTROLLED RELEASE, EXPOSURE LEVELS ARE NOT KNOWN, OR ANY OTHER CIRCUMSTANCES WHERE AIR PURIFYING RESPIRATORS MAY NOT PROVIDE ADEQUATE PROTECTION.

OTHER PROTECTIVE:
FACILITIES STORING OR UTILIZING THIS MATERIAL SHOULD BE EQUIPPED WITH AN EYEWASH AND A DELUGE SHOWER SAFETY STATION.

ONLY ESTABLISHED PEL AND TLV VALUES FOR THE INGREDIENTS ARE LISTED BELOW

INGREDIENT GUIDELINES:

INGREDIENT: ETHANOL
GUIDELINE TYPE: OSHA PEL-TWA
GUIDELINE INFORMATION: 1000 PPM
GUIDELINE TYPE: ACGIH TLV-TWA
GUIDELINE INFORMATION: 1000 PPM

INGREDIENT: ISOPROPANOL
GUIDELINE TYPE: OSHA PEL-TWA
GUIDELINE INFORMATION: 400 PPM
GUIDELINE TYPE: ACGIH TLV-STEL
GUIDELINE INFORMATION: 400 PPM
GUIDELINE TYPE: ACGIH TLV-TWA
GUIDELINE INFORMATION: 200 PPM

INGREDIENT: METHYL ISOBUTYL KETONE
GUIDELINE TYPE: ACGIH TLV-TWA
GUIDELINE INFORMATION: 50 PPM
GUIDELINE TYPE: ACGIH TLV-STEL
GUIDELINE INFORMATION: 75 PPM
GUIDELINE TYPE: OSHA PEL-TWA
GUIDELINE INFORMATION: 100 PPM

INGREDIENT: TOLUENE
GUIDELINE TYPE: OSHA PEL-TWA
GUIDELINE INFORMATION: 200 PPM
GUIDELINE TYPE: OSHA PEL-STEL
GUIDELINE INFORMATION: 500 PPM CEILING/PEAK
GUIDELINE TYPE: ACGIH TLV-TWA
GUIDELINE INFORMATION: 50 PPM

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

COLOR: BLUE

ODOR: SOLVENT.

PHYSICAL STATE: LIQUID.

pH: APPROXIMATELY 7 @ 5 PERCENT SOLUTION

VAPOR PRESSURE: 13 MMHg @ 68 DEG. F

VAPOR DENSITY: >1 (AIR = 1)

BOILING POINT: 195 DEG. F (90.5 DEG. C)

MELTING POINT: NOT DETERMINED.

SOLUBILITY IN WATER: APPROXIMATELY. 35%

SPECIFIC GRAVITY: 0.87

EVAPORATION POINT: >1 (BUTYL ACETATE = 1)

PERCENT VOLATILE: 80

VOLATILE ORGANIC COMPOUND: 640 G/L

CONTENT:

MOLECULAR FORMULA: VARIES

MOLECULAR WEIGHT: VARIES

PERCENT SOLIDS BY WEIGHT: 20

SECTION 10: STABILITY AND REACTIVITY

CHEMICAL STABILITY: STABLE UNDER NORMAL TEMPERATURES AND PRESSURES.

CONDITIONS TO AVOID:
EXTREME HEAT, SPARKS, AND OPEN FLAME. INCOMPATIBLE MATERIALS, OXIDIZERS AND OXIDIZING CONDITIONS. HEATING RESIN ABOVE 300 F IN THE PRESENCE OF AIR MAY CAUSE SLOW OXIDATIVE DECOMPOSITION.

INCOMPATIBILITIES WITH OTHER MATERIALS:
OXIDIZING AGENTS. STRONG ACIDS AND ALKALIS.

HAZARDOUS POLYMERIZATION: NOT REPORTED.

SECTION 11: TOXICOLOGICAL INFORMATION

ISOPROPANOL:

EYE EFFECT:
EYE - RODENT RABBIT STANDARD DRAIZE TEST: 100 MG/24H - (MODERATE) (RTECS)

SKIN EFFECTS:
SKIN - RODENT RABBIT STANDARD DRAIZE TEST: 500 MG - (MILD) (RTECS)

SKIN - RODENT RABBIT LD50:
12800 MG/KG - (DETAILS OF TOXIC EFFECTS NOT REPORTED OTHER THAN LETHAL DOSE VALUE) (RTECS)

INGESTION EFFECTS:

ORAL - RODENT RAT LD50: 5000 MG/KG - (BEHAVIORAL - GENERAL ANESTHETIC) (RTECS)

ORAL - RODENT MOUSE LD50: 3600 MG/KG
(BEHAVIORAL - ALTERED SLEEP TIME (INCLUDING CHANGE IN RIGHTING REFLEX) BEHAVIORAL - SOMNOLENCE (GENERAL DEPRESSED ACTIVITY)) (RTECS)

ORAL - RODENT MOUSE LD50: 3600 MG/KG
(BEHAVIORAL - GENERAL ANESTHETIC) (RTECS)

INHALATION EFFECTS:

INHALATION - RODENT RAT LC50 - LETHAL CONCENTRATION, 50 PERCENT KILL:
72600 MG/M3
(BEHAVIORAL - GENERAL ANESTHETIC LUNGS, THORAX, OR RESPIRATION - OTHER CHANGES) (RTECS)

INHALATION - RODENT MOUSE LC50 - LETHAL CONCENTRATION, 50 PERCENT KILL:
53000 MG/M3
(BEHAVIORAL - GENERAL ANESTHETIC LUNGS, THORAX, OR RESPIRATION - OTHER CHANGES) (RTECS)

METHYL ISOBUTYL KETONE:

EYE EFFECT:

EYE - RODENT RABBIT STANDARD DRAIZE TEST: 100 (MICRO)L/24H - (MODERATE) (RTECS)

SKIN EFFECTS:

SKIN - RODENT RABBIT STANDARD DRAIZE TEST: 500 MG/24H - (MILD) (RTECS)

SKIN - RODENT RABBIT LD - LETHAL DOSE: >3 GM/KG
(DETAILS OF TOXIC EFFECTS NOT REPORTED OTHER THAN LETHAL DOSE VALUE) (RTECS)

INGESTION EFFECTS:

ORAL - RODENT RAT LD50: 4600 MG/KG
(BRAIN AND COVERINGS - INCREASED INTRACRANIAL PRESSURE LIVER-FATTY LIVER DEGENERATION BLOOD - CHANGES IN SPLEEN) (RTECS)

ORAL - RODENT MOUSE LD50: 1900 MG/KG
(DETAILS OF TOXIC EFFECTS NOT REPORTED OTHER THAN LETHAL DOSE VALUE) (RTECS)

ORAL - RODENT MOUSE LD50: 2850 MG/KG
(BRAIN AND COVERINGS - INCREASED INTRACRANIAL PRESSURE LIVER-FATTY LIVER DEGENERATION BLOOD - CHANGES IN SPLEEN) (RTECS)

INHALATION EFFECTS:

INHALATION - RODENT RAT LC50 - LETHAL CONCENTRATION, 50 PERCENT KILL:
100 GM/M3
(DETAILS OF TOXIC EFFECTS NOT REPORTED OTHER THAN LETHAL DOSE VALUE) (RTECS)

INHALATION - RODENT MOUSE LC50 - LETHAL CONCENTRATION, 50 PERCENT KILL:
23300 MG/M3
(DETAILS OF TOXIC EFFECTS NOT REPORTED OTHER THAN LETHAL DOSE VALUE) (RTECS)

INHALATION - RODENT MOUSE LC50 - LETHAL CONCENTRATION, 50 PERCENT KILL:
23300 MG/M3
(BRAIN AND COVERINGS - INCREASED INTRACRANIAL PRESSURE LUNGS, THORAX, OR RESPIRATION - OTHER CHANGES LIVER - FATTY LIVER DEGENERATION) (RTECS)

PHENOLIC RESIN:

SKIN EFFECTS:

SKIN - RODENT RAT LD50: >2 GM/KG
(DETAILS OF TOXIC EFFECTS NOT REPORTED OTHER THAN LETHAL DOSE VALUE) (RTECS)

SKIN - HUMAN TCL0 - LOWEST PUBLISHED TOXIC CONCENTRATION: 1 PPH
(SKIN AND APPENDAGES - DERMATITIS, ALLERGIC (AFTER TOPICAL EXPOSURE)) (RTECS)

INGESTION EFFECTS:

ORAL - RODENT RAT LD50: >5 GM/KG
(DETAILS OF TOXIC EFFECTS NOT REPORTED OTHER THAN LETHAL DOSE VALUE) (RTECS)

TOLUENE:

EYE EFFECT:

EYE - HUMAN STANDARD DRAIZE TEST: 300 PPM (RTECS)

SKIN EFFECTS:

SKIN - RODENT RABBIT STANDARD DRAIZE TEST: 20 MG/24H - (MODERATE) (RTECS)

SKIN - RODENT RABBIT LD50: 14100 (MICRO)L/KG
(DETAILS OF TOXIC EFFECTS NOT REPORTED OTHER THAN LETHAL DOSE VALUE) (RTECS)

INGESTION EFFECTS:

ORAL - RODENT RAT LD50: 636 MG/KG
(DETAILS OF TOXIC EFFECTS NOT REPORTED OTHER THAN LETHAL DOSE VALUE) (RTECS)

INHALATION EFFECTS:

INHALATION - RODENT RAT LC50 - LETHAL CONCENTRATION, 50 PERCENT KILL:
49 GM/M3/4H
(DETAILS OF TOXIC EFFECTS NOT REPORTED OTHER THAN LETHAL DOSE VALUE) (RTECS)

INHALATION - RODENT MOUSE LC50 - LETHAL CONCENTRATION, 50 PERCENT KILL:
400 PPM/24H
(DETAILS OF TOXIC EFFECTS NOT REPORTED OTHER THAN LETHAL DOSE VALUE) (RTECS)

INHALATION - RODENT MOUSE LC50 - LETHAL CONCENTRATION, 50 PERCENT KILL:
30000 MG/M3/2H