

711035

SDS F6871

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

SDS - F6871
Associated Items
1D272
SAFETY DATA SHEET
SC0603000

-----SECTION 1. IDENTIFICATION-----

PRODUCT NAME: SP(TM)603 BLUE LAYOUT DYE AEROSOL
PRODUCT CODE: SC0603000
OTHER MEANS OF IDENTIFICATION: NOT AVAILABLE.
PRODUCT TYPE: AEROSOL.
RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST: PAINT OR PAINT RELATED MATERIAL.
MANUFACTURER:
SPRAYON PRODUCTS GROUP
101 W. PROSPECT AVENUE,
CLEVELAND, OHIO 44115
EMERGENCY TELEPHONE NUMBER OF THE COMPANY:
US / CANADA: (800) 424-9300
MEXICO:
SETIQ: 01-800-00-214-00 / (52) 55-5559-1588 24 HOURS / 365 DAYS A YEAR
PRODUCT INFORMATION TELEPHONE NUMBER:
US / CANADA: (800) 247-3266
MEXICO: NOT AVAILABLE
REGULATORY INFORMATION TELEPHONE NUMBER:
US / CANADA: (216) 566-2902
MEXICO: NOT AVAILABLE
TRANSPORTATION EMERGENCY TELEPHONE NUMBER:
US / CANADA: (800) 424-9300
MEXICO:
SETIQ: 01-800-00-214-00 / (52) 55-5559-1588 24 HOURS / 365 DAYS A YEAR

-----SECTION 2. HAZARDS IDENTIFICATION-----

OSHA/HCS STATUS:
THIS MATERIAL IS CONSIDERED HAZARDOUS BY THE OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200).
CLASSIFICATION OF THE SUBSTANCE OR MIXTURE:
FLAMMABLE AEROSOLS: CATEGORY 1
GASES UNDER PRESSURE: COMPRESSED GAS
SKIN CORROSION/IRRITATION: CATEGORY 2
SERIOUS EYE DAMAGE/ EYE IRRITATION: CATEGORY 2A
CARCINOGENICITY: CATEGORY 2
TOXIC TO REPRODUCTION (FERTILITY): CATEGORY 2
TOXIC TO REPRODUCTION (UNBORN CHILD): CATEGORY 2
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (RESPIRATORY TRACT IRRITATION): CATEGORY 3
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (NARCOTIC EFFECTS): CATEGORY 3
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE): CATEGORY 2
ASPIRATION HAZARD: CATEGORY 1
PERCENTAGE OF THE MIXTURE CONSISTING OF INGREDIENT(S) OF UNKNOWN ACUTE ORAL TOXICITY: 12.2%
PERCENTAGE OF THE MIXTURE CONSISTING OF INGREDIENT(S) OF UNKNOWN ACUTE DERMAL TOXICITY: 24%
PERCENTAGE OF THE MIXTURE CONSISTING OF INGREDIENT(S) OF UNKNOWN ACUTE INHALATION TOXICITY: 20.6%
GHS LABEL ELEMENTS:
HAZARD PICTOGRAMS:
FLAME
GAS CYLINDER
HEALTH HAZARD
EXCLAMATION MARK
SIGNAL WORD: DANGER

HAZARD STATEMENTS:
EXTREMELY FLAMMABLE AEROSOL.
CONTAINS GAS UNDER PRESSURE; MAY EXPLODE IF HEATED.
CAUSES SERIOUS EYE IRRITATION.
CAUSES SKIN IRRITATION.
SUSPECTED OF DAMAGING FERTILITY OR THE UNBORN CHILD.
SUSPECTED OF CAUSING CANCER.
MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS.
MAY CAUSE RESPIRATORY IRRITATION.
MAY CAUSE DROWSINESS OR DIZZINESS.
MAY CAUSE DAMAGE TO ORGANS THROUGH PROLONGED OR REPEATED EXPOSURE.
PRECAUTIONARY STATEMENTS:
PREVENTION:
OBTAIN SPECIAL INSTRUCTIONS BEFORE USE. DO NOT HANDLE UNTIL ALL SAFETY PRECAUTIONS HAVE BEEN READ AND UNDERSTOOD. WEAR PROTECTIVE GLOVES. WEAR EYE OR FACE PROTECTION. WEAR PROTECTIVE CLOTHING. KEEP AWAY FROM HEAT, HOT SURFACES, SPARKS, OPEN FLAMES AND OTHER IGNITION SOURCES. NO SMOKING. DO NOT SPRAY ON AN OPEN FLAME OR OTHER IGNITION SOURCE. USE ONLY OUTDOORS OR IN A WELL-VENTILATED AREA. DO NOT BREATHE DUST OR MIST. WASH HANDS THOROUGHLY AFTER HANDLING. PRESSURIZED CONTAINER: DO NOT PIERCE OR BURN, EVEN AFTER USE.
RESPONSE:
GET MEDICAL ATTENTION IF YOU FEEL UNWELL.
IF EXPOSED OR CONCERNED: GET MEDICAL ATTENTION.
IF INHALED:
REMOVE PERSON TO FRESH AIR AND KEEP COMFORTABLE FOR BREATHING. CALL A POISON CENTER OR PHYSICIAN IF YOU FEEL UNWELL.
IF SWALLOWED:
IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN. DO NOT INDUCE VOMITING.
IF ON SKIN:
WASH WITH PLENTY OF SOAP AND WATER. TAKE OFF CONTAMINATED CLOTHING AND WASH IT BEFORE REUSE.
IF SKIN IRRITATION OCCURS: GET MEDICAL ATTENTION.
IF IN EYES:
RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING.
IF EYE IRRITATION PERSISTS: GET MEDICAL ATTENTION.
STORAGE:
STORE LOCKED UP. PROTECT FROM SUNLIGHT. DO NOT EXPOSE TO TEMPERATURES EXCEEDING 50 DEG. C/122 DEG. F. STORE IN A WELL-VENTILATED PLACE.
DISPOSAL:
DISPOSE OF CONTENTS AND CONTAINER IN ACCORDANCE WITH ALL LOCAL, REGIONAL, NATIONAL AND INTERNATIONAL REGULATIONS.
SUPPLEMENTAL LABEL ELEMENTS:
DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE. CONTAINS SOLVENTS WHICH CAN CAUSE PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE. INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS CAN BE HARMFUL OR FATAL.
WARNING:
THIS PRODUCT CONTAINS CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM. FOR INDUSTRIAL USE ONLY.
PLEASE REFER TO THE SDS FOR ADDITIONAL INFORMATION. KEEP OUT OF REACH OF CHILDREN. KEEP UPRIGHT IN A COOL, DRY PLACE. DO NOT DISCARD EMPTY CAN IN TRASH COMPACTOR.
HAZARDS NOT OTHERWISE CLASSIFIED: NONE KNOWN.

-----SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS-----

SUBSTANCE/MIXTURE: MIXTURE
OTHER MEANS OF IDENTIFICATION: NOT AVAILABLE.
CAS NUMBER/OTHER IDENTIFIERS:
INGREDIENT NAME % BY WEIGHT CAS NUMBER
ACETONE >/=25 - </=50 67-64-1
PROPANE >/=10 - </=25 74-98-6
BUTANE >/=10 - </=25 106-97-8
TOLUENE </=10 108-88-3
DIACETONE ALCOHOL </=5 123-42-2
ETHYLENE GLYCOL </=3 107-21-1
METHYL ETHYL KETONE </=3 78-93-3
2-METHOXY-1-METHYLETHYL ACETATE </=3 108-65-6

12oz Blue Layout Dye
711035



CELLULOSE NITRATE	</=3	9004-70-0
XYLENE, MIXED ISOMERS	</=2.9	1330-20-7
1-BUTANOL	</=2.2	71-36-3
MED. ALIPHATIC HYDROCARBON SOLVENT	<1	64742-88-7
ETHYLBENZENE	</=0.3	100-41-4

ANY CONCENTRATION SHOWN AS A RANGE IS TO PROTECT CONFIDENTIALITY OR IS DUE TO BATCH VARIATION.

THERE ARE NO ADDITIONAL INGREDIENTS PRESENT WHICH, WITHIN THE CURRENT KNOWLEDGE OF THE SUPPLIER AND IN THE CONCENTRATIONS APPLICABLE, ARE CLASSIFIED AS HAZARDOUS TO HEALTH AND HENCE REQUIRE REPORTING IN THIS SECTION.

OCCUPATIONAL EXPOSURE LIMITS, IF AVAILABLE, ARE LISTED IN SECTION 8.

-----SECTION 4. FIRST AID MEASURES -----

DESCRIPTION OF NECESSARY FIRST AID MEASURES:

EYE CONTACT:
IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER, OCCASIONALLY LIFTING THE UPPER AND LOWER EYELIDS. CHECK FOR AND REMOVE ANY CONTACT LENSES. CONTINUE TO RINSE FOR AT LEAST 10 MINUTES. GET MEDICAL ATTENTION.

INHALATION:
REMOVE VICTIM TO FRESH AIR AND KEEP AT REST IN A POSITION COMFORTABLE FOR BREATHING. IF IT IS SUSPECTED THAT FUMES ARE STILL PRESENT, THE RESCUER SHOULD WEAR AN APPROPRIATE MASK OR SELF-CONTAINED BREATHING APPARATUS. IF NOT BREATHING, IF BREATHING IS IRREGULAR OR IF RESPIRATORY ARREST OCCURS, PROVIDE ARTIFICIAL RESPIRATION OR OXYGEN BY TRAINED PERSONNEL. IT MAY BE DANGEROUS TO THE PERSON PROVIDING AID TO GIVE MOUTH-TO-MOUTH RESUSCITATION. GET MEDICAL ATTENTION. IF NECESSARY, CALL A POISON CENTER OR PHYSICIAN. IF UNCONSCIOUS, PLACE IN RECOVERY POSITION AND GET MEDICAL ATTENTION IMMEDIATELY. MAINTAIN AN OPEN AIRWAY. LOOSEN TIGHT CLOTHING SUCH AS A COLLAR, TIE, BELT OR WAISTBAND. IN CASE OF INHALATION OF DECOMPOSITION PRODUCTS IN A FIRE, SYMPTOMS MAY BE DELAYED. THE EXPOSED PERSON MAY NEED TO BE KEPT UNDER MEDICAL SURVEILLANCE FOR 48 HOURS.

SKIN CONTACT:
FLUSH CONTAMINATED SKIN WITH PLENTY OF WATER. REMOVE CONTAMINATED CLOTHING AND SHOES. CONTINUE TO RINSE FOR AT LEAST 10 MINUTES. GET MEDICAL ATTENTION. WASH CLOTHING BEFORE REUSE. CLEAN SHOES THOROUGHLY BEFORE REUSE.

INGESTION:
GET MEDICAL ATTENTION IMMEDIATELY. CALL A POISON CENTER OR PHYSICIAN. WASH OUT MOUTH WITH WATER. REMOVE DENTURES IF ANY. REMOVE VICTIM TO FRESH AIR AND KEEP AT REST IN A POSITION COMFORTABLE FOR BREATHING. IF MATERIAL HAS BEEN SWALLOWED AND THE EXPOSED PERSON IS CONSCIOUS, GIVE SMALL QUANTITIES OF WATER TO DRINK. STOP IF THE EXPOSED PERSON FEELS SICK AS VOMITING MAY BE DANGEROUS. ASPIRATION HAZARD IF SWALLOWED. CAN ENTER LUNGS AND CAUSE DAMAGE. DO NOT INDUCE VOMITING. IF VOMITING OCCURS, THE HEAD SHOULD BE KEPT LOW SO THAT VOMIT DOES NOT ENTER THE LUNGS. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. IF UNCONSCIOUS, PLACE IN RECOVERY POSITION AND GET MEDICAL ATTENTION IMMEDIATELY. MAINTAIN AN OPEN AIRWAY. LOOSEN TIGHT CLOTHING SUCH AS A COLLAR, TIE, BELT OR WAISTBAND.

MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED:

POTENTIAL ACUTE HEALTH EFFECTS:

EYE CONTACT: CAUSES SERIOUS EYE IRRITATION.

INHALATION:
CAN CAUSE CENTRAL NERVOUS SYSTEM (CNS) DEPRESSION. MAY CAUSE DROWSINESS OR DIZZINESS. MAY CAUSE RESPIRATORY IRRITATION.

SKIN CONTACT: CAUSES SKIN IRRITATION.

INGESTION:
CAN CAUSE CENTRAL NERVOUS SYSTEM (CNS) DEPRESSION. MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS.

OVER-EXPOSURE SIGNS/SYMPTOMS:

EYE CONTACT:
ADVERSE SYMPTOMS MAY INCLUDE THE FOLLOWING:
PAIN OR IRRITATION
WATERING
REDNESS

INHALATION:
ADVERSE SYMPTOMS MAY INCLUDE THE FOLLOWING:
RESPIRATORY TRACT IRRITATION
COUGHING
NAUSEA OR VOMITING
HEADACHE
DROWSINESS/FATIGUE
DIZZINESS/VERTIGO
UNCONSCIOUSNESS
REDUCED FETAL WEIGHT
INCREASE IN FETAL DEATHS
SKELETAL MALFORMATIONS

SKIN CONTACT:
ADVERSE SYMPTOMS MAY INCLUDE THE FOLLOWING:
IRRITATION
REDNESS
REDUCED FETAL WEIGHT
INCREASE IN FETAL DEATHS
SKELETAL MALFORMATIONS

INGESTION:

ADVERSE SYMPTOMS MAY INCLUDE THE FOLLOWING:

NAUSEA OR VOMITING
REDUCED FETAL WEIGHT
INCREASE IN FETAL DEATHS
SKELETAL MALFORMATIONS

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED, IF NECESSARY:

NOTES TO PHYSICIAN:
IN CASE OF INHALATION OF DECOMPOSITION PRODUCTS IN A FIRE, SYMPTOMS MAY BE DELAYED. THE EXPOSED PERSON MAY NEED TO BE KEPT UNDER MEDICAL SURVEILLANCE FOR 48 HOURS.

SPECIFIC TREATMENTS: NO SPECIFIC TREATMENT.

PROTECTION OF FIRST-AIDERS:
NO ACTION SHALL BE TAKEN INVOLVING ANY PERSONAL RISK OR WITHOUT SUITABLE TRAINING. IF IT IS SUSPECTED THAT FUMES ARE STILL PRESENT, THE RESCUER SHOULD WEAR AN APPROPRIATE MASK OR SELF-CONTAINED BREATHING APPARATUS. IT MAY BE DANGEROUS TO THE PERSON PROVIDING AID TO GIVE MOUTH-TO-MOUTH RESUSCITATION.

SEE TOXICOLOGICAL INFORMATION (SECTION 11)

-----SECTION 5. FIRE-FIGHTING MEASURES -----

EXTINGUISHING MEDIA:

SUITABLE EXTINGUISHING MEDIA:
USE AN EXTINGUISHING AGENT SUITABLE FOR THE SURROUNDING FIRE.

UNSUITABLE EXTINGUISHING MEDIA: NONE KNOWN.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:
EXTREMELY FLAMMABLE AEROSOL. RUNOFF TO SEWER MAY CREATE FIRE OR EXPLOSION HAZARD. IN A FIRE OR IF HEATED, A PRESSURE INCREASE WILL OCCUR AND THE CONTAINER MAY BURST, WITH THE RISK OF A SUBSEQUENT EXPLOSION. GAS MAY ACCUMULATE IN LOW OR CONFINED AREAS OR TRAVEL A CONSIDERABLE DISTANCE TO A SOURCE OF IGNITION AND FLASH BACK, CAUSING FIRE OR EXPLOSION. BURSTING AEROSOL CONTAINERS MAY BE PROPELLED FROM A FIRE AT HIGH SPEED.

HAZARDOUS THERMAL DECOMPOSITION PRODUCTS:

DECOMPOSITION PRODUCTS MAY INCLUDE THE FOLLOWING MATERIALS:
CARBON DIOXIDE
CARBON MONOXIDE
NITROGEN OXIDES

SPECIAL PROTECTIVE ACTIONS FOR FIRE-FIGHTERS:
PROMPTLY ISOLATE THE SCENE BY REMOVING ALL PERSONS FROM THE VICINITY OF THE INCIDENT IF THERE IS A FIRE. NO ACTION SHALL BE TAKEN INVOLVING ANY PERSONAL RISK OR WITHOUT SUITABLE TRAINING. MOVE CONTAINERS FROM FIRE AREA IF THIS CAN BE DONE WITHOUT RISK. USE WATER SPRAY TO KEEP FIRE-EXPOSED CONTAINERS COOL.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS:
FIRE-FIGHTERS SHOULD WEAR APPROPRIATE PROTECTIVE EQUIPMENT AND SELF-CONTAINED BREATHING APPARATUS (SCBA) WITH A FULL FACE-PIECE OPERATED IN POSITIVE PRESSURE MODE.

-----SECTION 6. ACCIDENTAL RELEASE MEASURES -----

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

FOR NON-EMERGENCY PERSONNEL:
NO ACTION SHALL BE TAKEN INVOLVING ANY PERSONAL RISK OR WITHOUT SUITABLE TRAINING. EVACUATE SURROUNDING AREAS. KEEP UNNECESSARY AND UNPROTECTED PERSONNEL FROM ENTERING. IN THE CASE OF AEROSOLS BEING RUPTURED, CARE SHOULD BE TAKEN DUE TO THE RAPID ESCAPE OF THE PRESSURIZED CONTENTS AND PROPELLANT. IF A LARGE NUMBER OF CONTAINERS ARE RUPTURED, TREAT AS A BULK MATERIAL SPILLAGE ACCORDING TO THE INSTRUCTIONS IN THE CLEAN-UP SECTION. DO NOT TOUCH OR WALK THROUGH SPILLED MATERIAL. SHUT OFF ALL IGNITION SOURCES. NO FLARES, SMOKING OR FLAMES IN HAZARD AREA. AVOID BREATHING VAPOR OR MIST. PROVIDE ADEQUATE VENTILATION. WEAR APPROPRIATE RESPIRATOR WHEN VENTILATION IS INADEQUATE. PUT ON APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT.

FOR EMERGENCY RESPONDERS:
IF SPECIALIZED CLOTHING IS REQUIRED TO DEAL WITH THE SPILLAGE, TAKE NOTE OF ANY INFORMATION IN SECTION 8 ON SUITABLE AND UNSUITABLE MATERIALS. SEE ALSO THE INFORMATION IN "FOR NON-EMERGENCY PERSONNEL".

ENVIRONMENTAL PRECAUTIONS:
AVOID DISPERSAL OF SPILLED MATERIAL AND RUNOFF AND CONTACT WITH SOIL, WATERWAYS, DRAINS AND SEWERS. INFORM THE RELEVANT AUTHORITIES IF THE PRODUCT HAS CAUSED ENVIRONMENTAL POLLUTION (SEWERS, WATERWAYS, SOIL OR AIR).

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:

SMALL SPILL:
STOP LEAK IF WITHOUT RISK. MOVE CONTAINERS FROM SPILL AREA. USE SPARK-PROOF TOOLS AND EXPLOSION-PROOF EQUIPMENT. DILUTE WITH WATER AND MOP UP IF WATER-SOLUBLE. ALTERNATIVELY, OR IF WATER-INSOLUBLE, ABSORB WITH AN INERT DRY MATERIAL AND PLACE IN AN APPROPRIATE WASTE DISPOSAL CONTAINER. DISPOSE OF VIA A LICENSED WASTE DISPOSAL CONTRACTOR.

LARGE SPILL:
STOP LEAK IF WITHOUT RISK. MOVE CONTAINERS FROM SPILL AREA. USE SPARK-PROOF TOOLS AND EXPLOSION-PROOF EQUIPMENT. APPROACH RELEASE FROM UPWIND. PREVENT ENTRY INTO SEWERS, WATER COURSES, BASEMENTS OR CONFINED AREAS. WASH SPILLAGES INTO AN EFFLUENT TREATMENT PLANT OR PROCEED AS FOLLOWS. CONTAIN AND COLLECT SPILLAGE WITH NON-COMBUSTIBLE, ABSORBENT MATERIAL E.G. SAND, EARTH, VERMICULITE OR DIATOMACEOUS EARTH AND PLACE IN CONTAINER FOR DISPOSAL ACCORDING TO LOCAL REGULATIONS (SEE SECTION 13). DISPOSE OF VIA A



LICENSED WASTE DISPOSAL CONTRACTOR. CONTAMINATED ABSORBENT MATERIAL MAY POSE THE SAME HAZARD AS THE SPILLED PRODUCT.

NOTE:
SEE SECTION 1 FOR EMERGENCY CONTACT INFORMATION AND SECTION 13 FOR WASTE DISPOSAL.

PRECAUTIONS FOR SAFE HANDLING:

PROTECTIVE MEASURES:
PUT ON APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT (SEE SECTION 8).

PRESSURIZED CONTAINER:
PROTECT FROM SUNLIGHT AND DO NOT EXPOSE TO TEMPERATURES EXCEEDING 50 DEG. C. DO NOT PIERCE OR BURN, EVEN AFTER USE. AVOID EXPOSURE - OBTAIN SPECIAL INSTRUCTIONS BEFORE USE. AVOID EXPOSURE DURING PREGNANCY. DO NOT HANDLE UNTIL ALL SAFETY PRECAUTIONS HAVE BEEN READ AND UNDERSTOOD. DO NOT GET IN EYES OR ON SKIN OR CLOTHING. DO NOT BREATHE VAPOR OR MIST. DO NOT SWALLOW. AVOID BREATHING GAS. USE ONLY WITH ADEQUATE VENTILATION. WEAR APPROPRIATE RESPIRATOR WHEN VENTILATION IS INADEQUATE. STORE AND USE AWAY FROM HEAT, SPARKS, OPEN FLAME OR ANY OTHER IGNITION SOURCE. USE EXPLOSION-PROOF ELECTRICAL (VENTILATING, LIGHTING AND MATERIAL HANDLING) EQUIPMENT. USE ONLY NON-SPARKING TOOLS. EMPTY CONTAINERS RETAIN PRODUCT RESIDUE AND CAN BE HAZARDOUS.

ADVICE ON GENERAL OCCUPATIONAL HYGIENE:
EATING, DRINKING AND SMOKING SHOULD BE PROHIBITED IN AREAS WHERE THIS MATERIAL IS HANDLED, STORED AND PROCESSED. WORKERS SHOULD WASH HANDS AND FACE BEFORE EATING, DRINKING AND SMOKING. REMOVE CONTAMINATED CLOTHING AND PROTECTIVE EQUIPMENT BEFORE ENTERING EATING AREAS. SEE ALSO SECTION 8 FOR ADDITIONAL INFORMATION ON HYGIENE MEASURES.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:
STORE IN ACCORDANCE WITH LOCAL REGULATIONS. STORE AWAY FROM DIRECT SUNLIGHT IN A DRY, COOL AND WELL-VENTILATED AREA, AWAY FROM INCOMPATIBLE MATERIALS (SEE SECTION 10) AND FOOD AND DRINK. PROTECT FROM SUNLIGHT. STORE LOCKED UP. ELIMINATE ALL IGNITION SOURCES. USE APPROPRIATE CONTAINMENT TO AVOID ENVIRONMENTAL CONTAMINATION. SEE SECTION 10 FOR INCOMPATIBLE MATERIALS BEFORE HANDLING OR USE.

-----SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION -----

CONTROL PARAMETERS:

OCCUPATIONAL EXPOSURE LIMITS (OSHA UNITED STATES):

INGREDIENT NAME CAS # EXPOSURE LIMITS

ACETONE 67-64-1 ACGIH TLV (UNITED STATES, 3/2019).
TWA: 250 PPM 8 HOURS.
STEL: 500 PPM 15 MINUTES.

NIOSH REL (UNITED STATES, 10/2016).
TWA: 250 PPM 10 HOURS.
TWA: 590 MG/M3 10 HOURS.

OSHA PEL (UNITED STATES, 5/2018).
TWA: 1000 PPM 8 HOURS.
TWA: 2400 MG/M3 8 HOURS.

PROPANE 74-98-6 NIOSH REL (UNITED STATES, 10/2016).
TWA: 1000 PPM 10 HOURS.
TWA: 1800 MG/M3 10 HOURS.

OSHA PEL (UNITED STATES, 5/2018).
TWA: 1000 PPM 8 HOURS.
TWA: 1800 MG/M3 8 HOURS.

ACGIH TLV (UNITED STATES, 3/2019). OXYGEN DEPLETION [ASPHYXIAN]. EXPLOSIVE POTENTIAL.

BUTANE 106-97-8 NIOSH REL (UNITED STATES, 10/2016).
TWA: 800 PPM 10 HOURS.
TWA: 1900 MG/M3 10 HOURS.

ACGIH TLV (UNITED STATES, 3/2019). EXPLOSIVE POTENTIAL.
STEL: 1000 PPM 15 MINUTES.

TOLUENE 108-88-3 OSHA PEL Z2 (UNITED STATES, 2/2013).
TWA: 200 PPM 8 HOURS.
CEIL: 300 PPM
AMP: 500 PPM 10 MINUTES.

NIOSH REL (UNITED STATES, 10/2016).
TWA: 100 PPM 10 HOURS.
TWA: 375 MG/M3 10 HOURS.
STEL: 150 PPM 15 MINUTES.
STEL: 560 MG/M3 15 MINUTES.

ACGIH TLV (UNITED STATES, 3/2019).
TWA: 20 PPM 8 HOURS.

DIACETONE ALCOHOL 123-42-2 ACGIH TLV (UNITED STATES, 3/2019).

TWA: 50 PPM 8 HOURS.
TWA: 238 MG/M3 8 HOURS.

NIOSH REL (UNITED STATES, 10/2016).
TWA: 50 PPM 10 HOURS.
TWA: 240 MG/M3 10 HOURS.

OSHA PEL (UNITED STATES, 5/2018).
TWA: 50 PPM 8 HOURS.
TWA: 240 MG/M3 8 HOURS.

ETHYLENE GLYCOL 107-21-1 ACGIH TLV (UNITED STATES, 3/2019).
STEL: 10 MG/M3 15 MINUTES.
FORM: INHALABLE FRACTION. AEROSOL ONLY.
STEL: 50 PPM 15 MINUTES.
FORM: VAPOR FRACTION
TWA: 25 PPM 8 HOURS.
FORM: VAPOR FRACTION

METHYL ETHYL KETONE 78-93-3 ACGIH TLV (UNITED STATES, 3/2019).
TWA: 200 PPM 8 HOURS.
TWA: 590 MG/M3 8 HOURS.
STEL: 300 PPM 15 MINUTES.
STEL: 885 MG/M3 15 MINUTES.

NIOSH REL (UNITED STATES, 10/2016).
TWA: 200 PPM 10 HOURS.
TWA: 590 MG/M3 10 HOURS.
STEL: 300 PPM 15 MINUTES.
STEL: 885 MG/M3 15 MINUTES.

OSHA PEL (UNITED STATES, 5/2018).
TWA: 200 PPM 8 HOURS.
TWA: 590 MG/M3 8 HOURS.

2-METHOXY-1-METHYLETHYL ACETATE 108-65-6 AIHA WEEL (UNITED STATES, 7/2018).
TWA: 50 PPM 8 HOURS.

CELLULOSE NITRATE 9004-70-0 NONE.

XYLENE, MIXED ISOMERS 1330-20-7 ACGIH TLV (UNITED STATES, 3/2019).
TWA: 100 PPM 8 HOURS.
TWA: 434 MG/M3 8 HOURS.
STEL: 150 PPM 15 MINUTES.
STEL: 651 MG/M3 15 MINUTES.

OSHA PEL (UNITED STATES, 5/2018).
TWA: 100 PPM 8 HOURS.
TWA: 435 MG/M3 8 HOURS.

1-BUTANOL 71-36-3 ACGIH TLV (UNITED STATES, 3/2019).
TWA: 20 PPM 8 HOURS.

NIOSH REL (UNITED STATES, 10/2016).
ABSORBED THROUGH SKIN.
CEIL: 50 PPM
CEIL: 150 MG/M3

OSHA PEL (UNITED STATES, 5/2018).
TWA: 100 PPM 8 HOURS.
TWA: 300 MG/M3 8 HOURS.

MED. ALIPHATIC HYDROCARBON SOLVENT 64742-88-7 OSHA PEL (UNITED STATES, 5/2018).
TWA: 100 PPM 8 HOURS.
TWA: 400 MG/M3 8 HOURS.

ETHYLBENZENE 100-41-4 ACGIH TLV (UNITED STATES, 3/2019).
TWA: 20 PPM 8 HOURS.

NIOSH REL (UNITED STATES, 10/2016).
TWA: 100 PPM 10 HOURS.
TWA: 435 MG/M3 10 HOURS.
STEL: 125 PPM 15 MINUTES.
STEL: 545 MG/M3 15 MINUTES.

OSHA PEL (UNITED STATES, 5/2018).
TWA: 100 PPM 8 HOURS.
TWA: 435 MG/M3 8 HOURS.

OCCUPATIONAL EXPOSURE LIMITS (CANADA):

INGREDIENT NAME CAS # EXPOSURE LIMITS

ACETONE 67-64-1 CA ALBERTA PROVINCIAL (CANADA, 6/2018).
8 HRS OEL:
1200 MG/M3 8 HOURS.
15 MIN OEL:
1800 MG/M3 15 MINUTES.
8 HRS OEL: 500 PPM 8 HOURS.
15 MIN OEL:



750 PPM 15 MINUTES.
CA BRITISH COLUMBIA
PROVINCIAL (CANADA,
5/2019).
TWA: 250 PPM 8 HOURS.
STEL: 500 PPM 15 MINUTES.

CA ONTARIO PROVINCIAL
(CANADA, 1/2018).
TWA: 250 PPM 8 HOURS.
STEL: 500 PPM 15 MINUTES.

CA QUEBEC PROVINCIAL
(CANADA, 1/2014).
TWA: 500 PPM 8 HOURS.
TWA: 1190 MG/M3 8 HOURS.
STEL: 1000 PPM 15 MINUTES.
STEV:
2380 MG/M3 15 MINUTES.

CA SASKATCHEWAN PROVINCIAL
(CANADA, 7/2013).
STEL: 750 PPM 15 MINUTES.
TWA: 500 PPM 8 HOURS.

NORMAL PROPANE 74-98-6 CA ALBERTA PROVINCIAL
(CANADA, 6/2018).
8 HRS OEL:
1000 PPM 8 HOURS.

CA QUEBEC PROVINCIAL
(CANADA, 1/2014).
TWA: 1000 PPM 8 HOURS.
TWA: 1800 MG/M3 8 HOURS.

CA ONTARIO PROVINCIAL
(CANADA, 1/2018).
TWA: 1000 PPM 8 HOURS.

CA SASKATCHEWAN PROVINCIAL
(CANADA, 7/2013).
STEL: 1250 PPM 15 MINUTES.
TWA: 1000 PPM 8 HOURS.

CA BRITISH COLUMBIA
PROVINCIAL (CANADA,
5/2019). OXYGEN DEPLETION
[ASPHYXIAN].
EXPLOSIVE POTENTIAL.

BUTANE 106-97-8 CA ALBERTA PROVINCIAL
(CANADA, 6/2018).
8 HRS OEL:
1000 PPM 8 HOURS.

CA QUEBEC PROVINCIAL
(CANADA, 1/2014).
TWA: 800 PPM 8 HOURS.
TWA: 1900 MG/M3 8 HOURS.

CA ONTARIO PROVINCIAL
(CANADA, 1/2018).
TWA: 800 PPM 8 HOURS.

CA SASKATCHEWAN PROVINCIAL
(CANADA, 7/2013).
STEL: 1250 PPM 15 MINUTES.
TWA: 1000 PPM 8 HOURS.

CA BRITISH COLUMBIA
PROVINCIAL (CANADA,
5/2019). EXPLOSIVE
POTENTIAL.
STEL: 1000 PPM 15 MINUTES.

TOLUENE 108-88-3 CA ALBERTA PROVINCIAL
(CANADA, 6/2018).
ABSORBED THROUGH SKIN.
8 HRS OEL: 50 PPM 8 HOURS.
8 HRS OEL:
188 MG/M3 8 HOURS.

CA BRITISH COLUMBIA
PROVINCIAL (CANADA,
5/2019).
TWA: 20 PPM 8 HOURS.

CA ONTARIO PROVINCIAL
(CANADA, 1/2018).
TWA: 20 PPM 8 HOURS.

CA QUEBEC PROVINCIAL
(CANADA, 1/2014).
ABSORBED THROUGH SKIN.
TWA: 50 PPM 8 HOURS.
TWA: 188 MG/M3 8 HOURS.

CA SASKATCHEWAN PROVINCIAL
(CANADA, 7/2013). ABSORBED
THROUGH SKIN.
STEL: 60 PPM 15 MINUTES.
TWA: 50 PPM 8 HOURS.

4-HYDROXY-4-METHYL-2-PENTANONE 123-42-2 CA ALBERTA PROVINCIAL
(CANADA, 6/2018).
8 HRS OEL: 50 PPM 8 HOURS.
8 HRS OEL:

238 MG/M3 8 HOURS.
CA BRITISH COLUMBIA
PROVINCIAL (CANADA,
5/2019).
TWA: 50 PPM 8 HOURS.

CA ONTARIO PROVINCIAL
(CANADA, 1/2018).
TWA: 50 PPM 8 HOURS.

CA QUEBEC PROVINCIAL
(CANADA, 1/2014).
TWA: 50 PPM 8 HOURS.
TWA: 238 MG/M3 8 HOURS.

CA SASKATCHEWAN PROVINCIAL
(CANADA, 7/2013).
STEL: 60 PPM 15 MINUTES.
TWA: 50 PPM 8 HOURS.

ETHYLENE GLYCOL 107-21-1 CA BRITISH COLUMBIA
PROVINCIAL (CANADA,
5/2019).
C: 100 MG/M3 FORM: AEROSOL
TWA: 10 MG/M3 8 HOURS.
FORM: PARTICULATE
STEL: 20 MG/M3 15 MINUTES.
FORM: PARTICULATE
C: 50 PPM
FORM: VAPOUR

CA ONTARIO PROVINCIAL
(CANADA, 1/2018).
C: 100 MG/M3
FORM: AEROSOL ONLY.

CA SASKATCHEWAN PROVINCIAL
(CANADA, 7/2013).
CEL: 100 MG/M3
FORM: AEROSOL.

CA ALBERTA PROVINCIAL
(CANADA, 6/2018).
C: 100 MG/M3

CA QUEBEC PROVINCIAL
(CANADA, 1/2014).
STEV: 50 PPM 15 MINUTES.
FORM: VAPOUR AND MIST
STEV: 127 MG/M3 15 MINUTES.
FORM: VAPOUR AND MIST

METHYL ETHYL KETONE 78-93-3 CA ALBERTA PROVINCIAL
(CANADA, 6/2018).
15 MIN OEL:
300 PPM 15 MINUTES.

8 HRS OEL: 200 PPM 8 HOURS.
8 HRS OEL:
590 MG/M3 8 HOURS.
15 MIN OEL:
885 MG/M3 15 MINUTES.

CA BRITISH COLUMBIA
PROVINCIAL (CANADA,
5/2019).
TWA: 50 PPM 8 HOURS.
STEL: 100 PPM 15 MINUTES.

CA ONTARIO PROVINCIAL
(CANADA, 1/2018).
TWA: 200 PPM 8 HOURS.
STEL: 300 PPM 15 MINUTES.

CA QUEBEC PROVINCIAL
(CANADA, 1/2014).
TWA: 50 PPM 8 HOURS.
TWA: 150 MG/M3 8 HOURS.
STEV: 100 PPM 15 MINUTES.
STEV: 300 MG/M3 15 MINUTES.

CA SASKATCHEWAN PROVINCIAL
(CANADA, 7/2013).
STEL: 300 PPM 15 MINUTES.
TWA: 200 PPM 8 HOURS.

XYLENE 1330-20-7 CA ALBERTA PROVINCIAL
(CANADA, 6/2018).
8 HRS OEL: 100 PPM 8 HOURS.
15 MIN OEL:
651 MG/M3 15 MINUTES.
15 MIN OEL:
150 PPM 15 MINUTES.
8 HRS OEL:
434 MG/M3 8 HOURS.

CA BRITISH COLUMBIA
PROVINCIAL (CANADA,
5/2019).
TWA: 100 PPM 8 HOURS.
STEL: 150 PPM 15 MINUTES.

CA QUEBEC PROVINCIAL
(CANADA, 1/2014).
TWA: 100 PPM 8 HOURS.
TWA: 434 MG/M3 8 HOURS.
STEV: 150 PPM 15 MINUTES.
STEV: 651 MG/M3 15 MINUTES.



CA ONTARIO PROVINCIAL
(CANADA, 1/2018).
STEL: 150 PPM 15 MINUTES.
TWA: 100 PPM 8 HOURS.

CA SASKATCHEWAN PROVINCIAL
(CANADA, 7/2013).
STEL: 150 PPM 15 MINUTES.
TWA: 100 PPM 8 HOURS.

NORMAL BUTYL ALCOHOL 71-36-3 CA ALBERTA PROVINCIAL
(CANADA, 6/2018).
8 HRS OEL:
60 MG/M3 8 HOURS.
8 HRS OEL:
20 PPM 8 HOURS.

CA BRITISH COLUMBIA
PROVINCIAL (CANADA,
5/2019).
TWA: 15 PPM 8 HOURS.
C: 30 PPM

CA ONTARIO PROVINCIAL
(CANADA, 1/2018).
TWA: 20 PPM 8 HOURS.

CA QUEBEC PROVINCIAL
(CANADA, 1/2014).
ABSORBED THROUGH SKIN.
STEV: 50 PPM 15 MINUTES.
STEV: 152 MG/M3 15 MINUTES.

CA SASKATCHEWAN PROVINCIAL
(CANADA, 7/2013).
STEL: 30 PPM 15 MINUTES.
TWA: 20 PPM 8 HOURS.

ETHYLBENZENE 100-41-4 CA ALBERTA PROVINCIAL
(CANADA, 6/2018).
8 HRS OEL: 100 PPM 8 HOURS.
8 HRS OEL:
434 MG/M3 8 HOURS.
15 MIN OEL:
543 MG/M3 15 MINUTES.
15 MIN OEL:
125 PPM 15 MINUTES.

CA BRITISH COLUMBIA
PROVINCIAL (CANADA,
5/2019).
TWA: 20 PPM 8 HOURS.

CA ONTARIO PROVINCIAL
(CANADA, 1/2018).
TWA: 20 PPM 8 HOURS.

CA QUEBEC PROVINCIAL
(CANADA, 1/2014).
TWA: 100 PPM 8 HOURS.
TWA: 434 MG/M3 8 HOURS.
STEV: 125 PPM 15 MINUTES.
STEV: 543 MG/M3 15 MINUTES.

CA SASKATCHEWAN PROVINCIAL
(CANADA, 7/2013).
STEL: 125 PPM 15 MINUTES.
TWA: 100 PPM 8 HOURS.

OCCUPATIONAL EXPOSURE LIMITS (MEXICO):

CAS # EXPOSURE LIMITS

ACETONE 67-64-1 NOM-010-STPS-2014 (MEXICO,
4/2016).
TWA: 500 PPM 8 HOURS.
STEL: 750 PPM 15 MINUTES.

PROPANE 74-98-6 NOM-010-STPS-2014 (MEXICO,
4/2016).
TWA: 1000 PPM 8 HOURS.

BUTANE 106-97-8 NOM-010-STPS-2014 (MEXICO,
4/2016).
TWA: 1000 PPM 8 HOURS.

TOLUENE 108-88-3 NOM-010-STPS-2014 (MEXICO,
4/2016).
TWA: 20 PPM 8 HOURS.

DIACETONE ALCOHOL 123-42-2 NOM-010-STPS-2014 (MEXICO,
4/2016).
TWA: 50 PPM 8 HOURS.

ETHANEDIOL 107-21-1 NOM-010-STPS-2014 (MEXICO,
4/2016).
CEIL: 100 MG/M3
FORM: ONLY AEROSOL

METHYL ETHYL KETONE 78-93-3 NOM-010-STPS-2014 (MEXICO,
4/2016).
TWA: 200 PPM 8 HOURS.
STEL: 300 PPM 15 MINUTES.

XYLENE, MIXED ISOMERS 1330-20-7 NOM-010-STPS-2014 (MEXICO,
4/2016).
STEL: 150 PPM 15 MINUTES.
TWA: 100 PPM 8 HOURS.

1-BUTANOL 71-36-3 NOM-010-STPS-2014 (MEXICO,
4/2016).
ABSORBED THROUGH SKIN.
TWA: 20 PPM 8 HOURS.

ETHYLBENZENE 100-41-4 NOM-010-STPS-2014 (MEXICO,
4/2016).
TWA: 20 PPM 8 HOURS.

APPROPRIATE ENGINEERING CONTROLS:
USE ONLY WITH ADEQUATE VENTILATION. USE PROCESS ENCLOSURES, LOCAL EXHAUST
VENTILATION OR OTHER ENGINEERING CONTROLS TO KEEP WORKER EXPOSURE TO
AIRBORNE CONTAMINANTS BELOW ANY RECOMMENDED OR STATUTORY LIMITS. THE
ENGINEERING CONTROLS ALSO NEED TO KEEP GAS, VAPOR OR DUST CONCENTRATIONS
BELOW ANY LOWER EXPLOSIVE LIMITS. USE EXPLOSION-PROOF VENTILATION
EQUIPMENT.

ENVIRONMENTAL EXPOSURE CONTROLS:
EMISSIONS FROM VENTILATION OR WORK PROCESS EQUIPMENT SHOULD BE CHECKED
TO ENSURE THEY COMPLY WITH THE REQUIREMENTS OF ENVIRONMENTAL PROTECTION
LEGISLATION. IN SOME CASES, FUME SCRUBBERS, FILTERS OR ENGINEERING
MODIFICATIONS TO THE PROCESS EQUIPMENT WILL BE NECESSARY TO REDUCE
EMISSIONS TO ACCEPTABLE LEVELS.

INDIVIDUAL PROTECTION MEASURES:

HYGIENE MEASURES:
WASH HANDS, FOREARMS AND FACE THOROUGHLY AFTER HANDLING CHEMICAL PRODUCTS,
BEFORE EATING, SMOKING AND USING THE LAVATORY AND AT THE END OF THE WORKING
PERIOD. APPROPRIATE TECHNIQUES SHOULD BE USED TO REMOVE POTENTIALLY
CONTAMINATED CLOTHING. WASH CONTAMINATED CLOTHING BEFORE REUSING. ENSURE
THAT EYEWASH STATIONS AND SAFETY SHOWERS ARE CLOSE TO THE WORKSTATION
LOCATION.

EYE/FACE PROTECTION:
SAFETY EYEWEAR COMPLYING WITH AN APPROVED STANDARD SHOULD BE USED WHEN
A RISK ASSESSMENT INDICATES THIS IS NECESSARY TO AVOID EXPOSURE TO LIQUID
SPLASHES, MISTS, GASES OR DUSTS. IF CONTACT IS POSSIBLE, THE FOLLOWING
PROTECTION SHOULD BE WORN, UNLESS THE ASSESSMENT INDICATES A HIGHER DEGREE
OF PROTECTION: CHEMICAL SPLASH GOGGLES.

SKIN PROTECTION:

HAND PROTECTION:
CHEMICAL-RESISTANT, IMPERVIOUS GLOVES COMPLYING WITH AN APPROVED STANDARD
SHOULD BE WORN AT ALL TIMES WHEN HANDLING CHEMICAL PRODUCTS IF A RISK
ASSESSMENT INDICATES THIS IS NECESSARY. CONSIDERING THE PARAMETERS
SPECIFIED BY THE GLOVE MANUFACTURER, CHECK DURING USE THAT THE GLOVES ARE
STILL RETAINING THEIR PROTECTIVE PROPERTIES. IT SHOULD BE NOTED THAT THE
TIME TO BREAKTHROUGH FOR ANY GLOVE MATERIAL MAY BE DIFFERENT FOR DIFFERENT
GLOVE MANUFACTURERS. IN THE CASE OF MIXTURES, CONSISTING OF SEVERAL
SUBSTANCES, THE PROTECTION TIME OF THE GLOVES CANNOT BE ACCURATELY
ESTIMATED.

BODY PROTECTION:
PERSONAL PROTECTIVE EQUIPMENT FOR THE BODY SHOULD BE SELECTED BASED ON THE
TASK BEING PERFORMED AND THE RISKS INVOLVED AND SHOULD BE APPROVED BY A
SPECIALIST BEFORE HANDLING THIS PRODUCT. WHEN THERE IS A RISK OF IGNITION
FROM STATIC ELECTRICITY, WEAR ANTI-STATIC PROTECTIVE CLOTHING. FOR THE
GREATEST PROTECTION FROM STATIC DISCHARGES, CLOTHING SHOULD INCLUDE
ANTI-STATIC OVERALLS, BOOTS AND GLOVES.

OTHER SKIN PROTECTION:
APPROPRIATE FOOTWEAR AND ANY ADDITIONAL SKIN PROTECTION MEASURES SHOULD
BE SELECTED BASED ON THE TASK BEING PERFORMED AND THE RISKS INVOLVED AND
SHOULD BE APPROVED BY A SPECIALIST BEFORE HANDLING THIS PRODUCT.

RESPIRATORY PROTECTION:
BASED ON THE HAZARD AND POTENTIAL FOR EXPOSURE, SELECT A RESPIRATOR THAT
MEETS THE APPROPRIATE STANDARD OR CERTIFICATION. RESPIRATORS MUST BE USED
ACCORDING TO A RESPIRATORY PROTECTION PROGRAM TO ENSURE PROPER FITTING,
TRAINING, AND OTHER IMPORTANT ASPECTS OF USE.

-----SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES -----

APPEARANCE:

PHYSICAL STATE: LIQUID.

COLOR: NOT AVAILABLE.

ODOR: NOT AVAILABLE.

ODOR THRESHOLD: NOT AVAILABLE.

PH: NOT AVAILABLE.

MELTING POINT/FREEZING POINT: NOT AVAILABLE.

BOILING POINT/BOILING RANGE: NOT AVAILABLE.

FLASH POINT:
CLOSED CUP: -29 DEG. C (-20.2 DEG. F) [PENSKY-MARTENS CLOSED CUP]

EVAPORATION RATE: 5.6 (BUTYL ACETATE = 1)

FLAMMABILITY (SOLID, GAS): NOT AVAILABLE.

LOWER AND UPPER EXPLOSIVE (FLAMMABLE) LIMITS:
LOWER: 1%
UPPER: 15.3%

VAPOR PRESSURE: 101.3 KPA (760 MMHg) [AT 20 DEG. C]

VAPOR DENSITY: 1.55 [AIR = 1]



RELATIVE DENSITY: 0.73

SOLUBILITY: NOT AVAILABLE.

PARTITION COEFFICIENT N-OCTANOL/WATER: NOT AVAILABLE.

AUTO-IGNITION TEMPERATURE: NOT AVAILABLE.

DECOMPOSITION TEMPERATURE: NOT AVAILABLE.

VISCOSITY:
KINEMATIC (40 DEG. C (104 DEG. F)): <0.205 CM2/S (<20.5 CST)

MOLECULAR WEIGHT: NOT APPLICABLE.

AEROSOL PRODUCT:
TYPE OF AEROSOL: SPRAY
HEAT OF COMBUSTION: 30.886 KJ/G

-----SECTION 10. STABILITY AND REACTIVITY -----

REACTIVITY:
NO SPECIFIC TEST DATA RELATED TO REACTIVITY AVAILABLE FOR THIS PRODUCT OR ITS INGREDIENTS.

CHEMICAL STABILITY: THE PRODUCT IS STABLE.

POSSIBILITY OF HAZARDOUS REACTIONS:
UNDER NORMAL CONDITIONS OF STORAGE AND USE, HAZARDOUS REACTIONS WILL NOT OCCUR.

CONDITIONS TO AVOID:
AVOID ALL POSSIBLE SOURCES OF IGNITION (SPARK OR FLAME).

INCOMPATIBLE MATERIALS: NO SPECIFIC DATA.

HAZARDOUS DECOMPOSITION PRODUCTS:
UNDER NORMAL CONDITIONS OF STORAGE AND USE, HAZARDOUS DECOMPOSITION PRODUCTS SHOULD NOT BE PRODUCED.

-----SECTION 11. TOXICOLOGICAL INFORMATION -----

INFORMATION ON TOXICOLOGICAL EFFECTS:

ACUTE TOXICITY:

PRODUCT/INGREDIENT NAME	RESULT	SPECIES	DOSE	EXPOSURE
ACETONE	LD50 ORAL	RAT	5800 MG/KG	
BUTANE	LC50 INHALATION VAPOR	RAT	658000 MG/M3	4 HOURS
TOLUENE	LC50 INHALATION VAPOR	RAT	49 G/M3	4 HOURS
	LD50 ORAL	RAT	636 MG/KG	
DIACETONE ALCOHOL	LD50 DERMAL	RABBIT	13500 MG/KG	
	LD50 ORAL	RAT	2520 MG/KG	
ETHYLENE GLYCOL	LD50 ORAL	RAT	4700 MG/KG	
METHYL ETHYL KETONE	LD50 DERMAL	RABBIT	6480 MG/KG	
	LD50 ORAL	RAT	2737 MG/KG	
2-METHOXY-1-METHYLETHYL ACETATE	LD50 DERMAL	RABBIT	>5 G/KG	
	LD50 ORAL	RAT	8532 MG/KG	
CELLULOSE NITRATE	LD50 ORAL	RAT	>5 G/KG	
XYLENE, MIXED ISOMERS	LC50 INHALATION GAS.	RAT	5000 PPM	4 HOURS
	LD50 ORAL	RAT	4300 MG/KG	
1-BUTANOL	LC50 INHALATION VAPOR	RAT	24000 MG/M3	4 HOURS
	LD50 DERMAL	RABBIT	3400 MG/KG	
	LD50 ORAL	RAT	790 MG/KG	
ETHYLBENZENE	LD50 DERMAL	RABBIT	>5000 MG/KG	
	LD50 ORAL	RAT	3500 MG/KG	

IRRITATION/CORROSION:

PRODUCT/INGREDIENT NAME	RESULT	SPECIES	SCORE	EXPOSURE	OBSERVATION
ACETONE	EYES - MILD IRRITANT	HUMAN	186300		
	EYES - MILD IRRITANT	RABBIT		10 UL	

	EYES - MODERATE IRRITANT	RABBIT		24 HOURS	20 MG
	EYES - SEVERE IRRITANT	RABBIT			20 MG
	SKIN - MILD IRRITANT	RABBIT		24 HOURS	500 MG
	SKIN - MILD IRRITANT	RABBIT			395 MG
TOLUENE	EYES - MILD IRRITANT	RABBIT		0.5 MINUTES	100 MG
	EYES - MILD IRRITANT	RABBIT			870 UG
	EYES - SEVERE IRRITANT	RABBIT		24 HOURS	2 MG
	SKIN - MILD IRRITANT	PIG		24 HOURS	250 UL
	SKIN - MILD IRRITANT	RABBIT			435 MG
	SKIN - MODERATE IRRITANT	RABBIT		24 HOURS	20 MG
	SKIN - MODERATE IRRITANT	RABBIT			500 MG

DIACETONE ALCOHOL	EYES - SEVERE IRRITANT	RABBIT			20 MG
	EYES - SEVERE IRRITANT	RABBIT		24 HOURS	100 UL
	SKIN - MILD IRRITANT	RABBIT			500 MG
ETHYLENE GLYCOL	EYES - MILD IRRITANT	RABBIT		24 HOURS	500 MG
	EYES - MILD IRRITANT	RABBIT		1 HOURS	100 MG
	EYES - MODERATE IRRITANT	RABBIT		6 HOURS	1440 MG
	SKIN - MILD IRRITANT	RABBIT			555 MG
METHYL ETHYL KETONE	SKIN - MILD IRRITANT	RABBIT		24 HOURS	14 MG
	SKIN - MODERATE IRRITANT	RABBIT		24 HOURS	500 MG
XYLENE, MIXED ISOMERS	EYES - MILD IRRITANT	RABBIT			87 MG
	EYES - SEVERE IRRITANT	RABBIT		24 HOURS	5 MG
	SKIN - MILD IRRITANT	RAT		8 HOURS	60 UL
	SKIN - MODERATE IRRITANT	RABBIT		24 HOURS	500 MG
	SKIN - MODERATE IRRITANT	RABBIT			100 %
1-BUTANOL	EYES - SEVERE IRRITANT	RABBIT		24 HOURS	2 MG
	EYES - SEVERE IRRITANT	RABBIT			0.005 ML
	SKIN - MODERATE IRRITANT	RABBIT		24 HOURS	20 MG
ETHYLBENZENE	EYES - SEVERE IRRITANT	RABBIT			500 MG
	SKIN - MILD IRRITANT	RABBIT		24 HOURS	15 MG



SENSITIZATION: NOT AVAILABLE.

MUTAGENICITY: NOT AVAILABLE.

CARCINOGENICITY: NOT AVAILABLE.

CLASSIFICATION:

PRODUCT/INGREDIENT NAME OSHA IARC NTP

TOLUENE 3

XYLENE, MIXED ISOMERS 3

ETHYLBENZENE 2B

REPRODUCTIVE TOXICITY: NOT AVAILABLE.

TERATOGENICITY: NOT AVAILABLE.

SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE):

NAME CATEGORY ROUTE OF EXPOSURE TARGET ORGANS
ACETONE CATEGORY 3 NOT APPLICABLE. NARCOTIC EFFECTS

CATEGORY 3 NOT APPLICABLE. RESPIRATORY TRACT IRRITATION

PROPANE CATEGORY 3 NOT APPLICABLE. NARCOTIC EFFECTS

CATEGORY 3 NOT APPLICABLE. RESPIRATORY TRACT IRRITATION

BUTANE CATEGORY 3 NOT APPLICABLE. NARCOTIC EFFECTS

CATEGORY 3 NOT APPLICABLE. RESPIRATORY TRACT IRRITATION

TOLUENE CATEGORY 3 NOT APPLICABLE. NARCOTIC EFFECTS

CATEGORY 3 NOT APPLICABLE. RESPIRATORY TRACT IRRITATION

DIACETONE ALCOHOL CATEGORY 3 NOT APPLICABLE. NARCOTIC EFFECTS

CATEGORY 3 NOT APPLICABLE. RESPIRATORY TRACT IRRITATION

ETHYLENE GLYCOL CATEGORY 3 NOT APPLICABLE. NARCOTIC EFFECTS

CATEGORY 3 NOT APPLICABLE. RESPIRATORY TRACT IRRITATION

METHYL ETHYL KETONE CATEGORY 3 NOT APPLICABLE. NARCOTIC EFFECTS

CATEGORY 3 NOT APPLICABLE. RESPIRATORY TRACT IRRITATION

2-METHOXY-1-METHYLETHYL ACETATE CATEGORY 3 NOT APPLICABLE. NARCOTIC EFFECTS

XYLENE, MIXED ISOMERS CATEGORY 3 NOT APPLICABLE. RESPIRATORY TRACT IRRITATION

1-BUTANOL CATEGORY 3 NOT APPLICABLE. NARCOTIC EFFECTS

CATEGORY 3 NOT APPLICABLE. RESPIRATORY TRACT IRRITATION

MED. ALIPHATIC HYDROCARBON SOLVENT CATEGORY 3 NOT APPLICABLE. NARCOTIC EFFECTS

CATEGORY 3 NOT APPLICABLE. RESPIRATORY TRACT IRRITATION

ETHYLBENZENE CATEGORY 3 NOT APPLICABLE. NARCOTIC EFFECTS

CATEGORY 3 NOT APPLICABLE. RESPIRATORY TRACT IRRITATION

SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE):

NAME CATEGORY ROUTE OF EXPOSURE TARGET ORGANS

ACETONE CATEGORY 2 NOT DETERMINED NOT DETERMINED

PROPANE CATEGORY 2 NOT DETERMINED NOT DETERMINED

BUTANE CATEGORY 2 NOT DETERMINED NOT DETERMINED

TOLUENE CATEGORY 2 NOT DETERMINED NOT DETERMINED

DIACETONE ALCOHOL CATEGORY 2 NOT DETERMINED NOT DETERMINED

ETHYLENE GLYCOL CATEGORY 2 NOT DETERMINED NOT DETERMINED

METHYL ETHYL KETONE CATEGORY 2 NOT DETERMINED NOT DETERMINED

XYLENE, MIXED ISOMERS CATEGORY 2 NOT DETERMINED NOT DETERMINED

1-BUTANOL CATEGORY 2 NOT DETERMINED NOT DETERMINED

MED. ALIPHATIC HYDROCARBON SOLVENT CATEGORY 1 NOT DETERMINED NOT DETERMINED

ETHYLBENZENE CATEGORY 2 NOT DETERMINED NOT DETERMINED

ASPIRATION HAZARD:

NAME RESULT

PROPANE ASPIRATION HAZARD - CATEGORY 1

BUTANE ASPIRATION HAZARD - CATEGORY 1

TOLUENE ASPIRATION HAZARD - CATEGORY 1

XYLENE, MIXED ISOMERS ASPIRATION HAZARD - CATEGORY 1

MED. ALIPHATIC HYDROCARBON SOLVENT ASPIRATION HAZARD - CATEGORY 1

ETHYLBENZENE ASPIRATION HAZARD - CATEGORY 1

INFORMATION ON THE LIKELY ROUTES OF EXPOSURE: NOT AVAILABLE.

POTENTIAL ACUTE HEALTH EFFECTS:

EYE CONTACT: CAUSES SERIOUS EYE IRRITATION.

INHALATION: CAN CAUSE CENTRAL NERVOUS SYSTEM (CNS) DEPRESSION. MAY CAUSE DROWSINESS OR DIZZINESS. MAY CAUSE RESPIRATORY IRRITATION.

SKIN CONTACT: CAUSES SKIN IRRITATION.

INGESTION: CAN CAUSE CENTRAL NERVOUS SYSTEM (CNS) DEPRESSION. MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS.

SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS:

EYE CONTACT: ADVERSE SYMPTOMS MAY INCLUDE THE FOLLOWING: PAIN OR IRRITATION WATERING REDNESS

INHALATION: ADVERSE SYMPTOMS MAY INCLUDE THE FOLLOWING: RESPIRATORY TRACT IRRITATION COUGHING NAUSEA OR VOMITING HEADACHE DROWSINESS/FATIGUE DIZZINESS/VERTIGO UNCONSCIOUSNESS REDUCED FETAL WEIGHT INCREASE IN FETAL DEATHS SKELETAL MALFORMATIONS

SKIN CONTACT: ADVERSE SYMPTOMS MAY INCLUDE THE FOLLOWING: IRRITATION REDNESS REDUCED FETAL WEIGHT INCREASE IN FETAL DEATHS SKELETAL MALFORMATIONS

INGESTION: ADVERSE SYMPTOMS MAY INCLUDE THE FOLLOWING: NAUSEA OR VOMITING REDUCED FETAL WEIGHT INCREASE IN FETAL DEATHS SKELETAL MALFORMATIONS

DELAYED AND IMMEDIATE EFFECTS AND ALSO CHRONIC EFFECTS FROM SHORT AND LONG TERM EXPOSURE:

SHORT TERM EXPOSURE: POTENTIAL IMMEDIATE EFFECTS: NOT AVAILABLE. POTENTIAL DELAYED EFFECTS: NOT AVAILABLE.

LONG TERM EXPOSURE: POTENTIAL IMMEDIATE EFFECTS: NOT AVAILABLE. POTENTIAL DELAYED EFFECTS: NOT AVAILABLE.

POTENTIAL CHRONIC HEALTH EFFECTS: NOT AVAILABLE.

GENERAL: MAY CAUSE DAMAGE TO ORGANS THROUGH PROLONGED OR REPEATED EXPOSURE.

CARCINOGENICITY: SUSPECTED OF CAUSING CANCER. RISK OF CANCER DEPENDS ON DURATION AND LEVEL OF EXPOSURE.

MUTAGENICITY: NO KNOWN SIGNIFICANT EFFECTS OR CRITICAL HAZARDS.

TERATOGENICITY: SUSPECTED OF DAMAGING THE UNBORN CHILD.

DEVELOPMENTAL EFFECTS: NO KNOWN SIGNIFICANT EFFECTS OR CRITICAL HAZARDS.

FERTILITY EFFECTS: SUSPECTED OF DAMAGING FERTILITY.

NUMERICAL MEASURES OF TOXICITY:

ACUTE TOXICITY ESTIMATES:

ROUTE ATE VALUE

ORAL 4211.73 MG/KG

DERMAL 47773.49 MG/KG

INHALATION (GASES) 281236.21 PPM



-----SECTION 12. ECOLOGICAL INFORMATION -----

TOXICITY:	PRODUCT/INGREDIENT NAME	RESULT	SPECIES	EXPOSURE
	ACETONE	ACUTE EC50 7200000 (MICRO)G/L FRESH WATER	ALGAE - SELENASTRUM SP.	96 HOURS
		ACUTE LC50 6000000 (MICRO)G/L FRESH WATER	CRUSTACEANS - GAMMARUS PULEX	48 HOURS
		ACUTE LC50 6900 (MICRO)G/L FRESH WATER	DAPHNIA - DAPHNIA MAGNA	48 HOURS
		ACUTE LC50 5600 PPM FRESH WATER	FISH - POECILIA RETICULATA	96 HOURS
		CHRONIC NOEC 4.95 (MICRO)G/L MARINE WATER	ALGAE - ULVA PERTUSA	96 HOURS
		CHRONIC NOEC 0.016 (MICRO)G/L FRESH WATER	CRUSTACEANS - DAPHNIIDAE	21 DAYS
		CHRONIC NOEC 0.1 (MICRO)G/L FRESH WATER	DAPHNIA - DAPHNIA MAGNA - NEONATE	21 DAYS
		CHRONIC NOEC 5 (MICRO)G/L MARINE WATER	FISH - GASTEROSTEUS ACULEATUS - LARVAE	42 DAYS
	TOLUENE	ACUTE EC50 12500 (MICRO)G/L FRESH WATER	ALGAE - PSEUDOKIRCHNERIELLA SUBCAPITATA	72 HOURS
		ACUTE EC50 11600 (MICRO)G/L FRESH WATER	CRUSTACEANS - GAMMARUS PSEUDOLIMNAEUS - ADULT	48 HOURS
		ACUTE EC50 6000 (MICRO)G/L FRESH WATER	DAPHNIA - DAPHNIA MAGNA - JUVENILE (FLEDGLING, HATCHLING, WEANLING)	48 HOURS
		ACUTE LC50 5500 (MICRO)G/L FRESH WATER	FISH - ONCORHYNCHUS KISUTCH - FRY	96 HOURS
		CHRONIC NOEC 1000 (MICRO)G/L FRESH WATER	DAPHNIA - DAPHNIA MAGNA	21 DAYS
	DIACETONE ALCOHOL	ACUTE LC50 4200000 (MICRO)G/L MARINE WATER	FISH - MENIDIA BERYLLINA	96 HOURS
	ETHYLENE GLYCOL	ACUTE LC50 6900000 (MICRO)G/L FRESH WATER	CRUSTACEANS - CERIODAPHNIA DUBIA - NEONATE	48 HOURS
		ACUTE LC50 41000000 (MICRO)G/L FRESH WATER	DAPHNIA - DAPHNIA MAGNA - NEONATE	48 HOURS
		ACUTE LC50 8050000 (MICRO)G/L FRESH WATER	FISH - PIMEPHALES PROMELAS	96 HOURS
	METHYL ETHYL KETONE	ACUTE EC50 >500000 (MICRO)G/L MARINE WATER	ALGAE - SKELETONEMA COSTATUM	96 HOURS
		ACUTE EC50 5091000 (MICRO)G/L FRESH WATER	DAPHNIA - DAPHNIA MAGNA - LARVAE	48 HOURS
		ACUTE LC50 3220000 (MICRO)G/L FRESH WATER	FISH - PIMEPHALES PROMELAS	96 HOURS
	CELLULOSE NITRATE	ACUTE EC50 579000 (MICRO)G/L FRESH WATER	ALGAE - PSEUDOKIRCHNERIELLA SUBCAPITATA	96 HOURS
	XYLENE, MIXED ISOMERS	ACUTE LC50 8500 (MICRO)G/L MARINE WATER	CRUSTACEANS - PALAEMONETES PUGIO	48 HOURS
		ACUTE LC50 13400 (MICRO)G/L FRESH WATER	FISH - PIMEPHALES PROMELAS	96 HOURS
	1-BUTANOL	ACUTE EC50 1983 (MICRO)G/L FRESH WATER	DAPHNIA - DAPHNIA MAGNA	48 HOURS
		ACUTE LC50 1730000 (MICRO)G/L FRESH WATER	FISH - PIMEPHALES PROMELAS	96 HOURS
	ETHYLBENZENE	ACUTE EC50 4600 (MICRO)G/L FRESH WATER	ALGAE - PSEUDOKIRCHNERIELLA SUBCAPITATA	72 HOURS

ACUTE EC50 3600 (MICRO)G/L FRESH WATER	ALGAE - PSEUDOKIRCHNERIELLA SUBCAPITATA	96 HOURS
ACUTE EC50 6.53 (MICRO)G/L MARINE WATER	CRUSTACEANS - ARTEMIA SP. - NAUPLII	48 HOURS
ACUTE EC50 2.93 (MICRO)G/L FRESH WATER	DAPHNIA - DAPHNIA MAGNA - NEONATE	48 HOURS
ACUTE LC50 4200 (MICRO)G/L FRESH WATER	FISH - ONCORHYNCHUS MYKISS	96 HOURS

PERSISTENCE AND DEGRADABILITY:

PRODUCT/INGREDIENT NAME AQUATIC HALF-LIFE PHOTOLYSIS BIODEGRADABILITY

ACETONE	READILY
TOLUENE	READILY
ETHYLENE GLYCOL	READILY
METHYL ETHYL KETONE	READILY
XYLENE, MIXED ISOMERS	READILY
1-BUTANOL	READILY
ETHYLBENZENE	READILY

BIOACCUMULATIVE POTENTIAL:

PRODUCT/INGREDIENT NAME	LOGPOW	BCF	POTENTIAL
TOLUENE	90	LOW	
XYLENE, MIXED ISOMERS	8.1 TO 25.9	LOW	

MOBILITY IN SOIL:
SOIL/WATER PARTITION COEFFICIENT (KOC): NOT AVAILABLE.

OTHER ADVERSE EFFECTS: NO KNOWN SIGNIFICANT EFFECTS OR CRITICAL HAZARDS.

-----SECTION 13. DISPOSAL CONSIDERATIONS -----

DISPOSAL METHODS:
THE GENERATION OF WASTE SHOULD BE AVOIDED OR MINIMIZED WHEREVER POSSIBLE. DISPOSAL OF THIS PRODUCT, SOLUTIONS AND ANY BY-PRODUCTS SHOULD AT ALL TIMES COMPLY WITH THE REQUIREMENTS OF ENVIRONMENTAL PROTECTION AND WASTE DISPOSAL LEGISLATION AND ANY REGIONAL LOCAL AUTHORITY REQUIREMENTS. DISPOSE OF SURPLUS AND NON-RECYCLABLE PRODUCTS VIA A LICENSED WASTE DISPOSAL CONTRACTOR. WASTE SHOULD NOT BE DISPOSED OF UNTREATED TO THE SEWER UNLESS FULLY COMPLIANT WITH THE REQUIREMENTS OF ALL AUTHORITIES WITH JURISDICTION. WASTE PACKAGING SHOULD BE RECYCLED. INCINERATION OR LANDFILL SHOULD ONLY BE CONSIDERED WHEN RECYCLING IS NOT FEASIBLE. THIS MATERIAL AND ITS CONTAINER MUST BE DISPOSED OF IN A SAFE WAY. EMPTY CONTAINERS OR LINERS MAY RETAIN SOME PRODUCT RESIDUES. DO NOT PUNCTURE OR INCINERATE CONTAINER.

-----SECTION 14. TRANSPORT INFORMATION -----

DOT CLASSIFICATION	TDG CLASSIFICATION	MEXICO CLASSIFICATION	CLASSIFICATION
UN NUMBER	UN1950	UN1950	UN1950
UN PROPER SHIPPING NAME	AEROSOLS	AEROSOLS	AEROSOLS
TRANSPORT HAZARD CLASS(ES)	2.1	2.1	2.1
	FLAMMABLE GAS, CLASS/DIVISION 2.1	CLASS 2.1, FLAMMABLE GASES	CLASS 2.1, FLAMMABLE GASES
PACKING GROUP			
ENVIRONMENTAL HAZARDS	NO.	NO.	NO.
ADDITIONAL INFORMATION	PRODUCT CLASSIFIED AS PER THE FOLLOWING SECTIONS OF THE TRANSPORTATION OF DANGEROUS GOODS REGULATIONS: 2, 13-2.17 (CLASS 2).		
	ERG NO.: 126	ERG NO.: 126	ERG NO.: 126
	IATA	IMDG	
UN NUMBER	UN1950	UN1950	
UN PROPER SHIPPING NAME	AEROSOLS, FLAMMABLE	AEROSOLS	
TRANSPORT HAZARD CLASS(ES)	2.1	2.1	
	CLASS 2.1,	CLASS 2.1 - FLAMMABLE	



FLAMMABLE GASES GASES

SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) CALCULATION METHOD (NARCOTIC EFFECTS): CATEGORY 3

PACKING GROUP

SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE): CATEGORY 2 CALCULATION METHOD

ENVIRONMENTAL HAZARDS NO. NO.

ASPIRATION HAZARD: CATEGORY 1 CALCULATION METHOD

ADDITIONAL INFORMATION EMERGENCY SCHEDULES (EMS): F-D, S-U

HISTORY:

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VERSION: 12

KEY TO ABBREVIATIONS:

ATE = ACUTE TOXICITY ESTIMATE

BCF = BIOCONCENTRATION FACTOR

GHS = GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION AND LABELLING OF CHEMICALS

IATA = INTERNATIONAL AIR TRANSPORT ASSOCIATION

IBC = INTERMEDIATE BULK CONTAINER

IMDG = INTERNATIONAL MARITIME DANGEROUS GOODS

LOGPOW = LOGARITHM OF THE OCTANOL/WATER PARTITION COEFFICIENT

MARPOL = INTERNATIONAL CONVENTION FOR THE PREVENTION OF POLLUTION FROM SHIPS, 1973 AS MODIFIED BY THE PROTOCOL OF 1978. ("MARPOL" = MARINE POLLUTION)

N/A = NOT AVAILABLE

SGG = SEGREGATION GROUP

UN = UNITED NATIONS

| INDICATES INFORMATION THAT HAS CHANGED FROM PREVIOUSLY ISSUED VERSION.

NOTICE TO READER: IT IS RECOMMENDED THAT EACH CUSTOMER OR RECIPIENT OF THIS SAFETY DATA SHEET (SDS) STUDY IT CAREFULLY AND CONSULT RESOURCES, AS NECESSARY OR APPROPRIATE, TO BECOME AWARE OF AND UNDERSTAND THE DATA CONTAINED IN THIS SDS AND ANY HAZARDS ASSOCIATED WITH THE PRODUCT. THIS INFORMATION IS 1D272

SHW-85-NA-GHS-US

-----SECTION 15. REGULATORY INFORMATION -----

SARA 313: SARA 313 (40 CFR 372.45) SUPPLIER NOTIFICATION CAN BE FOUND ON THE ENVIRONMENTAL DATA SHEET.

CALIFORNIA PROP. 65:

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

INTERNATIONAL REGULATIONS:

INTERNATIONAL LISTS:

AUSTRALIA INVENTORY (AICS): NOT DETERMINED.

CHINA INVENTORY (IECSC): NOT DETERMINED.

JAPAN INVENTORY (ENCs): NOT DETERMINED.

JAPAN INVENTORY (ISHL): NOT DETERMINED.

KOREA INVENTORY (KECI): NOT DETERMINED.

NEW ZEALAND INVENTORY OF CHEMICALS (NZIOC): NOT DETERMINED.

PHILIPPINES INVENTORY (PICCS): NOT DETERMINED.

TAIWAN CHEMICAL SUBSTANCES INVENTORY (TCSI): NOT DETERMINED.

THAILAND INVENTORY: NOT DETERMINED.

TURKEY INVENTORY: NOT DETERMINED.

VIETNAM INVENTORY: NOT DETERMINED.

-----SECTION 16. OTHER INFORMATION -----

HAZARDOUS MATERIAL INFORMATION SYSTEM (U.S.A.):

HEALTH 3*
FLAMMABILITY 4
PHYSICAL HAZARDS 3

THE CUSTOMER IS RESPONSIBLE FOR DETERMINING THE PPE CODE FOR THIS MATERIAL. FOR MORE INFORMATION ON HMIS(R*) PERSONAL PROTECTIVE EQUIPMENT (PPE) CODES, CONSULT THE HMIS(R*) IMPLEMENTATION MANUAL.

CAUTION: HMIS(R*) RATINGS ARE BASED ON A 0-4 RATING SCALE, WITH 0 REPRESENTING MINIMAL HAZARDS OR RISKS, AND 4 REPRESENTING SIGNIFICANT HAZARDS OR RISKS. ALTHOUGH HMIS(R*) RATINGS AND THE ASSOCIATED LABEL ARE NOT REQUIRED ON 1D272

PROCEDURE USED TO DERIVE THE CLASSIFICATION:

CLASSIFICATION	JUSTIFICATION
FLAMMABLE AEROSOLS: CATEGORY 1	ON BASIS OF TEST DATA
GASES UNDER PRESSURE: COMPRESSED GAS	CALCULATION METHOD
SKIN CORROSION/IRRITATION: CATEGORY 2	CALCULATION METHOD
SERIOUS EYE DAMAGE/ EYE IRRITATION: CATEGORY 2A	CALCULATION METHOD
CARCINOGENICITY: CATEGORY 2	CALCULATION METHOD
TOXIC TO REPRODUCTION (FERTILITY): CATEGORY 2	CALCULATION METHOD
TOXIC TO REPRODUCTION (UNBORN CHILD): CATEGORY 2	CALCULATION METHOD
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (RESPIRATORY TRACT IRRITATION): CATEGORY 3	CALCULATION METHOD

