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S A F E T Y D A T A S H E E T

SECTION 1. CHEMICAL IDENTIFICATION

CATALOG #:	49481
NAME:	Phenol - Chloroform - Isoamyl alcohol mixture (25:24:1) pH 8.0
24 HOUR EMERGENCY TELEPHONE:	(800) 535-5053(USA) 352-323-3500 (INTERNATIONAL)
TO REQUEST AN MSDS:	(800) 869-9290
CUSTOMER SERVICE:	(630) 766-2112

SECTION 2. HAZARDS IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

GHS CLASSIFICATION IN ACCORDANCE WITH 29 CFR 1910 (OSHA HCS)

FLAMMABLE LIQUIDS, (CATEGORY 4), H227
ACUTE TOXICITY, ORAL (CATEGORY 3), H301
ACUTE TOXICITY, INHALATION (CATEGORY 3), H331
ACUTE TOXICITY, DERMAL (CATEGORY 4), H312
SKIN CORROSION, (SUB-CATEGORY 1B), H314
SERIOUS EYE DAMAGE (CATEGORY 1), H318
GERM CELL MUTAGENICITY (CATEGORY 2), H341
CARCINOGENICITY (CATEGORY 2), H351
REPRODUCTIVE TOXICITY (CATEGORY 2), H361

SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (CATEGORY 3), CENTRAL NERVOUS SYSTEM, H336

SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE, ORAL (CATEGORY 1), LIVER, KIDNEY, H372

SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE, (CATEGORY 2), NERVOUS SYSTEM, KIDNEY, LIVER, SKIN, H373

SHORT-TERM (ACUTE) AQUATIC HAZARD (CATEGORY 2), H401

LONG-TERM (CHRONIC) AQUATIC HAZARD (CATEGORY 2), H411

FOR THE FULL TEXT OF THE H-STATEMENTS MENTIONED IN THIS SECTION, SEE SECTION 16.

**GHS LABEL ELEMENTS, INCLUDING PRECAUTIONARY STATEMENTS
PICTOGRAM**



SIGNAL WORD DANGER

HAZARD STATEMENT(S)

H227	COMBUSTIBLE LIQUID.
H301 + H331	TOXIC IF SWALLOWED OR IF INHALED.
H312	HARMFUL IN CONTACT WITH SKIN.
H314	CAUSES SEVERE SKIN BURNS AND EYE DAMAGE.
H336	MAY CAUSE DROWSINESS OR DIZZINESS.
H341	SUSPECTED OF CAUSING GENETIC DEFECTS.
H351	SUSPECTED OF CAUSING CANCER.
H361	SUSPECTED OF DAMAGING FERTILITY OR THE UNBORN CHILD.
H372	CAUSES DAMAGE TO ORGANS (THYMUS GLAND) THROUGH PROLONGED OR REPEATED EXPOSURE IF SWALLOWED.
H373	MAY CAUSE DAMAGE TO ORGANS (NERVOUS SYSTEM, KIDNEY, LIVER, SKIN) THROUGH PROLONGED OR REPEATED EXPOSURE.
H411	TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS.

PRECAUTIONARY STATEMENT(S)

P201	OBTAIN SPECIAL INSTRUCTIONS BEFORE USE.
P202	DO NOT HANDLE UNTIL ALL SAFETY PRECAUTIONS HAVE BEEN READ AND UNDERSTOOD.
P210	KEEP AWAY FROM HEAT, HOT SURFACES, SPARKS, OPEN FLAMES AND OTHER IGNITION SOURCES. NO SMOKING. P260
	DO NOT BREATHE MIST OR VAPOURS.
P260	DO NOT BREATHE DUST/ FUME/ GAS/ MIST/ VAPOURS/ SPRAY.
P264	WASH SKIN THOROUGHLY AFTER HANDLING.
P270	DO NOT EAT, DRINK OR SMOKE WHEN USING THIS

	PRODUCT.
P271	USE ONLY OUTDOORS OR IN A WELL-VENTILATED AREA.
P273	AVOID RELEASE TO THE ENVIRONMENT
P280	WEAR PROTECTIVE GLOVES/ PROTECTIVE CLOTHING/ EYE PROTECTION/ FACE PROTECTION.
P281	USE PERSONAL PROTECTIVE EQUIPMENT AS REQUIRED.
P301 + P310 + P330	IF SWALLOWED: IMMEDIATELY CALL A POISON CENTER/DOCTOR. RINSE MOUTH.
P301 + P330 + P331 + P310	IF SWALLOWED: RINSE MOUTH. DO NOT INDUCE VOMITING. IMMEDIATELY CALL A POISON CENTER/ DOCTOR.
P303 + P361 + P353	IF ON SKIN (OR HAIR): TAKE OFF IMMEDIATELY ALL CONTAMINATED CLOTHING. RINSE SKIN WITH WATER/ SHOWER
P304 + P340 + P310	IF INHALED: REMOVE PERSON TO FRESH AIR AND KEEP COMFORTABLE FOR BREATHING. IMMEDIATELY CALL A POISON CENTER/ DOCTOR.
P305 + P351 + P338 + P310	IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING. IMMEDIATELY CALL A POISON CENTER/ DOCTOR.
P308 + P313	IF EXPOSED OR CONCERNED: GET MEDICAL ADVICE/ ATTENTION.
P362 + P364	TAKE OFF CONTAMINATED CLOTHING AND WASH IT BEFORE REUSE.
P370 + P378	IN CASE OF FIRE: USE DRY SAND, DRY CHEMICAL OR ALCOHOL-RESISTANT FOAM TO EXTINGUISH.
P391	COLLECT SPILLAGE.
P403 + P233	STORE IN A WELL-VENTILATED PLACE. KEEP CONTAINER TIGHTLY CLOSED.
P405	STORE LOCKED UP.
P501	DISPOSE OF CONTENTS/ CONTAINER TO AN APPROVED WASTE DISPOSAL PLANT.
HAZARDS NOT OTHERWISE CLASSIFIED (HNOC) OR NOT COVERED BY GHS	NONE

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

SUBSTANCE / MIXTURE MIXTURE

CAS-NO. 136112-00-0

HAZARDOUS COMPONENTS

COMPONENT	CAS-NO.	CONCENTRATION
PHENOL	108-95-2	>= 30 - <= 60
CHLOROFORM	67-66-3	>= 30 - <= 60
ISOAMYL ALCOHOL	123-51-3	>= 1 - <= 5

FOR THE FULL TEXT OF THE H-STATEMENTS MENTIONED IN THIS SECTION, SEE SECTION 16.

SECTION 4. FIRST-AID MEASURES

DESCRIPTION OF FIRST AID MEASURES

GENERAL ADVICE	FIRST AIDERS NEED TO PROTECT THEMSELVES. SHOW THIS SAFETY DATA SHEET TO THE DOCTOR IN ATTENDANCE.
IF INHALED	AFTER INHALATION: FRESH AIR. IMMEDIATELY CALL IN PHYSICIAN. IF BREATHING STOPS: IMMEDIATELY APPLY ARTIFICIAL RESPIRATION, IF NECESSARY ALSO OXYGEN.
IN CASE OF SKIN CONTACT	AFTER CONTACT WITH SKIN: RINSE OUT WITH POLYETHYLENE GLYCOL 400 OR A MIXTURE OF POLYETHYLENE GLYCOL 300/ETHANOL 2:1 AND WASH WITH PLENTY OF WATER. IF NEITHER IS AVAILABLE WASH WITH PLENTY OF WATER. IMMEDIATELY TAKE OFF CONTAMINATED CLOTHING. CALL A PHYSICIAN IMMEDIATELY.
IN CASE OF EYE CONTACT	AFTER EYE CONTACT: RINSE OUT WITH PLENTY OF WATER. IMMEDIATELY CALL IN OPHTHALMOLOGIST. REMOVE CONTACT LENSES.
IF SWALLOWED	IF SWALLOWED: GIVE WATER TO DRINK (TWO GLASSES AT MOST). SEEK MEDICAL ADVICE IMMEDIATELY. IN EXCEPTIONAL CASES ONLY, IF MEDICAL CARE IS NOT AVAILABLE WITHIN ONE HOUR, INDUCE VOMITING (ONLY IN PERSONS WHO ARE WIDE AWAKE AND FULLY CONSCIOUS), ADMINISTER ACTIVATED CHARCOAL (20 - 40 G IN A 10% SLURRY) AND CONSULT A DOCTOR AS QUICKLY AS POSSIBLE. DO NOT ATTEMPT TO NEUTRALISE.
MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED	THE MOST IMPORTANT KNOWN SYMPTOMS AND EFFECTS ARE DESCRIBED IN THE LABELLING (SEE SECTION 2.2) AND/OR IN SECTION 11
PROTECTION OF FIRST-AIDERS	FOR PERSONAL PROTECTION SEE SECTION 8.
NOTES TO PHYSICIAN	NO DATA AVAILABLE

SECTION 5. FIRE AND EXPLOSION DATA

EXTINGUISHING MEDIA

**SUITABLE
EXTINGUISHING MEDIA** SUITABLE EXTINGUISHING MEDIA
WATER FOAM CARBON DIOXIDE (CO₂) DRY POWDER

UNSUITABLE EXTINGUISHING MEDIA
FOR THIS SUBSTANCE/MIXTURE NO LIMITATIONS OF
EXTINGUISHING AGENTS ARE GIVEN.

**SPECIFIC HAZARDS
DURING FIRE FIGHTING** COMBUSTIBLE.
VAPOURS ARE HEAVIER THAN AIR AND MAY SPREAD
ALONG FLOORS.
FORMS EXPLOSIVE MIXTURES WITH AIR ON INTENSE
HEATING.
DEVELOPMENT OF HAZARDOUS COMBUSTION GASES
OR VAPOURS POSSIBLE IN THE EVENT OF FIRE.

**HAZARDOUS
COMBUSTION
PRODUCTS** CARBON OXIDES HYDROGEN CHLORIDE GAS

**SPECIFIC
EXTINGUISHING
METHODS** NO DATA AVAILABLE

**FURTHER
INFORMATION** REMOVE CONTAINER FROM DANGER ZONE AND COOL
WITH WATER.
SUPPRESS (KNOCK DOWN) GASES/VAPOURS/MISTS
WITH A WATER SPRAY JET.
PREVENT FIRE EXTINGUISHING WATER FROM
CONTAMINATING SURFACE WATER OR THE GROUND
WATER SYSTEM.

**SPECIAL PROTECTIVE
EQUIPMENT FOR
FIREFIGHTERS** STAY IN DANGER AREA ONLY WITH SELF-CONTAINED
BREATHING APPARATUS. PREVENT SKIN CONTACT BY
KEEPING A SAFE DISTANCE OR BY WEARING SUITABLE
PROTECTIVE CLOTHING.

SECTION 6. ACCIDENTAL RELEASE MEASURES

**PERSONAL
PRECAUTIONS,
PROTECTIVE
EQUIPMENT AND
EMERGENCY
PROCEDURES** ADVICE FOR NON-EMERGENCY PERSONNEL:
DO NOT BREATHE VAPOURS, AEROSOLS.
AVOID SUBSTANCE CONTACT.
ENSURE ADEQUATE VENTILATION.
KEEP AWAY FROM HEAT AND SOURCES OF IGNITION.
EVACUATE THE DANGER AREA, OBSERVE EMERGENCY
PROCEDURES, CONSULT AN EXPERT.
ADVICE FOR EMERGENCY RESPONDERS: FOR

PERSONAL PROTECTION SEE SECTION 8.

**ENVIRONMENTAL
PRECAUTIONS**

DO NOT LET PRODUCT ENTER DRAINS.

**METHODS AND
MATERIALS FOR
CONTAINMENT AND
CLEANING UP**

COVER DRAINS. COLLECT, BIND, AND PUMP OFF SPILLS.
OBSERVE POSSIBLE MATERIAL RESTRICTIONS (SEE
SECTIONS 7 AND 10).
TAKE UP CAREFULLY WITH LIQUID-ABSORBENT
MATERIAL (E.G. CHEMIZORB). DISPOSE OF PROPERLY.
CLEAN UP AFFECTED AREA.

**REFERENCE TO OTHER
SECTIONS**

FOR DISPOSAL SEE SECTION 13.

SECTION 7. HANDLING AND STORAGE

**PRECAUTIONS FOR
SAFE HANDLING**

KEEP AWAY FROM OPEN FLAMES, HOT SURFACES AND
SOURCES OF IGNITION.
TAKE PRECAUTIONARY MEASURES AGAINST STATIC
DISCHARGE.
WORK UNDER HOOD. DO NOT INHALE
SUBSTANCE/MIXTURE. AVOID GENERATION OF
VAPOURS/AEROSOLS.

**CONDITIONS FOR SAFE
STORAGE, INCLUDING
ANY
INCOMPATIBILITIES**

TIGHTLY CLOSED.
KEEP IN A WELL-VENTILATED PLACE.
KEEP LOCKED UP OR IN AN AREA ACCESSIBLE ONLY TO
QUALIFIED OR AUTHORISED PERSONS.

STORE AT 0 - 8 °C

STORAGE CLASS

6.1A, COMBUSTIBLE, ACUTE TOXIC CAT. 1 AND 2 / VERY
TOXIC HAZARDOUS MATERIALS

**FURTHER
INFORMATION ON
STORAGE STABILITY**

AIR AND LIGHT SENSITIVE.
STORE UNDER INERT GAS.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETERS

INGREDIENTS WITH WORKPLACE CONTROL PARAMETERS

COMPONENT	CAS-NO.	VALUE	CONTROL PARAMETERS	BASIS
PHENOL	108-95-2	TWA	5 PPM	ACGIH

		TWA	ACGIH	NIOSH REL
		C	15.6 PPM 60 MG/M3	NIOSH REL
		TWA	5 PPM 19 MG/M3	OSHA Z-1
CHLOROFORM	67-66-3	TWA	10 PPM	ACGIH
		ST	2 PPM 9.78 MG/M3	NIOSH REL
		C	50 PPM 240 MG/M3	OSHA Z-1
ISOAMYL ALCOHOL	123-51-3	TWA	100 PPM	ACGIH
		STEL	125 PPM	ACGIH
		ST	125 PPM 450 MG/M3	NIOSH REL
		TWA	100 PPM 360 MG/M3	NIOSH REL
		TWA	100 PPM 360 MG/M3	OSHA Z-1
		TWA	2 PPM	US WEEL
		STEL	5 PPM	US WEEL

BIOLOGICAL OCCUPATIONAL EXPOSURE LIMITS

COMPONENTS	CAS-NO.	CONTROL PARAMETERS	BIOLOGICAL SPECIMEN	SAMPLING TIME	PERMISSIBLE CONCENTRATION	BASIS
PHENOL	108-95-2	PHENOL	URINE	END OF SHIFT (AS SOON AS POSSIBLE AFTER EXPOSURE CEASES)	250 MG/G CREATININE	ACGIH BEI

EXPOSURE CONTROLS

APPROPRIATE ENGINEERING CONTROLS NO DATA AVAILABLE

PERSONAL PROTECTIVE EQUIPMENT

EYE/FACE PROTECTION USE EQUIPMENT FOR EYE PROTECTION TESTED AND APPROVED UNDER APPROPRIATE GOVERNMENT STANDARDS SUCH AS NIOSH (US) OR EN 166(EU).
TIGHTLY FITTING SAFETY GOGGLES

**SKIN
PROTECTION**

HANDLE WITH GLOVES. GLOVES MUST BE INSPECTED PRIOR TO USE. USE PROPER GLOVE REMOVAL TECHNIQUE (WITHOUT TOUCHING GLOVE'S OUTER SURFACE) TO AVOID SKIN CONTACT WITH THIS PRODUCT. DISPOSE OF CONTAMINATED GLOVES AFTER USE IN ACCORDANCE WITH APPLICABLE LAWS AND GOOD LABORATORY PRACTICES. WASH AND DRY HANDS. IF USED IN SOLUTION, OR MIXED WITH OTHER SUBSTANCES, AND UNDER CONDITIONS WHICH DIFFER FROM EN 374, CONTACT THE SUPPLIER OF THE CE APPROVED GLOVES. THIS RECOMMENDATION IS ADVISORY ONLY AND MUST BE EVALUATED BY AN INDUSTRIAL HYGIENIST AND SAFETY OFFICER FAMILIAR WITH THE SPECIFIC SITUATION OF ANTICIPATED USE BY OUR CUSTOMERS. IT SHOULD NOT BE CONSTRUED AS OFFERING AN APPROVAL FOR ANY SPECIFIC USE SCENARIO.

**BODY
PROTECTION****HAND PROTECTION**

MATERIAL : FLUORINATED RUBBER
BREAK THROUGH TIME : 480 MIN
GLOVE THICKNESS : 0.7 MM
PROTECTIVE INDEX : FULL CONTACT
MANUFACTURER : VITOJECT® (KCL 890, SIZE M)

MATERIAL : FLUORINATED RUBBER
BREAK THROUGH TIME : 480 MIN
GLOVE THICKNESS : 0.7 MM
PROTECTIVE INDEX : SPLASH CONTACT
MANUFACTURER : VITOJECT® (KCL 890, SIZE M)

**RESPIRATORY
PROTECTION**

REQUIRED WHEN VAPOURS/AEROSOLS ARE GENERATED. OUR RECOMMENDATIONS ON FILTERING RESPIRATORY PROTECTION ARE BASED ON THE FOLLOWING STANDARDS: DIN EN 143, DIN 14387 AND OTHER ACCOMPANYING STANDARDS RELATING TO THE USED RESPIRATORY PROTECTION SYSTEM.

RECOMMENDED FILTER TYPE: FILTER TYPE ABEK

THE ENTREPRENEUR HAS TO ENSURE THAT MAINTENANCE, CLEANING AND TESTING OF RESPIRATORY PROTECTIVE DEVICES ARE CARRIED OUT ACCORDING TO THE INSTRUCTIONS OF THE PRODUCER. THESE MEASURES HAVE TO BE PROPERLY DOCUMENTED.

**HYGIENE
MEASURES**

IMMEDIATELY CHANGE CONTAMINATED CLOTHING. APPLY PREVENTIVE SKIN PROTECTION. WASH HANDS AND FACE AFTER WORKING WITH SUBSTANCE.

**CONTROL OF
ENVIRONMENTAL
EXPOSURE**

PREVENT FURTHER LEAKAGE OR SPILLAGE IF SAFE TO DO SO. DO NOT LET PRODUCT ENTER DRAINS. DISCHARGE INTO THE ENVIRONMENT MUST BE AVOIDED.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	CLEAR PALE YELLOW LIQUID
ODOUR	NO DATA AVAILABLE
ODOUR THRESHOLD	NO DATA AVAILABLE
PH	5.0 - 9.0
MELTING	NO DATA AVAILABLE
POINT/FREEZING POINT	
INITIAL BOILING POINT	NO DATA AVAILABLE
AND BOILING RANGE	
FLASH POINT	174 °F / 79 °C
EVAPORATION RATE	NO DATA AVAILABLE
FLAMMABILITY (SOLID, GAS)	NO DATA AVAILABLE
UPPER/LOWER	NO DATA AVAILABLE
FLAMMABILITY OR EXPLOSIVE LIMITS	
VAPOUR PRESSURE	NO DATA AVAILABLE
VAPOUR DENSITY	NO DATA AVAILABLE
RELATIVE DENSITY	1.28 G/CM3 (20 °C)
WATER SOLUBILITY	NO DATA AVAILABLE
PARTITION	NO DATA AVAILABLE
COEFFICIENT: N-OCTANOL/WATER	
AUTO-IGNITION	NO DATA AVAILABLE
TEMPERATURE	
DECOMPOSITION	NO DATA AVAILABLE
TEMPERATURE	
VISCOSITY	NO DATA AVAILABLE
EXPLOSIVE	NOT CLASSIFIED AS EXPLOSIVE.
PROPERTIES	
OXIDIZING PROPERTIES	NO DATA AVAILABLE
OTHER SAFETY INFORMATION	NO DATA AVAILABLE

SECTION 10. STABILITY AND REACTIVITY

REACTIVITY	FORMS EXPLOSIVE MIXTURES WITH AIR ON INTENSE HEATING. A RANGE FROM APPROX. 15 KELVIN BELOW THE FLASH POINT IS TO BE RATED AS CRITICAL.
CHEMICAL STABILITY	THE PRODUCT IS CHEMICALLY STABLE UNDER STANDARD AMBIENT CONDITIONS (ROOM TEMPERATURE).

**POSSIBILITY OF
HAZARDOUS
REACTIONS**

RISK OF EXPLOSION WITH:
AMMONIA
AMINES
NITROGEN OXIDES
BASES
OXYGEN
ALKALI
AMIDES
ORGANIC NITRO COMPOUNDS
STRONG ALKALIS
FLUORINE
PEROXI COMPOUNDS
ALKALINE EARTH METALS
ALKALI METALS
POWDERED METALS
SALTS OF OXYHALOGENIC
ACIDS
NITRITES
NITRATES
PEROXIDES
METHANOL WITH ALCOHOLATES
METHANOL WITH STRONG ALKALIS
IRON IN POWDER FORM
VARIOUS ALLOYS SENSITIVE TO SHOCK
METHANOL WITH SODIUM HYDROXIDE
MAGNESIUM IN POWDER FORM
OXYGEN WITH ALKALI COMPOUNDS
ALUMINIUM IN POWDER FORM
ACETONE WITH ALKALI COMPOUNDS
POTASSIUM SENSITIVE TO SHOCK
SODIUM SENSITIVE TO SHOCK

VIOLENT REACTIONS POSSIBLE WITH:
PHOSPHINES
BIS(DIMETHYLAMINO)DIMETHYL
TIN
NONMETALLIC HYDROGEN COMPOUNDS
POWDERED METALS
LIGHT METALS
KETONES
MINERAL ACIDS
STRONG OXIDIZING AGENTS
SEMIMETALLIC HYDROGEN COMPOUNDS
ALUMINIUM
ALDEHYDES
HALOGENS
HYDROGEN PEROXIDE
IRON(III) COMPOUNDS
OXIDIZING AGENTS
STRONG ACIDS
STRONG BASES
FORMALDEHYDE

**CONDITIONS TO
AVOID**

STRONG HEATING.

**INCOMPATIBLE
MATERIALS**

NO DATA AVAILABLE

**HAZARDOUS
DECOMPOSITION
PRODUCTS**

IN THE EVENT OF FIRE: SEE SECTION 5

SECTION 11. TOXICOLOGICAL INFORMATION

INFORMATION ON TOXICOLOGICAL EFFECTS

MIXTURE

ACUTE TOXICITY

ACUTE TOXICITY ESTIMATE ORAL - 181.04 MG/KG
(CALCULATION METHOD)

SYMPTOMS: IF INGESTED, SEVERE BURNS OF THE
MOUTH AND THROAT, AS WELL AS A DANGER OF
PERFORATION OF THE OESOPHAGUS AND THE
STOMACH.

ACUTE TOXICITY ESTIMATE INHALATION - 4 H - 3 MG/L
- VAPOUR(CALCULATION METHOD)

SYMPTOMS: MUCOSAL IRRITATIONS, COUGH,
SHORTNESS OF BREATH, POSSIBLE DAMAGES:,
DAMAGE OF RESPIRATORY TRACT

ACUTE TOXICITY ESTIMATE DERMAL - 1,320 MG/KG
(CALCULATION METHOD)

NO DATA AVAILABLE

SKIN CORROSION/IRRITATION

NO DATA AVAILABLE

SERIOUS EYE DAMAGE/EYE IRRITATION

REMARKS: MIXTURE CAUSES SERIOUS EYE DAMAGE.
RISK OF BLINDNESS!

RESPIRATORY OR SKIN SENSITISATION

NO DATA AVAILABLE

GERM CELL MUTAGENICITY

NO DATA AVAILABLE

CARCINOGENICITY

IARC:

2B - GROUP 2B: POSSIBLY CARCINOGENIC TO HUMANS
(CHLOROFORM)

NTP:

RAHC - REASONABLY ANTICIPATED TO BE A HUMAN
CARCINOGEN (CHLOROFORM)

OSHA:

NO COMPONENT OF THIS PRODUCT PRESENT AT
LEVELS GREATER THAN OR EQUAL TO 0.1% IS ON
OSHA'S LIST OF REGULATED CARCINOGENS.

REPRODUCTIVE TOXICITY	NO DATA AVAILABLE
SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE	NO DATA AVAILABLE
SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE	NO DATA AVAILABLE
ASPIRATION HAZARD	NO DATA AVAILABLE
ADDITIONAL INFORMATION	MATERIAL IS EXTREMELY DESTRUCTIVE TO TISSUE OF THE MUCOUS MEMBRANES AND UPPER RESPIRATORY TRACT, EYES, AND SKIN., SPASM, INFLAMMATION AND EDEMA OF THE LARYNX, SPASM, INFLAMMATION AND EDEMA OF THE BRONCHI, PNEUMONITIS, PULMONARY EDEMA, BURNING SENSATION, COUGH, WHEEZING, LARYNGITIS, SHORTNESS OF BREATH, HEADACHE, NAUSEA. TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL, PHYSICAL, AND TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED. STOMACH - IRREGULARITIES - BASED ON HUMAN EVIDENCE
COMPONENTS	
PHENOL	
ACUTE TOXICITY	ACUTE TOXICITY ESTIMATE ORAL - 100.1 MG/KG (EXPERT JUDGEMENT) REMARKS: CLASSIFIED ACCORDING TO REGULATION (EU) 1272/2008, ANNEX VI (TABLE 3.1/3.2) ACUTE TOXICITY ESTIMATE INHALATION - 4 H - 0.51 MG/L - DUST/MIST (EXPERT JUDGEMENT) SYMPTOMS: IRRITATION, LUNG OEDEMA REMARKS: CLASSIFIED ACCORDING TO REGULATION (EU) 1272/2008, ANNEX VI (TABLE 3.1/3.2) LD50 DERMAL - RAT - FEMALE - 660 MG/KG (OECD TEST GUIDELINE 402) NO DATA AVAILABLE
SKIN	
CORROSION/IRRITATION	SKIN - IN VITRO STUDY RESULT: CAUSES BURNS. (OECD TEST GUIDELINE 431)

SERIOUS EYE DAMAGE/EYE IRRITATION	EYES – RABBIT RESULT: CORROSIVE (OECD TEST GUIDELINE 405) REMARKS: CAUSES SERIOUS EYE DAMAGE. RISK OF BLINDNESS!
RESPIRATORY OR SKIN SENSITIZATION	SENSITISATION TEST: - GUINEA PIG RESULT: NEGATIVE REMARKS: (IUCLID)
GERM CELL MUTAGENICITY	SUSPECTED OF CAUSING GENETIC DEFECTS. TEST TYPE: MUTAGENICITY (MAMMAL CELL TEST): CHROMOSOME ABERRATION. TEST SYSTEM: CHINESE HAMSTER OVARY CELLS RESULT: POSITIVE TEST TYPE: MUTAGENICITY (MAMMAL CELL TEST): MICRONUCLEUS. TEST SYSTEM: CHINESE HAMSTER OVARY CELLS RESULT: POSITIVE
CARCINOGENICITY	THIS PRODUCT IS OR CONTAINS A COMPONENT THAT IS NOT CLASSIFIABLE AS TO ITS CARCINOGENICITY BASED ON ITS IARC, ACGIH, NTP, OR EPA CLASSIFICATION.
REPRODUCTIVE TOXICITY	NO DATA AVAILABLE
SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE	ACUTE INHALATION TOXICITY - IRRITATION, LUNG OEDEMA
SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE	MAY CAUSE DAMAGE TO ORGANS THROUGH PROLONGED OR REPEATED EXPOSURE. - NERVOUS SYSTEM, KIDNEY, LIVER, SKIN REMARKS: CLASSIFIED ACCORDING TO REGULATION (EU) 1272/2008, ANNEX VI (TABLE 3.1/3.2)
ASPIRATION HAZARD	NO DATA AVAILABLE
CHLOROFORM ACUTE TOXICITY	LD50 ORAL - RAT - MALE - 908 MG/KG (OECD TEST GUIDELINE 401) LC50 INHALATION - RAT - 6 H - 9.17 MG/L – VAPOUR ACUTE TOXICITY ESTIMATE INHALATION - EXPERT JUDGEMENT - 4 H - 3.1 MG/L – VAPOUR DERMAL: NO DATA AVAILABLE NO DATA AVAILABLE

SKIN CORROSION/IRRITATION	SKIN – RABBIT RESULT: IRRITATING TO SKIN. - 24 H REMARKS: (ECHA) REMARKS: DRYING-OUT EFFECT RESULTING IN ROUGH AND CHAPPED SKIN. SKIN – RABBIT RESULT: SLIGHT IRRITATION REMARKS: (IUCLID)
SERIOUS EYE DAMAGE/EYE IRRITATION	EYES – RABBIT RESULT: IRRITATING TO EYES. REMARKS: (ECHA) REMARKS: (REGULATION (EC) NO 1272/2008, ANNEX VI)
RESPIRATORY OR SKIN SENSITIZATION	MAXIMISATION TEST - GUINEA PIG RESULT: NEGATIVE (REGULATION (EC) NO. 440/2008, ANNEX, B.6)
GERM CELL MUTAGENICITY	TEST TYPE: AMES TEST TEST SYSTEM: ESCHERICHIA COLI/SALMONELLA TYPHIMURIUM RESULT: NEGATIVE REMARKS: (ECHA) TEST TYPE: UNSCHEDULED DNA SYNTHESIS ASSAY TEST SYSTEM: LIVER RESULT: NEGATIVE REMARKS: (ECHA) METHOD: OECD TEST GUIDELINE 474 SPECIES: RAT - MALE AND FEMALE - RED BLOOD CELLS (ERYTHROCYTES) RESULT: NEGATIVE METHOD: OECD TEST GUIDELINE 486 SPECIES: RAT - MALE - LIVER CELLS RESULT: NEGATIVE SPECIES: MOUSE – FEMALE RESULT: NEGATIVE REMARKS: (ECHA)
CARCINOGENICITY	SUSPECTED OF CAUSING CANCER.
REPRODUCTIVE TOXICITY	SUSPECTED OF DAMAGING THE UNBORN CHILD.
SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE	MAY CAUSE DROWSINESS OR DIZZINESS.
SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE	CAUSES DAMAGE TO ORGANS THROUGH PROLONGED OR REPEATED EXPOSURE. - LIVER, KIDNEY
ASPIRATION HAZARD	NO DATA AVAILABLE
ISOAMYL ALCOHOL	

ACUTE TOXICITY	NO DATA AVAILABLE ACUTE TOXICITY ESTIMATE INHALATION - 11.1 MG/L – VAPOUR (EXPERT JUDGEMENT) REMARKS: CLASSIFIED ACCORDING TO REGULATION (EU) 1272/2008, ANNEX VI (TABLE 3.1/3.2) INHALATION: NO DATA AVAILABLE DERMAL: REPEATED EXPOSURE MAY CAUSE SKIN DRYNESS OR CRACKING. NO DATA AVAILABLE
SKIN CORROSION/IRRITATION	SKIN – RABBIT RESULT: MODERATE SKIN IRRITATION - 24 H REMARKS: (RTECS)
SERIOUS EYE DAMAGE/EYE IRRITATION	EYES – RABBIT RESULT: RISK OF SERIOUS DAMAGE TO EYES. REMARKS: (EXTERNAL MSDS)
RESPIRATORY OR SKIN SENSITIZATION	NO DATA AVAILABLE
GERM CELL MUTAGENICITY	NO DATA AVAILABLE
CARCINOGENICITY	NO DATA AVAILABLE
REPRODUCTIVE TOXICITY	NO DATA AVAILABLE
SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE	MAY CAUSE RESPIRATORY IRRITATION. - RESPIRATORY SYSTEM REMARKS: CLASSIFIED ACCORDING TO REGULATION (EU) 1272/2008, ANNEX VI (TABLE 3.1/3.2)
SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE	NO DATA AVAILABLE
ASPIRATION HAZARD	NO DATA AVAILABLE

SECTION 12. ECOLOGICAL INFORMATION

**ECOTOXICITY
COMPONENTS
PHENOL**

TOXICITY TO FISH	LC50 (ONCHORHYNCHUS CLARKI): 8.9 MG/L EXPOSURE TIME: 96 H TEST TYPE: FLOW-THROUGH TEST ANALYTICAL MONITORING: YES METHOD: US-EPA
TOXICITY TO DAPHNIA AND OTHER AQUATIC INVERTEBRATES	EC50 (CERIODAPHNIA DUBIA (WATER FLEA)): 3.1 MG/L END POINT: IMMOBILIZATION EXPOSURE TIME: 48 H TEST TYPE: STATIC TEST ANALYTICAL MONITORING: YES METHOD: US-EPA
TOXICITY TO ALGAE/AQUATIC PLANTS	EC50 (PSEUDOKIRCHNERIELLA SUBCAPITATA (ALGAE)): 61.1 MG/L EXPOSURE TIME: 96 H TEST TYPE: STATIC TEST METHOD: US-EPA
TOXICITY TO FISH (CHRONIC TOXICITY)	NOEC (FISH): 0.077 MG/L EXPOSURE TIME: 60 D TEST TYPE: SEMI-STATIC TEST REMARKS: (ECHA)
TOXICITY TO DAPHNIA AND OTHER AQUATIC INVERTEBRATES (CHRONIC TOXICITY)	NOEC (DAPHNIA MAGNA (WATER FLEA)): 0.16 MG/L END POINT: GROWTH INHIBITION EXPOSURE TIME: 16 D TEST TYPE: SEMI-STATIC TEST REMARKS: (ECHA)
TOXICITY TO MICROORGANISMS	IC50 (MICROORGANISMS): 21 MG/L EXPOSURE TIME: 24 H TEST TYPE: STATIC TEST REMARKS: (ECHA)

CHLOROFORM:

TOXICITY TO DAPHNIA AND OTHER AQUATIC INVERTEBRATES	EC50 (CRASSOSTREA GIGAS): 152.5 MG/L EXPOSURE TIME: 48 H TEST TYPE: STATIC TEST ANALYTICAL MONITORING: YES REMARKS: (ECHA)
TOXICITY TO ALGAE/AQUATIC PLANTS	ERC50 (CHLAMYDOMONAS REINHARDTII (GREEN ALGAE)): 13.3 MG/L EXPOSURE TIME: 72 H TEST TYPE: STATIC TEST ANALYTICAL MONITORING: YES REMARKS: (ECHA)
TOXICITY TO DAPHNIA AND OTHER AQUATIC INVERTEBRATES (CHRONIC TOXICITY)	NOEC (DAPHNIA MAGNA (WATER FLEA)): 6.3 MG/L END POINT: REPRODUCTION RATE EXPOSURE TIME: 21 D TEST TYPE: SEMI-STATIC TEST ANALYTICAL MONITORING: YES REMARKS: (ECHA)

ECOTOXICOLOGY ASSESSMENT

CHRONIC AQUATIC TOXICITY	THIS PRODUCT HAS NO KNOWN ECOTOXICOLOGICAL EFFECTS.
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ISOAMYL ALCOHOL:

TOXICITY TO FISH	LC50 (SALMO GAIRDNERI): > 200 MG/L EXPOSURE TIME: 96 H METHOD: OECD TEST GUIDELINE 203 REMARKS: (ECHA)
TOXICITY TO DAPHNIA AND OTHER AQUATIC INVERTEBRATES	EC50 (DAPHNIA MAGNA (WATER FLEA)): > 100 MG/L EXPOSURE TIME: 72 H REMARKS: (ECHA)
TOXICITY TO ALGAE/AQUATIC PLANTS	EC50: > 320 MG/L EXPOSURE TIME: 72 H METHOD: OECD TEST GUIDELINE 201 REMARKS: (ECHA)
TOXICITY TO FISH (CHRONIC TOXICITY)	NOEC (DANIO RERIO; ONCORHYNCHUS MYKISS): 10 MG/L EXPOSURE TIME: 35 D METHOD: OECD TEST GUIDELINE 210 REMARKS: (ECHA)
TOXICITY TO DAPHNIA AND OTHER AQUATIC INVERTEBRATES (CHRONIC TOXICITY)	EC10: 0.3 MG/L EXPOSURE TIME: 21 D METHOD: OECD TEST GUIDELINE 211 REMARKS: (ECHA)
TOXICITY TO MICROORGANISMS	EC10: 370 MG/L EXPOSURE TIME: 3 H METHOD: OECD TEST GUIDELINE 209 REMARKS: (ECHA)

ECOTOXICOLOGY ASSESSMENT

CHRONIC AQUATIC TOXICITY	HARMFUL TO AQUATIC LIFE WITH LONG LASTING EFFECTS.
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PERSISTENCE AND DEGRADABILITY COMPONENTS

PHENOL

BIODEGRADABILITY	AEROBIC INOCULUM: ACTIVATED SLUDGE CONCENTRATION: 100 MG/L RESULT: READILY BIODEGRADABLE. BIODEGRADATION: 62% EXPOSURE TIME: 100 H METHOD: OECD TEST GUIDELINE 301C
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CHLOROFORM

BIODEGRADABILITY	REMARKS: NO DATA AVAILABLE
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ISOAMYL ALCOHOL:

BIODEGRADABILITY	REMARKS: NO DATA AVAILABLE
BOD/COD	BOD/COD: 63 % REMARKS: (IUCLID)
THOD	2,740 MG/G REMARKS: (LIT.)
BOD/THOD	55 % REMARKS: (LIT.)

BIOACCUMULATIVE POTENTIAL COMPONENTS:

PHENOL

BIOACCUMULATION	SPECIES: DANIO RERIO (ZEBRA FISH) BIOCONCENTRATION FACTOR (BCF): 17.5 EXPOSURE TIME: 5 H TEMPERATURE: 77 °F / 25 °C CONCENTRATION: 2 MG/L METHOD: OECD TEST GUIDELINE 305 REMARKS: DOES NOT BIOACCUMULATE.
PARTITION COEFFICIENT: NOCTANOL/WATER	LOG POW: 1.47 (86 °F / 30 °C) PH: 3 - 8 REMARKS: (ECHA) BIOACCUMULATION IS NOT EXPECTED.
CHLOROFORM: BIOACCUMULATION	REMARKS: NO DATA AVAILABLE
ISOAMYL ALCOHOL: PARTITION COEFFICIENT: NOCTANOL/WATER	LOG POW: 1.35 (73 °F / 23 °C) PH: 6.5 METHOD: OECD TEST GUIDELINE 107 REMARKS: BIOACCUMULATION IS NOT EXPECTED.
MOBILITY IN SOIL COMPONENTS CHLOROFORM DISTRIBUTION AMONG ENVIRONMENTAL COMPARTMENTS	ADSORPTION/SOIL KOC: 52.5, LOG KOC: 1.72 METHOD: (EXPERIMENTAL) REMARKS: MOBILE IN SOILS
OTHER ADVERSE EFFECTS PRODUCT OZONE-DEPLETION POTENTIAL	REGULATION: 40 CFR PROTECTION OF ENVIRONMENT; PART 82 PROTECTION OF STRATOSPHERIC OZONE - CAA SECTION 602 CLASS I SUBSTANCES REMARKS: THIS PRODUCT NEITHER CONTAINS, NOR WAS MANUFACTURED WITH A CLASS I OR CLASS II ODS AS DEFINED BY THE U.S. CLEAN AIR ACT SECTION 602 (40 CFR 82, SUBPT. A, APP.A + B).
COMPONENTS PHENOL RESULTS OF PBT AND VPVB ASSESSMENT	SUBSTANCE DOES NOT MEET THE CRITERIA FOR PBT OR VPVB ACCORDING TO REGULATION (EC) NO 1907/2006, ANNEX XIII.
CHLOROFORM: RESULTS OF PBT AND VPVB ASSESSMENT	SUBSTANCE DOES NOT MEET THE CRITERIA FOR PBT OR VPVB ACCORDING TO REGULATION (EC) NO 1907/2006, ANNEX XIII.
ISOAMYL ALCOHOL: RESULTS OF PBT AND VPVB ASSESSMENT	SUBSTANCE DOES NOT MEET THE CRITERIA FOR PBT OR VPVB ACCORDING TO REGULATION (EC) NO 1907/2006, ANNEX XIII.
ENDOCRINE DISRUPTING PROPERTIES	NO DATA AVAILABLE

SECTION 13. DISPOSAL CONSIDERATIONS

WASTE TREATMENT METHODS

WASTE FROM RESIDUES WASTE MATERIAL MUST BE DISPOSED OF IN ACCORDANCE WITH THE NATIONAL AND LOCAL REGULATIONS. LEAVE CHEMICALS IN ORIGINAL CONTAINERS. NO MIXING WITH OTHER WASTE. HANDLE UNCLEARED CONTAINERS LIKE THE PRODUCT ITSELF.

CONTAMINATED PACKAGING DISPOSE OF AS UNUSED PRODUCT.

SECTION 14. TRANSPORT INFORMATION

DOT (US)

PROPER SHIPPING NAME: CORROSIVE LIQUID, TOXIC, N.O.S. (ISOAMYL ALCOHOL, PHENOL, CHLOROFORM)
UN NUMBER: 2922
CLASS: 8 (6.1)
PACKING GROUP: II
REPORTABLE QUANTITY
(RQ):
POISON INHALATION NO
HAZARD:

IMDG

PROPER SHIPPING NAME: CORROSIVE LIQUID, TOXIC, N.O.S. (ISOAMYL ALCOHOL, PHENOL, CHLOROFORM)
UN NUMBER: 2922
CLASS: 8 (6.1)
PACKING GROUP: II
EMS-NO: F-A, S-B
MARINE POLLUTANT : YES

IATA

PROPER SHIPPING NAME: CORROSIVE LIQUID, TOXIC, N.O.S. (ISOAMYL ALCOHOL, PHENOL, CHLOROFORM)
UN NUMBER: 2922
CLASS: 8 (6.1)
PACKING GROUP: II

SPECIAL PRECAUTIONS FOR USER

THE TRANSPORT CLASSIFICATION(S) PROVIDED HEREIN ARE FOR INFORMATIONAL PURPOSES ONLY, AND SOLELY BASED UPON THE PROPERTIES OF THE UNPACKAGED MATERIAL AS IT IS DESCRIBED WITHIN THIS SAFETY DATA SHEET. TRANSPORTATION CLASSIFICATIONS MAY VARY BY MODE OF TRANSPORTATION, PACKAGE SIZES, AND VARIATIONS IN REGIONAL OR COUNTRY REGULATIONS.

SECTION 15. REGULATORY INFORMATION

CERCLA REPORTABLE QUANTITY

COMPONENTS	CAS-NO.	COMPONENT RQ (LBS)	CALCULATED PRODUCT RQ (LBS)
CHLOROFORM	67-66-3	10	20
CHLOROFORM	67-66-3	10	10 (D022)

**SARA 304 EXTREMELY HAZARDOUS SUBSTANCES REPORTABLE
QUANTITY**

COMPONENTS	CAS-NO.	COMPONENT RQ (LBS)	CALCULATED PRODUCT RQ (LBS)
CHLOROFORM	67-66-3	10	20

**SARA 302 EXTREMELY HAZARDOUS SUBSTANCES THRESHOLD
PLANNING QUANTITY**

COMPONENTS	CAS-NO.	COMPONENT TPQ (LBS)
PHENOL	108-95-2	10000
PHENOL	108-95-2	500*
CHLOROFORM	67-66-3	10000

*: SOLID IN THE MOLTEN OR POWDERED FORM (PARTICLES < 100 MICRONS), IN SOLUTION, OR MEETING THE NFPA REACTIVITY CRITERIA

SARA 311/312 HAZARDS FIRE HAZARD
 ACUTE HEALTH HAZARD
 CHRONIC HEALTH HAZARD

SARA 313

THE FOLLOWING COMPONENTS ARE SUBJECT TO REPORTING LEVELS
ESTABLISHED BY SARA TITLE III, SECTION 313:

PHENOL	108-95-2	>= 50 - < 70 %
CHLOROFORM	67-66-3	>= 30 - < 50 %

CLEAN AIR ACT

THIS PRODUCT NEITHER CONTAINS, NOR WAS MANUFACTURED WITH A CLASS I OR CLASS II ODS AS DEFINED BY THE U.S. CLEAN AIR ACT SECTION 602 (40 CFR 82, SUBPT. A, APP.A + B).

THE FOLLOWING CHEMICAL(S) ARE LISTED AS HAP UNDER THE U.S. CLEAN AIR ACT, SECTION 112 (40 CFR 61):

PHENOL	108-95-2	>= 50 - < 70 %
CHLOROFORM	67-66-3	>= 30 - < 50 %

THE FOLLOWING CHEMICAL(S) ARE LISTED UNDER THE U.S. CLEAN AIR ACT SECTION 112(R) FOR ACCIDENTAL RELEASE PREVENTION (40 CFR 68.130, SUBPART F):

CHLOROFORM	67-66-3	>= 30 - < 50 %
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THE FOLLOWING CHEMICAL(S) ARE LISTED UNDER THE U.S. CLEAN AIR ACT SECTION 111 SOCM I INTERMEDIATE OR FINAL VOC'S (40 CFR 60.489):

PHENOL	108-95-2	>= 50 - < 70 %
CHLOROFORM	67-66-3	>= 30 - < 50 %
ISOAMYL ALCOHOL	123-51-3	>= 1 - < 5 %

Clean Water Act

THE FOLLOWING HAZARDOUS SUBSTANCES ARE LISTED UNDER THE U.S. CLEANWATER ACT, SECTION 311, TABLE 116.4A:

PHENOL	108-95-2	>= 50 - < 70 %
CHLOROFORM	67-66-3	>= 30 - < 50 %

THE FOLLOWING HAZARDOUS CHEMICALS ARE LISTED UNDER THE U.S. CLEANWATER ACT, SECTION 311, TABLE 117.3:

PHENOL	108-95-2	>= 50 - < 70 %
CHLOROFORM	67-66-3	>= 30 - < 50 %

THIS PRODUCT CONTAINS THE FOLLOWING TOXIC POLLUTANTS LISTED UNDER THE U.S. CLEAN WATER ACT SECTION 307

PHENOL	108-95-2	>= 50 - < 70 %
CHLOROFORM	67-66-3	>= 30 - < 50 %

THIS PRODUCT CONTAINS THE FOLLOWING PRIORITY POLLUTANTS RELATED TO THE U.S. CLEAN WATER ACT:

PHENOL	108-95-2	>= 50 - < 70 %
CHLOROFORM	67-66-3	>= 30 - < 50 %

US STATE REGULATIONS

MASSACHUSETTS RIGHT TO KNOW COMPONENTS

PHENOL	108-95-2
CHLOROFORM	67-66-3
ISOAMYL ALCOHOL	123-51-3

PENNSYLVANIA RIGHT TO KNOW

PHENOL	108-95-2
CHLOROFORM	67-66-3
ISOAMYL ALCOHOL	123-51-3

MAINE CHEMICALS OF HIGH CONCERN

PRODUCT DOES NOT CONTAIN ANY LISTED CHEMICALS

VERMONT CHEMICALS OF HIGH CONCERN

PHENOL

108-95-2

WASHINGTON CHEMICALS OF HIGH CONCERN

PHENOL

108-95-2

CALIFORNIA PROP. 65

WARNING: THIS PRODUCT CAN EXPOSE YOU TO CHEMICALS INCLUDING CHLOROFORM, WHICH IS/ARE KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM. FOR MORE INFORMATION GO TO WWW.P65WARNINGS.CA.GOV. THE COMPONENTS OF THIS PRODUCT ARE REPORTED IN THE FOLLOWING INVENTORIES:

US TSCA

ALL SUBSTANCES LISTED AS ACTIVE ON THE TSCA INVENTORY

TSCA LIST

NO SUBSTANCES ARE SUBJECT TO A SIGNIFICANT NEW USE RULE.
NO SUBSTANCES ARE SUBJECT TO TSCA 12(B) EXPORT NOTIFICATION REQUIREMENTS.

SECTION 16. OTHER INFORMATION

FULL TEXT OF H-STATEMENTS REFERRED TO UNDER SECTIONS 2 AND 3.

H227	COMBUSTIBLE LIQUID.
H301 + H331	TOXIC IF SWALLOWED OR IF INHALED.
H312	HARMFUL IN CONTACT WITH SKIN.
H314	CAUSES SEVERE SKIN BURNS AND EYE DAMAGE.
H336	MAY CAUSE DROWSINESS OR DIZZINESS.
H341	SUSPECTED OF CAUSING GENETIC DEFECTS.
H351	SUSPECTED OF CAUSING CANCER.
H361	SUSPECTED OF DAMAGING FERTILITY OR THE UNBORN CHILD.
H372	CAUSES DAMAGE TO ORGANS (THYMUS GLAND) THROUGH PROLONGED OR REPEATED EXPOSURE IF SWALLOWED.
H373	MAY CAUSE DAMAGE TO ORGANS (NERVOUS SYSTEM, KIDNEY, LIVER, SKIN) THROUGH PROLONGED OR REPEATED EXPOSURE.
H411	TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS.

MSDS LEGEND

MW:	MOLECULAR WEIGHT
MF:	MOLECULAR FORMULA
VOC:	VOLATILE ORGANIC COMPOUNDS
ACGIH:	AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGINISTS
CAS:	CHEMICAL ABSTRACTS SERVICE REGISTRY NUMBER
OSHA:	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
PEL:	PERMISSIBLE EXPOSURE LIMIT (OSHA)
TLV:	THRESHOLD LIMIT VALUE (ACGIH)

IMPORTANT:

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