



MSDS FOR NONYL PHENOL

SECTION 1 :CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

1.1 PRODUCT DETAILS :

PRODUCT NAME: NONYL PHENOL

CHEMICAL NAME :NONYL PHENOL

OTHER NAME:MIXED ORTHO AND PARA NONYL PHENOL

CHEMICAL FORMULA :C₉H₁₉C₆H₄OH

CHEMICAL FAMILY:ALKYL PHENOL

MOLECULAR WT:215

SECTION 2 COMPOSITION/INFORMATION ON INGREDIENT

CHEMICAL NAME : NONYL PHENOL 99.9%

CAS No:84852-15-3

SECTION 3 :PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:CLEAR , VISCIOUS LIQUID

OTHER : CHARACTERISTIC PHENOLIC OROR

SOLUBILITY IN WATER : PRACTICALITY INSOLUBLE IN WATER

BOILING POINT @760MMHG 258C
VAPOR PRESSURE:@100 F (PSI) 0.58
VAPOR DENSITY @68 F 7.4
SPECIFIC GRAVITY @100/20C 0.93
FLASH POINT 149 C

AUTOIGNITION TEMP: NOT DETERMINED
PH: NOT DETERMINED –
FLAMMABLE LIMIT: NOT DETERMINED

SECTION 4: HAZARD IDENTIFICATION

SAFETY: ACUTE HEALTH HAZARDS

INHALATION: INHALATION OF CONCENTRATED VAPOR MAY IRRITATE THE NOSE AND THROAT.

EYE CONTACT: CAUSES SEVERE EYE BURNS.

SKIN CONTACT: CAUSES SKIN BURNS.

INGESTION: HARMFUL IF SWALLED. NONYL PHENOL CAUSES SEVERE MUCOUS MEMBRANE BURNS.

SECTION 5: FIRST AID MEASURES:

EYE: FLUSH WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. SEEK MEDICAL AID.

SKIN: REMOVAL CONTAMINATED CLOTHING AS NEEDED, WASH SKIN THOROUGHLY WITH MILD SOAP AND WATER, IF IRRITATION DEVELOPS, SEEK MEDICAL AID.

INHALATION: REMOVE TO FRESH AIR IMMEDIATELY. GIVE OXYGEN OR ARTIFICIAL RESPIRATION AS NEEDED. SEEK MEDICAL AID.

INGESTION: IF SWALLOWED INDUCE VOMITING, SEEK MEDICAL AID

SECTION 6: FIRE FIGHTING MEASURES;

FLAMMABLE PROPERTIES: FIRE AND EXPLOSION HAZARDS: DECOMPOSITION UNDER FIRE CONDITION WILL GENERATE CARBON MONOXIDE AND PHENOL, AND MAY GENERATE OTHER TOXIC VAPORS.

FLAMMABLE LIMITS: NOT DETERMINED

AUTOIGNITION TEMP. NOT DETERMINED

EXTINGUISHING MEDIA: CO2, FORM, DRY CHEMICAL ETC.

FIRE FIGHTING INSTRUCTIONS: FIRE FIGHTING INFORMATION: USE CO2, FORM OR DRY

CHEMICAL TO EXTINGUISH FIRE. WATER FOG CAN BE USED TO COOL A FIRE. BUT FOR

EXTINGUISHMENT, FOAM OR DRY CHEMICAL ARE PREFERRED. AVOID SPREADING LIQUID AND FIRE

BY WATER FLOODING. WEAR SELF-CONTAINED, POSITIVE –PRESSURE, BREATHING APPARATUS AND FULL FIREFIGHTING PROTECTIVE CLOTHING, USE WATER TO KEEP CONTAINERS COOL.

SECTION 7:ACCIDENTIAL RELEASE MEASURE

REMOVE SOURCE OF IGNITION, STOP RELEASE AND PROVIDE ADEQUATE VENTILATION, PREVENT FLOW TO SEWER AND PUBLIC WATERS.RECOVER FREE PRODUCT, IF POSSIBLE, COVER SPILL WITH INERT, NONCOMBUSTIBLE ABSORBANT MATERIAL AND REMOVE TO DISPOSAL CONTAINER.REPORT SPILL PER REGULATORY REQUIREMENTS.LEAKING DRUM SHOULD BE EMPTIED OR PLACED INTO AN OVERSIZED(RECOVERY)DRUM.

SECTION 8:HANDLING AND STORAGE:

STORE AS A NFPA CLASS III B LIQUID. KEEP FIRE AND SPARK AWAY FROM DRUMS. SINCE EMPTY CONTAINERS RETAINS PRODUCTS RESIDUE, DO NOT CUT, DRILL, GRIND, OR WELD ON OR NEAR THE CONTAINER UNTIL IT IS THOROUGHLY CLEANED.

ISOLATE , VENT, DRAIN, WASH AND PURGE SYSTEMS OR EQUIPMENT BEFORE MAINTAENANCE OR REPAIR.REMOVE ALL IGNITION SOURCES.CHECK ATMOSPHERE FOR EXPLOSIVENESS AND OXYGEN DEFICIENCIES.USE ADEQUATE PERSONAL PROTECTIVE EQUIPMENT. COMPLY WITH REGULATIONS GOVERNING COPNFIRMED SPACE ENTRY.

SECTION 9:EXPOSURE CONTROL AND PERSONAL PROTECTION:

USE WITH ADEQUATE LOCAL EXHAUST VENTILATION .IN CONFINED OR ENCLOSED SPACES, USE NIOSH APPROVED RESPIRATORY PROTECTION.USE CHEMICAL RESISTANT APRON, GLOVES, AND OTHER IMPERVIOUS CLOTHING TO AVOID SKIN CONTACT .USE SPLASH GOGGLES AND FACE SHIELD WHEN EYE CINTACT MAY

OCCUR.PROVIDE SAFETY SHOWER.EQUIPPED WITH AN EYE WASH FOUTAIN IN THE IMMEDIATE VICINITY OF POTENTIAL EXPOSURE.

USE GOOD PERSONAL HYGIENE PRACTICES.WASH HANDS BEFORE EATING , DRINKING, OR SMOKING OR USING TOILET FACILITIES, PROMPTLY REMOVE CONTAMINATED CLOTHING AND THOROUGHLY BEFORE REUSE.

SECTION 10:STABILITY AND REACTIVITY

CHEMICAL STABILITY :STABLE

INCOMPATIBILITY:STRONG OXIDIZING AGENTS

HAZARDOUS DECOMPOSITION PRODUCTS:WILL NOT OCCUR

HAZARDOUS POLYMERATION:WILL NOT OCCUR

SECTION 11 TOXICOLOGICAL INFORMATION

LD50 (ORAL -RATE):1620MG/KG

SECTION 12 ECOLOGICAL INFORMATION

NONE

SECTION 13 DISPOSAL INFORMATION

DISPOSAL MUST BE MADE IN ACCORDING WITH APPLICABLE GOVERMENTAL REGULATIONS, DO NOT CONTAMINATE ANY STREAMS , LAKES, OR PONDS.

SECTION 14 :TRANSPORT INFORMATION

TRANSPORT DOCUMENT NAME:ALKYL PHENOL , LIQUID , N.O.S

UN NO:3145

IMO CLASS :8

IMO FIRST AID CODE NO:----

IATA CLASS:---

EMS NO:----

SECTION 15:REGULATORY INFORMATION

NONYL PHENOL IS CLASSIFIED BY DOT AND IATA AND IMDG REGULATION AS AN ALKLY PHENOL , LIQUID, N.O.S. AND AS A MARINE POLLUTANT IN 49 CFR 172.101-APPENDIX B.

PROPER SHIPPING NAME :ALKYLPHENOLS, LIQUID, N.O.S.(NONYL PHENOL)

HAZARD CLASS:8

I.D. NUMBER :UN 3145

PACKING GROUP : III

PLACARDS REQUIRED:CORROSIVE

MARKS REQUIRED : MARINE POLLUTANT