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EMERGENCY No. 0419 341 095 any time

<http://www.nuvo.com.au>**PRODUCT: NONYL PHENOL**

PRODUCT NAME: Nonyl Phenol
Correct Shipping Name: Alkyl Phenol, Liquid, N.O.S.

STATEMENT OF HAZARDOUS NATURE:

Classified as hazardous according to criteria of Worksafe Australia. All ingredients are listed on the Australian Inventory of Chemical Substances.

UN NUMBER : 3145
DANGEROUS GOODS
CLASS & SUB RISK : 8
HAZCHEM CODE : 2X
PACKAGING GROUP : III
POISONS SCHEDULE : Not Scheduled

PHYSICAL DESCRIPTION/PROPERTIES:

APPEARANCE/ODOUR : Colourless viscous liquid / mild phenolic odour
FLASHPOINT (°C) : 155°C
AUTOIGNITION TEMP. : 370°C approx.
BOILING POINT : 300°C approx.
FREEZING POINT : - 10°C
FLAMMABILITY LIMITS (%) : LEL UEL - not available
VAPOUR PRESSURE : < 0.1 kPa at 20°C; 0.67 kPa at 100°C
SOLUBILITY IN WATER : 0.01% by wt at 20°C
DENSITY : 0.954g/cm³ at 20°C
VAPOUR DENSITY (air=1) : 7.6 at 1 atmos.
VISCOSITY : 2000mPa.s approx. at 25°C
OTHER PROPERTIES : soluble in most organic solvents

INGREDIENTS:

CHEMICAL ENTITY	CAS No.	PROPORTION
Nonyl phenol (mainly para isomer)	25154-52-3	100%

1. HEALTH HAZARD INFORMATION**Health Effects:****Acute:**

Swallowed: Harmful if swallowed. Oral toxicity (rats) LD50 = 1.6g/kg (HARMFUL)

Eyes: The liquid is severely irritating to the eyes.

Skin: The product can cause serious irritation to the skin, particularly on prolonged contact.

MATERIAL SAFETY DATA SHEET**PRODUCT: Nonyl Phenol**

Inhaled: The vapours are irritating to the upper respiratory tract.

Chronic: No reported evidence of carcinogenesis, mutagenesis or teratogenesis.

2. FIRST AID MEASURES

Swallowed: Obtain urgent medical attention. If the person is conscious encourage vomiting.

Eyes: Flush affected eyes with copious quantities of water for at least 15 minutes, keeping the eyelids open. Seek medical attention.

Skin

contact: Remove contaminated clothing. Wash contact area with soap and water. Treat the area with cotton wool soaked in olive oil or polyethylene glycol.

Inhaled: Remove to fresh air. Seek medical attention.

First aid facilities: Eye bath recommended at the work area.

Advice to doctor: Treat symptomatically with reference to health effects given above.

3. PRECAUTIONS FOR USE

Exposure standards : Not established.

Engineering controls: Use only in areas with adequate ventilation.

Personal protection:

Respiratory: Wear a mask respirator with organic filter.

Glove type: Wear solvent resistant gloves. eg. butyl rubber, Viton

Eyes protection: Wear chemical type safety goggles. Do not wear contact lenses.

Clothing: Wear safety shoes, overalls and chemical resistant apron.

Hazards of Use and Storage:

Flammability: The product is combustible. See physical properties listed above.

Fire /Explosion Hazards: The vapour resulting from contact with hot surfaces or exposure to naked flame can form a flammable mixture with air.
Water can cause spattering.

4. SAFE HANDLING INFORMATION**Storage & Transport:**

Store in closed containers in a dry and cool place. If possible vented tanks with an inert gas blanket should be used to prevent yellowing of the product.

Fire Fighting

Recommendations: Extinguishing media: Carbon dioxide, dry chemical, or foam.
Protective equipment: Wear self-contained breathing apparatus.
First aid personnel must be equipped with suitable protective clothing.
Toxic fumes of phenol can be generated during combustion.
Keep upwind if possible.

MATERIAL SAFETY DATA SHEET**PRODUCT: Nonyl Phenol****Dangerous****Decomposition or****Combustion Products:** Toxic fumes of phenol. Carbon monoxide.**Stability & Reactivity:**

Stable under normal conditions of use.

Hazardous polymerisation:-

Will not occur.

Materials to avoid:-

Nonyl phenol can react violently with oxidising agents.

In the presence of acids or bases, phenol may be released.

Spills:

Remove all sources of ignition. All spillages should be contained with sand, earth or other inert material and scrapped up. Do not allow the material to enter surface water drains. If this should occur inform the local authorities immediately. Collect the material in a closed container or salvage tank and remove to a safe place for disposal.

Disposal:

Disposal should be carried out in accordance with national and local regulations. Consult local authorities for detailed advice.

5. OTHER INFORMATION**Labelling Information:**

DG Class - 8

Risk phrases: R22 - Harmful if swallowed.
R36/38 - Irritating to eyes and skin

Safety phrases: S26 - In case of contact with eyes, rinse immediately with plenty of water & contact a doctor or Poisons Information Centre.
S41 - In case of fire do not breathe fumes.

CONTACT POINT: EMERGENCY No. 0419 341 095 all hours

DISCLAIMER: The information given in this data sheet is based on data supplied by the manufacturer and is, to the best of our knowledge, true and accurate, but any recommendations or suggestions that may be made are without guarantee, since the conditions of use are beyond our control. The information and recommendations offered are for the user's consideration and it is the user's responsibility to satisfy themselves that they are suitable and complete for this particular purpose. We recommend that the safety and handling information presented in this data sheet be passed on, in an appropriate format, to your customers and handlers.