

# OTTO CHEMIE PVT LTD

An ISO 9001 : 2015 & GMP Certified Company  
101, Aarkay Ruby Industrial Estate (1B), Opp Shree Narayan Industrial Estate,  
Chinchpada, Vasai East, Waliv, Maharashtra 401208. Tel : + 91 98200 41841  
Email : [info@ottokemi.com](mailto:info@ottokemi.com) Web : [www.ottokemi.com](http://www.ottokemi.com)

## MATERIAL SAFETY DATA SHEET (MSDS)

### SECTION 1: Product identifiers

Product Name : Nonyl phenol  
Product Code: N 2027  
CAS-No.: 104-40-5

1.2. Relevant identified uses of the substance or mixture and uses advised against  
Use : Industrial. For professional use only.

1.3. Details of the supplier of the safety data sheet

Company identification

OTTO CHEMIE PVT LTD

101, Aarkay Ruby Industrial Estate(1B), Opp Shree Narayan Industrial Estate,  
Chinchpada, Vasai East, Waliv, Maharashtra 401208.

Email [info@ottokemi.com](mailto:info@ottokemi.com)

1.4. Emergency telephone number

Phone no. : + 91 22 2207 0099 (9:00am - 6:00 pm)

### SECTION 2.Hazard identification

2.1 Classification of the substance or mixture

Acute toxicity - Oral, Category 4

Skin corrosion, Category 1B

Serious eye damage, Category 1

Hazardous to the aquatic environment, short-term (Acute) - Category Acute 1

Hazardous to the aquatic environment, long-term (Chronic) - Category Chronic 1

2.2 GHS label elements, including precautionary statements

Pictogram(s)

Signal word

Hazard statement(s)

Precautionary statement(s)

Prevention



Danger

H302 Harmful if swallowed

H314 Causes severe skin burns and eye damage

H318 Causes serious eye damage

H400 Very toxic to aquatic life

H410 Very toxic to aquatic life with long lasting effects

P264 Wash ... thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P273 Avoid release to the environment.

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Response	P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor/u2026if you feel unwell. P330 Rinse mouth. P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. P363 Wash contaminated clothing before reuse. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P310 Immediately call a POISON CENTER/doctor/u2026 P321 Specific treatment (see ... on this label). P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P391 Collect spillage.
Storage	P405 Store locked up.
Disposal	P501 Dispose of contents/container to ...
2.3Other hazards which do not result in classification	
none	

## SECTION 3.Composition/information on ingredients

### 3.1Substances

Chemical name	Common names and synonyms	CAS number	EC number	Concentration
4-nonylphenol	4-nonylphenol	104-40-5	none	100%

## SECTION 4.First-aid measures

### 4.1Description of necessary first-aid measures

#### General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

#### If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

#### In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

#### In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

#### If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

### 4.2Most important symptoms/effects, acute and delayed

no data available

### 4.3Indication of immediate medical attention and special treatment needed, if necessary

no data available

## SECTION 5.Fire-fighting measures

### 5.1Extinguishing media

#### Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

### 5.2Specific hazards arising from the chemical

no data available

### 5.3Special protective actions for fire-fighters

Wear self-contained breathing apparatus for firefighting if necessary.

## SECTION 6.Accidental release measures

### 6.1Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation.

Evacuate personnel to safe areas. Avoid breathing dust. For personal protection see section 8.

### 6.2Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

### 6.3Methods and materials for containment and cleaning up

Pick up and arrange disposal. Sweep up and shovel. Keep in suitable, closed containers for disposal.

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## SECTION 7. Handling and storage

### 7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Avoid exposure - obtain special instructions before use. Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.2.

### 7.2 Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

## SECTION 8. Exposure controls/personal protection

### 8.1 Control parameters

Occupational Exposure limit values

no data available

Biological limit values

no data available

### 8.2 Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

### 8.3 Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

Safety glasses with side-shields conforming to EN166. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Wear impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. 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. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Respiratory protection

Wear dust mask when handling large quantities.

Thermal hazards

no data available

## SECTION 9. Physical and chemical properties

Physical state

viscous colourless liquid with a phenol-like smell

Colour

Pale yellow viscous liquid /Nonylphenol/

Odour

Slight phenolic odour /Nonylphenol/

Melting point/ freezing point

43-44°C

Boiling point or initial boiling point and boiling

293-297°C

range

Flammability

no data available

Lower and upper explosion limit / flammability

no data available

limit

Flash point

>110°C

Auto-ignition temperature

no data available

Decomposition temperature

no data available

pH

no data available

Kinematic viscosity

no data available

Solubility

Water solubility = 7 mg/L at 25°C

Partition coefficient n-octanol/water (log value)

Log Kow = 5.76

Vapour pressure

0.00016 mmHg at 25°C

Density and/or relative density

0.937 g/mL at 25°C (lit.)

Relative vapour density

no data available

Particle characteristics

no data available

## SECTION 10. Stability and reactivity

### 10.1 Reactivity

no data available

### 10.2 Chemical stability

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

no data available

### 10.4 Conditions to avoid

no data available

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10.5 Incompatible materials  
no data available  
10.6 Hazardous decomposition products  
no data available

## SECTION 11. Toxicological information

Acute toxicity  
Oral: no data available  
Inhalation: no data available  
Dermal: no data available  
Skin corrosion/irritation  
no data available  
Serious eye damage/irritation  
no data available  
Respiratory or skin sensitization  
no data available  
Germ cell mutagenicity  
no data available  
Carcinogenicity  
no data available  
Reproductive toxicity  
no data available  
STOT-single exposure  
no data available  
STOT-repeated exposure  
no data available  
Aspiration hazard  
no data available

## SECTION 12. Ecological information

12.1 Toxicity  
Toxicity to fish: no data available  
Toxicity to daphnia and other aquatic invertebrates: no data available  
Toxicity to algae: no data available  
Toxicity to microorganisms: no data available  
12.2 Persistence and degradability  
p-Nonylphenol was inhibitory to anaerobic biodegradation in digesting sludge(1). Biodegradation of p-nonylphenol in seawater at a concentration of 11 ug/L was initially slow but after four weeks at 11°C, the degradation rate increased and after 58 days, about 50% of the initial p-nonylphenol was present(2). Biodegradation in seawater and in the presence of sediment was high initially and did not increase over time, with approximately 40% of the initial p-nonylphenol remaining after 58 days(2). p-Nonylphenol in Swedish sewage sludge at a relatively high concentration was added to soil(3). p-Nonylphenol decomposed rapidly with more than 90% degrading within 10 to 20 days(3).  
12.3 Bioaccumulative potential  
The bioaccumulation of 4-nonylphenol has been /examined/ in ... mussels (*Mytilus edulis*) and stickleback fish (*Gasterosteus aculeatus*) exposed to (14)C-4-nonylphenol in running seawater. 4-Nonylphenol was extracted with high recovery from tissues which were pretreated with pancreatic enzymes. The bioconcentration factor determined for /stickleback fish/ was 1300 and in mussels, 3400. ...  
12.4 Mobility in soil  
The Koc of p-nonylphenol is estimated as approximately 32400(SRC), using an experimental log Kow of 5.76(1) and a regression-derived equation(2,SRC). According to a recommended classification scheme(3), this estimated Koc value suggests that p-nonylphenol will be immobile in soil(SRC).  
12.5 Other adverse effects  
no data available

## SECTION 13. Disposal considerations

13.1 Disposal methods  
Product  
The material can be disposed of by removal to a licensed chemical destruction plant or by controlled incineration with flue gas scrubbing. Do not contaminate water, foodstuffs, feed or seed by storage or disposal. Do not discharge to sewer systems.  
Contaminated packaging

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Containers can be triply rinsed (or equivalent) and offered for recycling or reconditioning. Alternatively, the packaging can be punctured to make it unusable for other purposes and then be disposed of in a sanitary landfill. Controlled incineration with flue gas scrubbing is possible for combustible packaging materials.

## SECTION 14. Transport information

14.1 UN Number  
ADR/RID: UN3145  
IMDG: UN3145  
IATA: UN3145

14.2 UN Proper Shipping Name  
ADR/RID: ALKYLPHENOLS, LIQUID, \nN.O.S. (including C2-C12 homologues)  
IMDG: ALKYLPHENOLS, LIQUID, \nN.O.S. (including C2-C12 homologues)  
IATA: ALKYLPHENOLS, LIQUID, \nN.O.S. (including C2-C12 homologues)

14.3 Transport hazard class(es)  
ADR/RID: 8  
IMDG: 8  
IATA: 8

14.4 Packing group, if applicable  
ADR/RID: II  
IMDG: II  
IATA: II

14.5 Environmental hazards  
ADR/RID: yes  
IMDG: yes  
IATA: yes

14.6 Special precautions for user  
no data available

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code  
no data available

## SECTION 15. Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

Chemical name	Common names and synonyms	CAS number	EC number
4-nonylphenol	4-nonylphenol	104-40-5	none
European Inventory of Existing Commercial Chemical Substances (EINECS)			Listed.
EC Inventory			Listed.
United States Toxic Substances Control Act (TSCA) Inventory			Listed.
China Catalog of Hazardous chemicals 2015			Listed.
New Zealand Inventory of Chemicals (NZIoC)			Listed.
Philippines Inventory of Chemicals and Chemical Substances (PICCS)			Listed.
Vietnam National Chemical Inventory			Not Listed.
Chinese Chemical Inventory of Existing Chemical Substances (China IECSC)			Listed.

## Section 16: Other Information

This safety data sheet should be used in conjunction with technical sheets. It does not replace them. The information given is based on our knowledge of this product, at the time of publication. It is given in good faith. The attention of the user is drawn to the possible risks incurred by using the product for any other purpose other than that for which it was intended. This does not in any way excuse the user from knowing and applying all the regulations governing his activity. It is the sole responsibility of the user to take all precautions required in handling the product. The aim of the mandatory regulations mentioned is to help the user to fulfill his obligations regarding the use of hazardous products.

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