



### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight-%
4-Nonylphenol, branched, ethoxylated	127087-87-0	1-8

### 4. FIRST AID MEASURES

#### FIRST AID MEASURES

<b>Eye contact</b>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists, call a physician.
<b>Skin contact</b>	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
<b>Inhalation</b>	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
<b>Ingestion</b>	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Contact a doctor/physician if exposed or you feel unwell.

#### Most important symptoms and effects, both acute and delayed

**Symptoms** Irritation in contact with eyes.

#### Indication of any immediate medical attention and special treatment needed

**Notes to Physician** Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

<b><u>Suitable extinguishing media</u></b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
<b>Unsuitable extinguishing media</b>	None known.
<b><u>Specific hazards arising from the chemical</u></b>	None identified.
<b>Hazardous combustion products</b>	May emit irritating vapors.
<b><u>Explosion Data</u></b>	
<b>Sensitivity to Mechanical Impact</b>	None.
<b>Sensitivity to Static Discharge</b>	None.
<b><u>Protective equipment and precautions for firefighters</u></b>	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

### 6. ACCIDENTAL RELEASE MEASURES

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

**Personal Precautions** Use personal protective equipment. Avoid contact with eyes.

#### Environmental precautions

**Environmental precautions** Prevent release to surface water.

#### Methods and material for containment and cleaning up

**Methods for Containment** Dike to collect large liquid spills.

**Methods for Cleaning Up** Absorb with inert material and transfer to containers for disposal.

**7. HANDLING AND STORAGE**

Precautions for safe handling

**Handling** Wear personal protective equipment. Avoid contact with eyes. Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

**Storage** Keep container tightly closed in a dry and well-ventilated place @ 25C.

**Incompatible materials** Strong oxidizing agents.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Control parameters

**Exposure Guidelines** This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Appropriate engineering controls

**Engineering Measures** Ensure adequate ventilation, especially in confined areas. Provide showers, eyewash stations, and ventilation systems.

Individual protection measures, such as personal protective equipment

- Eye/Face Protection** Safety glasses with side-shields, Goggles, Face-shield.
- Skin and Body Protection** Wear chemical resistant gloves, Long sleeved clothing, Chemical resistant apron.
- Respiratory Protection** Wear suitable personal respiratory protection in case of exposure to mist, spray, or aerosol.

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Information on basic physical and chemical properties

<b>Physical State</b>	Liquid	<b>Odor</b>	Mild
<b>Appearance</b>	Clear		
<b>Color</b>	Colorless		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH		Not determined
Melting point / freezing point		Not determined
Boiling point / boiling range	> 100 °C	
Flash Point	> 100 °C	COC
Evaporation Rate		Not determined
Flammability (solid, gas)		Not flammable
Flammability Limit in Air		
Upper flammability limit		
Lower Flammability Limit		
Vapor pressure		Not determined
Vapor Density		Not determined
Specific Gravity	1.02	H2O=1
Water Solubility	Soluble	
Solubility in other solvents		Not determined
Partition coefficient		Not determined

<b>Autoignition Temperature</b>	Not determined
<b>Decomposition temperature</b>	Not determined
<b>Kinematic viscosity</b>	Not determined
<b>Dynamic viscosity</b>	Not determined
<b>Explosive Properties</b>	None
<b>Oxidizing Properties</b>	None

**Other Information**

**10. STABILITY AND REACTIVITY**

<b>Reactivity</b>	Not reactive
<b>Remarks</b>	
<b>Chemical stability</b>	Stable under recommended storage conditions.
<b>Possibility of Hazardous Reactions</b>	
<b>Hazardous Reactions</b>	None under normal processing.
<b>Hazardous Polymerization</b>	Hazardous polymerization does not occur.
<b>Conditions to Avoid</b>	Extremes of temperature and direct sunlight.
<b>Incompatible materials</b>	Strong oxidizing agents.

**Hazardous Decomposition Products**  
 Thermal decomposition may yield CO and/or CO2.

**11. TOXICOLOGICAL INFORMATION**

**Information on likely routes of exposure**

**Product Information**

<b>Inhalation</b>	Not classified (Based on available data, the classification criteria are not met).
<b>Eye contact</b>	Causes serious eye irritation.
<b>Skin contact</b>	Not irritating to skin.
<b>Ingestion</b>	No known hazard.

**Component Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
4-Nonylphenol, branched, ethoxylated 127087-87-0	> 2000 mg/kg (similar substance)	-	-

**Information on toxicological effects**

**Symptoms** Irritation or pain in contact with skin or eyes.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

<b>Sensitization</b>	No known hazard.
<b>Mutagenic Effects</b>	No known hazard.
<b>Carcinogenicity</b>	Contains no listed human carcinogens at greater than 0.1%.
<b>Reproductive Toxicity</b>	No known hazard.

**Developmental Toxicity** No known hazard.  
**Teratogenic** No known hazard.  
**STOT - single exposure** No known hazard.

**STOT - repeated exposure** No known hazard.  
**Aspiration hazard** No known hazard.

**Numerical measures of toxicity-Product Information**

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

Not expected to be toxic to aquatic organisms.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Microtox	Daphnia Magna (Water Flea)
4-Nonylphenol, branched, ethoxylated 127087-87-0				LC50: >100 mg/l

**Persistence and degradability**

No data available.

**Bioaccumulation/Accumulation**

Not expected to be bioaccumulative.

**Mobility**

Will likely be mobile in the environment due to its water solubility.

**Other Adverse Effects** None identified

## 13. DISPOSAL CONSIDERATIONS

**Waste treatment methods**

**Waste Disposal Method** Dispose of in accordance with applicable regulations.

**Contaminated Packaging** Dispose of in accordance with applicable regulations.

## 14. TRANSPORT INFORMATION

**DOT** Not regulated

**TDG** Not regulated

**IATA** Not regulated

**IMDG / IMO** Not regulated

## 15. REGULATORY INFORMATION

**International Inventories**

**TSCA** Complies

<b>DSL</b>	Complies
<b>IECSC</b>	Complies
<b>KECL</b>	Complies
<b>PICCS</b>	Complies
<b>AICS</b>	Complies

**Legend**

*TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*  
*DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List*  
*EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*  
*ENCS - Japan Existing and New Chemical Substances*  
*IECSC - China Inventory of Existing Chemical Substances*  
*KECL - Korean Existing and Evaluated Chemical Substances*  
*PICCS - Philippines Inventory of Chemicals and Chemical Substances*  
*AICS - Australian Inventory of Chemical Substances*

**U.S. Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**SARA 311/312 Hazard Categories**

<b>Acute health hazard</b>	Yes
<b>Chronic Health Hazard</b>	No
<b>Fire hazard</b>	No
<b>Sudden release of pressure hazard</b>	No
<b>Reactive Hazard</b>	No

**Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

**U.S. State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals

**U.S. State Right-to-Know Regulations**

This product does not contain any substances regulated by state right-to-know regulations

**16. OTHER INFORMATION**

<b>NFPA</b>	Health Hazard 1	Flammability 0	Instability 0	<b>Physical and Chemical Hazards</b> n/a
<b>HMIS</b>	Health Hazard 1	Flammability 0	<b>Physical hazards</b> 0	<b>Personal Precautions</b> B

**Issuing Date** 29-Jun-2020  
**Revision Date** 29-Jun-2020  
**Revision Note**  
**Reason for Revision** Periodic review and update

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information

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relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**