

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING**Product identifier****Product Name** B&B TC-100 N-3**Other means of identification****Product Code** TC100N3**Recommended use of the chemical and restrictions on use****Recommended Use** Technical cleaning agent.
Uses advised against FOR INDUSTRIAL USE ONLY**Details of the supplier of the safety data sheet****Manufacturer Address** Vantage Specialties, Inc.
3938 Porett Drive
Gurnee, IL 60031 USA
847-244-3410**Emergency Telephone Number****Emergency Telephone Number** CHEMTREC International: +1-703-527-3887**2. HAZARDS IDENTIFICATION****Classification**

Serious eye damage/eye irritation

Category 1

Label Elements**EMERGENCY OVERVIEW****DANGER****Hazard statements**

Causes serious eye damage

**Color** Colorless**Physical State** Liquid**Odor** Mild**Precautionary Statements - Prevention**

Wear eye protection/ face protection

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 or doctor/physician

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight-%
4-Nonylphenol, branched, ethoxylated	127087-87-0	5-20

4. FIRST AID MEASURES

FIRST AID MEASURES

Eye contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.
Skin contact	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Get medical attention if irritation occurs.
Inhalation	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Consult a physician if breathing is difficult or other respiratory symptoms develop.
Ingestion	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

<u>Suitable extinguishing media</u>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media	None known.
<u>Specific hazards arising from the chemical</u>	None identified.
Hazardous combustion products	May emit irritating vapors.
<u>Explosion Data</u>	
Sensitivity to Mechanical Impact	None.
Sensitivity to Static Discharge	None.
<u>Protective equipment and precautions for firefighters</u>	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 skin and 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.

Incompatible materials Strong acids, 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

Physical State	Liquid	Odor	Mild
Appearance	Clear		
Color	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

Autoignition Temperature	Not determined
Decomposition temperature	Not determined
Kinematic viscosity	Not determined
Dynamic viscosity	Not determined
Explosive Properties	None
Oxidizing Properties	None

Other Information**10. STABILITY AND REACTIVITY**

Reactivity Not reactive
Remarks

Chemical stability Stable under recommended storage conditions.

Possibility of Hazardous Reactions

Hazardous Reactions None under normal processing.
Hazardous Polymerization Hazardous polymerization does not occur.

Conditions to Avoid Extremes of temperature and direct sunlight

Incompatible materials Strong acids, 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**

Inhalation There is no data for this product.
Eye contact May cause irreversible damage to eyes.
Skin contact Not irritating to skin.
Ingestion May be harmful if swallowed.

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

Sensitization No known hazard.
Mutagenic Effects No known hazard.
Carcinogenicity Contains no listed human carcinogens at greater than 0.1%.

Reproductive Toxicity	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

Chemical Name	Toxicity to Algae	Toxicity to Fish	Microtox	Daphnia Magna (Water Flea)
4-Nonylphenol, branched, ethoxylated 127087-87-0		LC50: 10 - 100 mg/l		LC50: >100 mg/l

Persistence and degradability

No data available.

Bioaccumulation/Accumulation

No data available

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

IATA Not regulated

IMDG / IMO Not regulated

15. REGULATORY INFORMATION

International Inventories

TSCA	Complies
DSL	Complies
IECSC	Complies
KECL	Complies
PICCS	Complies
AICS	Complies

Legend

- TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
- DSL/NDL - 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

Acute health hazard	Yes
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	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

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

Issuing Date 06-Jun-2018
 Revision Date 06-Jun-2018
 Revision Note
 Reason for Revision Initial Release

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 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