

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier

Product Name BIOACT® 280 Precision Cleaner

Other means of identification

Product Code BIOACT280

Recommended use of the chemical and restrictions on use

Recommended Use Cleaning agent.

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
CHEMTREC USA: 1-800-424-9300

2. HAZARDS IDENTIFICATION

Classification

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2A

Label Elements

EMERGENCY OVERVIEW

DANGER

Hazard statements

Causes serious eye irritation
Causes skin irritation



Color Light yellow

Physical State Liquid

Odor Mild

Precautionary Statements - Prevention

Wear protective gloves/protective clothing/eye protection/face protection
Wash face, hands and any exposed skin thoroughly after handling

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
If eye irritation persists: Get medical advice/attention
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
If skin irritation occurs: Get medical advice/attention

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No.	Weight %
Alkylphenol ethoxylate	26027-38-3	1 - 10

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. If eye irritation persists, consult a specialist.

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 victim to fresh air and keep at rest in a position comfortable for breathing.

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 or pain in contact with skin or eyes.

Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media Use extinguishing measures appropriate to local circumstances and surrounding materials.

Unsuitable extinguishing media Do not use a solid water stream as it may scatter and spread fire.

Explosion Data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

Protective equipment and precautions for firefighters 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 skin, eyes, and clothing.

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, eyes, and clothing.

Conditions for safe storage, including any incompatibilities

Storage Keep containers tightly closed in a dry, cool and well-ventilated place.

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 Safety Shower
 Eyewash station
 Ventilation system.

Individual protection measures, such as personal protective equipment

- Eye/face Protection** Safety glasses with side-shields. Face-shield.
- Skin and Body Protection** Wear protective gloves/clothing. Long sleeved clothing.
- 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	Color	Light yellow
Odor	Mild		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH		neutral
Melting point/freezing point		No data available
Boiling point/boiling range	> 260 °C / 500 °F	
Flash Point	141 °C / 286 °F	
Evaporation Rate		Not determined
Flammability (solid, gas)		May burn if exposed to open flame.
Flammability Limits in Air		Not determined
Upper flammability limits		
Lower Flammability Limit		
Vapor pressure	< 0.01	mm Hg
Vapor Density		Not determined
Specific Gravity	0.87	
Water Solubility	Partly soluble	
Solubility in other solvents		No data available
Partition coefficient		No data available
Autoignition Temperature		No data available
Decomposition temperature		No data available
Kinematic viscosity	7.3 cps	@ 25 °C

Dynamic viscosity No data available
Explosive Properties None
Oxidizing Properties None

Other Information

10. STABILITY AND REACTIVITY

Reactivity Not reactive
Chemical stability Stable under recommended storage conditions.
Possibility of Hazardous Reactions
Hazardous Reactions None under normal processing.
Conditions to Avoid Excessive heat, flames, and sparks.
Incompatible materials Strong oxidizing agents.
Hazardous Decomposition Products
 None identified.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation May cause irritation of respiratory tract.
Eye contact Severely irritating to eyes.
Skin contact Irritating to skin.
Ingestion May be harmful if swallowed.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Alkylphenol ethoxylate 26027-38-3	= 1410 µL/kg (Rat)	= 2830 µL/kg (Rabbit)	-

Information on toxicological effects

Symptoms Irritation or pain in contact with eyes or skin.
Delayed and immediate effects as well as chronic effects from short and long-term exposure
Irritation Irritating to eyes and skin.
Carcinogenicity Contains no listed human carcinogens at greater than 0.1%.
Chronic Toxicity Contains a suspected endocrine disruptor: nonylphenol, < 0.1%.
Numerical measures of toxicity-Product Information Not determined

12. ECOLOGICAL INFORMATION

Ecotoxicity
 Harmful to aquatic life May cause long lasting harmful effects to aquatic life

Chemical Name	Toxicity to Algae	Toxicity to Fish	Microtox	Daphnia Magna (Water Flea)
Alkylphenol ethoxylate 26027-38-3		LC50: 1 - 10 ppm		

Persistence and degradability

May cause long-term adverse effects in the aquatic environment.

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.

California Hazardous Waste Codes 561

14. TRANSPORT INFORMATION

DOT Not regulated

TDG Not regulated

MEX Not regulated

IATA Not regulated

IMDG / IMO Not regulated

15. REGULATORY INFORMATION

International Inventories

TSCA Complies

DSL Complies

ENCS Complies

IECSC Complies

KECL Complies

PICCS 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 Commercial Chemical Substances/EU 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 may contain trace levels of chemicals known to the state of California to cause cancer and birth defects and reproductive harm: ethylene oxide (75-21-8), and 1,4-Dioxane (123-91-9).

U.S. State Right-to-Know Regulations

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

Additional information

Ethoxylated nonylphenol (CAS 26027-38-3) is subject to TSCA 12(b) export notification.

16. OTHER INFORMATION

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

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Revision Note
Reason for Revision Update to supplier identity/logo

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 MSDS

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