

## 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  
**Odor**    Mild    **Color**    Light yellow

<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**

<b>TSCA</b>	Complies
<b>DSL</b>	Complies
<b>ENCS</b>	Complies
<b>IECSC</b>	Complies
<b>KECL</b>	Complies
<b>PICCS</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 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**

<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

**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**

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

**Issuing Date** 17-Jul-2015  
**Revision Date** 17-Jul-2015  
**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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