



## Safety Data Sheet PURPLE ACTIV

### SECTION 1: Identification

#### GHS Product identifier

Product name	PURPLE ACTIV
Product number	CT-979

#### Distributor's details

Name	Interchem Limited
Address	9th Avenue South, Barataria, Trinidad & Tobago
Telephone	(868) 235-CHEM (2436)
Email	sales@interchem.co.tt

### SECTION 2: Hazard identification

#### Classification of the substance or mixture

#### GHS classification in accordance with: OSHA (29 CFR 1910.1200)

- Skin corrosion/irritation, Cat. 1A
- Acute toxicity, oral, Cat. 3

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### GHS label elements, including precautionary statements

#### Pictograms



1. Corrosion; 2. Skull and crossbones; 3. Environment

#### Signal word

**Danger**

#### Hazard statement(s)

H314 Causes severe skin burns and eye damage  
H301 Toxic if swallowed  
H335 May cause respiratory irritation  
H401 Toxic to aquatic life

#### Precautionary statement(s)

P260 Do not breathe dust/fume/gas/mist/vapors/spray.  
P264 Wash hands thoroughly after handling.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
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/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.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.  
P405 Store locked up.  
P501 Dispose of contents/container in accordance with applicable regional, national, and local laws and regulations.  
P270 Do not eat, drink, or smoke when using this product.  
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.  
P330 Rinse mouth.

## SECTION 3: Composition/information on ingredients

### Hazardous

Component	Concentration
<b>Alkylphenol ethoxylate (CAS no.: 127087-87-0; EC no.: 500-315-8)</b> CLASSIFICATIONS: Acute toxicity, oral, Cat. 4; Acute toxicity, inhalation, Cat. 4; Eye damage/irritation, Cat. 1; Hazardous to the aquatic environment, long-term (chronic), Cat. 2; Hazardous to the aquatic environment, short-term (acute), Cat. 2. HAZARDS: H302 - Harmful if swallowed; H318 - Causes serious eye damage; H332 - Harmful if inhaled; H401 - Toxic to aquatic life; H411 - Toxic to aquatic life with long lasting effects.	<b>0.1 - 0.5 % (weight)</b>
<b>Sodium hydroxide (CAS no.: 1310-73-2; EC no.: 215-185-5; Index no.: 011-002-00-6)</b> CLASSIFICATIONS: Skin corrosion/irritation, Cat. 1A. HAZARDS: H314 - Causes severe skin burns and eye damage. [SCLs/M-factors/ATEs]: Skin Corr. 1A; H314: $C \geq 5\%$ ; Skin Corr. 1B; H314: $2\% \leq C < 5\%$ ; Skin Irrit. 2; H315: $0.5\% \leq C < 2\%$ ; Eye Irrit. 2; H319: $0.5\% \leq C < 2\%$	<b>2 - 10 % (weight)</b>
<b>Sodium metasilicate pentahydrate (CAS no.: 6834-92-0; EC no.: 229-912-9; Index no.: 014-010-00-8)</b> CLASSIFICATIONS: Corrosive to metals, Cat. 1; Skin corrosion/irritation, Cat. 1B; Eye damage/irritation, Cat. 1; Specific target organ toxicity (single exposure), Cat. 3. HAZARDS: H314 - Causes severe skin burns and eye damage; H335 - May cause respiratory irritation.	<b>0.1 - 5 % (weight)</b>
<b>Water (CAS no.: 7732-18-5; EC no.: 231-791-2)</b> CLASSIFICATIONS: No data available. HAZARDS: No data available.	<b>84 - 100 % (weight)</b>

### Trade secret statement (OSHA 1910.1200(i))

\*The specific chemical identities and/or actual concentrations or actual concentration ranges for one or more listed components are being withheld as trade secrets under the US regulation 29 CFR 1910.1200(i).

## **SECTION 4: First-aid measures**

### **Description of necessary first-aid measures**

If inhaled	If affected, remove individual to fresh air. If breathing is difficult, administer oxygen. Keep the person warm and quiet. Get medical attention.
In case of skin contact	Thoroughly wash exposed area with soap and water remove contaminated clothing. If necessary, neutralize with lemon juice. Launder before reuse. Get medical attention.
In case of eye contact	Flush with water for 15 minutes, lifting upper and lower lids occasionally. Can be neutralized with lemon juice. Seek medical attention immediately.
If swallowed	Do not induce vomiting. Give lemon juice and water to drink. Keep person warm, quiet and seek immediate medical attention.

## **SECTION 5: Fire-fighting measures**

### **Suitable extinguishing media**

Regular foam, carbon dioxide, dry chemical, for surrounding fire.

### **Specific hazards arising from the chemical**

Sodium metasilicate pentahydrate: Sodium oxides, silicon oxides

Hazardous Decomposition Products: Carbon and Nitrogen Oxides.

### **Special protective actions for fire-fighters**

Wear self-contained breathing apparatus with a full-face piece operated in the positive pressure demand mode when fighting fires.

Special Fire and Explosion Hazards: None

### **Further information**

Flash Point: None

Flammable Limits in Air: Upper: NAP; Lower: NAP

## **SECTION 6: Accidental release measures**

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

For personal protection see section 8. Persons not wearing protective equipment should be excluded from the area of the spill until cleanup has been completed.

### **Environmental precautions**

Prevent from entering drains, sewers, streams, or other bodies of water. Prevent it from spreading. If runoff occurs notify authorities as required.

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

Small Spill: Use absorbent materials and dispose as directed by local regulatory norms. Can be neutralized with weak acids.

Large Spill: Stop spill at source. Isolate and dike with soaking materials. Pump or vacuum transfer spilled product to clean containers for recovery. Absorb unrecoverable products and dispose according to local laws.

## **SECTION 7: Handling and storage**

### **Precautions for safe handling**

KEEP OUT OF REACH OF CHILDREN. For industrial and institutional use only.

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### Conditions for safe storage, including any incompatibilities

Store in a cool, dry, well - ventilated area. Do not store at temperatures in excess of 120°F for prolonged periods.

Always store in original container. Keep container tightly closed. Follow all label instructions and precautions.

## SECTION 8: Exposure controls/personal protection

### Control parameters

#### CAS: 127087-87-0 (EC: 500-315-8)

Alkylphenol ethoxylate

(e.g.,

"OSHA",

"NIOSH", etc.): (e.g., , "50 ppm" , , "10 mg/m3", etc.) (e.g.,

"STEL",

"TWA", etc.) (e.g.,

"oral",

"dermal",

etc.) ((identify the exposed population,

or leave blank for a non-DNEL exposure)); ACGIH (USA): 10 mg/m3 TWA inhalation

#### CAS: 1310-73-2

Sodium hydroxide

ACGIH (USA): (C) 2 mg/m3 TLV® inhalation; AU/SWA (Australia): 2 Peak limitation mg/m3 TWA inhalation;

Cal/OSHA (USA): (C) 2 mg/m3 PEL inhalation; NIOSH (USA): (C) 2 mg/m3 REL inhalation; OSHA (USA): 2 mg/m3 PEL inhalation

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

#### Pictograms



#### Eye/face protection

Chemical splash resistant goggles or face shield.

#### Skin protection

Protective Gloves: rubber, neoprene or other resistant elastomer.

#### Body protection

Other Protective Clothing & Equipment: Rubber aprons and boots when working with large quantities.

#### Respiratory protection

If workplace exposure limits product or any component is exceeded a NIOSH/MSHA approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators (negative pressure types) under specified conditions. Engineering or administrative controls should be implemented to reduce exposure.

Ventilation: Provide sufficient mechanical ventilation to maintain exposure below TLV.

## SECTION 9: Physical and chemical properties

Appearance (physical state, color, etc.)

Transparent blue liquid

Odor

Characteristic

Odor threshold

ND

pH

14

Melting point/freezing point

ND

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Initial boiling point and boiling range	212 °F
Flash point	NA
Evaporation rate	ND
Flammability (solid, gas)	Non-flammable
Upper/lower flammability or explosive limits	ND
Vapor pressure	ND
Vapor density	ND
Relative density	1.09 gr/cc
Solubility(ies)	Soluble
Partition coefficient: n-octanol/water	ND
Auto-ignition temperature	ND
Decomposition temperature	ND
Viscosity	ND

#### Additional properties

Physical state	Liquid
Color	Blue

## SECTION 10: Stability and reactivity

#### Reactivity

ND

#### Chemical stability

Stable

#### Possibility of hazardous reactions

Hazardous Polymerization: Will not occur

#### Conditions to avoid

None under normal conditions

#### Incompatible materials

Alkylphenol ethoxylate: Strong acids, Strong bases, Strong oxidizing agents

Sodium hydroxide : Caustic soda reacts with all the mineral acids to form the corresponding salts. It also reacts with weak-acid gases, such as hydrogen sulfide, sulfur dioxide, and carbon dioxide. Caustic soda reacts with amphoteric metals (Al, Zn, Sn) and their oxides to form complex anions such as  $AlO_2^-$ ,  $ZnO_2^{2-}$ ,  $SNO_2^{2-}$ , and  $H_2$  (or  $H_2O$  with oxides). All organic acids also react with sodium hydroxide to form soluble salts. Another common reaction of caustic soda is dehydrochlorination.

Oxidizing Materials. Acids. Metals (aluminum, copper)

#### Hazardous decomposition products

Alkylphenol ethoxylate: Other decomposition products - No data available

In the event of fire: see section 5

Sodium hydroxide: Sodium oxides

## SECTION 11: Toxicological information

#### Information on toxicological effects

#### Additional information

Oral Toxicity (LD50): Nonyl Phenol Ethoxylate 1410 mg/kg [Rat] Sodium Hydroxide 500 mg/kg [Rabbit]

Inhalation Toxicity: No data

Dermal Toxicity: Nonyl Phenol Ethoxylate (LD50) 2830 mg/kg [Rabbit]

Irritancy of Product: This product is irritating to the skin, eyes, respiratory, and digestive tract.

## **SECTION 12: Ecological information**

### **Toxicity**

This product has the potential to be hazardous to aquatic life.

### **Persistence and degradability**

Possibly hazardous short term degradation products are not likely. However, hazardous long term degradation products may arise.

### **Bioaccumulative potential**

ND

### **Other adverse effects**

The products of degradation are less toxic than the product itself.

## **SECTION 13: Disposal considerations**

### **Disposal methods**

### **Product disposal**

Disposal should be made in accordance with federal, state, and local regulations.

## **SECTION 14: Transport information**

### **DOT (US)**

UN Number: UN1824

Class: 8

Packing Group: III

Proper Shipping Name: Sodium hydroxide solution

### **IMDG**

UN Number: UN1824

Class: 8

Packing Group: III

Proper Shipping Name: Sodium hydroxide solution

### **IATA**

UN Number: UN1824

Class: 8

Packing Group: III

Proper Shipping Name: Sodium hydroxide solution

## **SECTION 15: Regulatory information**

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

#### **California Prop. 65 Components**

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

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### Canadian Domestic Substances List (DSL)

Chemical name: Poly(oxy-1,2-ethanediyl),  $\alpha$ -(4-nonylphenyl)- $\omega$ -hydroxy-, branched

CAS: 127087-87-0

Chemical name: Sodium hydroxide (Na(OH))

CAS: 1310-73-2

Chemical name: Water

CAS: 7732-18-5

### Massachusetts Right To Know Components

No components are subject to the Massachusetts Right to Know Act.

Chemical name: Sodium hydroxide

CAS number: 1310-73-2

### New Jersey Right To Know Components

Alkylphenol ethoxylate

CAS-No. 127087-87-0

Common name: SODIUM HYDROXIDE

CAS number: 1310-73-2

Water

CAS-No. 7732-18-5

### Pennsylvania Right To Know Components

Alkylphenol ethoxylate

CAS-No. 127087-87-0

Chemical name: Sodium hydroxide

CAS number: 1310-73-2

Water

CAS-No. 7732-18-5

### SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

### SARA 311/312 Hazards

Acute Health Hazard

No SARA Hazards

### SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

### Chemical Safety Assessment

Federal and State Regulations: Illinois toxic substances disclosure to employee act: Sodium hydroxide Illinois chemical safety act: Sodium hydroxide New York release reporting list: Sodium hydroxide Rhode Island RTK hazardous substances: Sodium hydroxide Pennsylvania RTK: Sodium hydroxide Minnesota: Sodium hydroxide Massachusetts RTK: Sodium hydroxide New Jersey: Sodium

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hydroxide Louisiana spill reporting: Sodium hydroxide California Director's List of Hazardous Substances: Sodium hydroxide  
TSCA 8(b) inventory: Sodium hydroxide  
CERCLA: Hazardous substances.: Sodium hydroxide: 1000 lbs. (453.6 kg)  
OSHA: Components of this product are considered hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances

## SECTION 16: Other information

### Further information/disclaimer

DISCLAIMER: The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of information for their particular purposes. In no event shall INTERCHEM LIMITED be liable for any claims, losses, or damages of any third party or lost profits or any special, indirect, incidental, consequential, or exemplary damages, whatsoever arising, even if INTERCHEM LTD has been advised of the possibility of such damages.

Legend: NA = Not Applicable; ND = Not Determined