

# SAFETY DATA SHEET

## PURT III

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### Product Identification

Product Name: PURT III  
Product Number: C033

#### Company Identification

Harris Research, Inc.  
1530 North 1000 West  
Logan, UT 84321 USA  
1-435-755-0099 (For product information)  
1-800-424-9300 or 1-703-527-3887 (CHEMTREC)

HRI

### 2. HAZARDS IDENTIFICATION

#### **GHS Classification:**

Serious Eye Damage/Eye Irritation - Category 2  
Specific Target Organ - Single Exposure - Category 3  
Serious Eye Damage/Eye Irritation - Category 1  
Acute Toxicity, Oral - Category 4

#### **GHS Hazard Symbols:**



#### **SIGNAL WORD:**

Danger.

#### **GHS Hazard Statements:**

H272 - May intensify fire; oxidizer.  
H302 - Harmful if swallowed.  
H318 - Causes serious eye damage.  
H335 - May cause respiratory irritation.

#### **GHS Precautionary Statements:**

P220 - Keep/Store away from clothing/combustible materials.  
P221 - Take any precaution to avoid mixing with combustibles.  
P264 - Wash hands, forarms, and exposed areas thoroughly after handling.  
P270 - Do no eat, drink or smoke when using this product.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
P301/312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.  
P305/351/338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and



easy to do. Continue rinsing.  
P310 - Immediately call a POISON CENTER or doctor/physician.  
P330 - Rinse mouth.  
P370/378 - In case of fire: Use water, water spray, fog, alcohol-resistant foam, carbon dioxide, dry chemical powder for extinction.  
P501 - Dispose of contents/container to be within local, regional, national, and international regulations..  
P102 - Keep out of reach of children.  
P103 - Read label before use.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

#### COMPONENT LISTING:

Chemical Name	Amount	CAS Number
SODIUM PERCARBONATE	60.0 - 88.0 %	15630-89-4
ETHYLENEDIAMINETETRAACETIC ACID, TETRASODIUM SALT	2.0 - 10.0 %	64-02-8
SODIUM CARBONATE	10.0 - 30.0 %	497-19-8

### 4. FIRST AID MEASURES

#### EYE CONTACT FIRST AID:

Flush eye with water for 15 minutes. Get immediate medical attention.

#### SKIN CONTACT FIRST AID:

Wash skin with plenty of water while removing contaminated clothing and shoes. Get medical attention if irritation develops or persists.

#### INHALATION FIRST AID:

If exposed to excessive levels of dust, remove to fresh air.

#### INGESTION FIRST AID:

If swallowed, do NOT induce vomiting. Rinse mouth with water. Never give anything by mouth to an unconscious person. Contact a physician.

### 5. FIRE FIGHTING MEASURES

#### EXTINGUISHING MEDIA:

Use media suitable for surrounding fire conditions.

#### FIRE & EXPLOSION HAZARDS:

Contact with combustible materials may cause a fire.

#### COMBUSTION PRODUCTS:

This product decomposes to form hydrogen peroxide, carbon dioxide, and oxygen.

#### MISCELLANEOUS:

This product is an oxidizer, which can act to sustain the combustion of flammable materials.

### 6. ACCIDENTAL RELEASE MEASURES

#### SAFEGUARDS (PERSONNEL):

Protect skin and eyes from exposure. If excessive dust is created, wear dust mask or respirator to keep exposure below the Permissible Exposure Level for particulate matter.



**INITIAL CONTAINMENT:**

Contain spilled material.

**SMALL SPILLS PROCEDURE:**

Sweep up, then place into a suitable container for disposal.

## 7. HANDLING AND STORAGE

**HANDLING (PERSONNEL):**

Avoid breathing dust. Avoid contact with eyes, skin, and clothing.

**HANDLING (PHYSICAL ASPECTS):**

Store in a cool dry area. Avoid extreme temperatures.

**STORAGE PRECAUTIONS:**

Do not store near combustible materials.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**EYE / FACE PROTECTION REQUIREMENTS:**

Where contact with this material is likely, eye protection is recommended. Wear safety glasses.

**SKIN PROTECTION REQUIREMENTS:**

Wear protective gloves to minimize skin contamination. Impervious gloves, such as PVC, nitrile rubber, or latex gloves.

**RESPIRATORY PROTECTION REQUIREMENTS:**

Under normal use conditions, with adequate ventilation, no special handling equipment is required.

**EXPOSURE GUIDELINES:**

No Information Available.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

FORM:	Powder
COLOR:	White
ODOR:	Slight, sweet odor
SOLUBILITY IN WATER:	Slight
PH:	9.5-10.5 (2.5 % solution)

**FLAMMABLE PROPERTIES**

COC Flash Point: None

TCC Flash Point: None

Autoignition Temperature: None

**FLAMMABLE LIMITS IN AIR**

LEL: None

UEL: None

## 10. STABILITY AND REACTIVITY

**STABILITY:**

Stable when dry.



**POLYMERIZATION:**

Hazardous polymerization will not occur.

**INCOMPATIBILITY WITH OTHER MATERIALS:**

This material is incompatible with organic materials, heavy metals, oils and greases. Contamination with moisture, acids, reducing agents and metallic ions may cause decomposition.

**DECOMPOSITION:**

Decomposition may produce hydrogen peroxide, oxides of carbon and oxygen.

**CONDITIONS TO AVOID:**

Avoid moisture, high temperatures, and exposure to incompatible materials.

## 11. TOXICOLOGICAL INFORMATION

**EYE EFFECTS:**

Causes serious eye damage.

**SKIN EFFECTS:**

May cause skin irritation.

**ACUTE ORAL EFFECTS:**

Irritating to mouth, throat, and stomach.

**ACUTE INHALATION EFFECTS:**

Causes respiratory tract irritation. Inhalation of dust may be irritating to the nose, throat, or respiratory tract.

**Sodium percarbonate**

Test Code: Oral LD50

Species: Rat

Results: 2400 mg/Kg

**Ethylenediaminetetraacetic acid, tetrasodium salt**

Test Code: Oral LD50

Species: Rat

Results: > 2000 mg/kg

**SODIUM CARBONATE**

Test Code: Oral LD50

Species: Rat

Results: 4090 mg/Kg

## 12. ECOLOGICAL INFORMATION

**Ethylenediaminetetraacetic acid, tetrasodium salt**

Test Code: EC50

Description: Acute

Species: Daphnia

Results: 159.6 mg/l (24 hrs)

**SODIUM CARBONATE**

Test Code: LC50 96HR

Species: Daphnia Magna

Results: 265-565 mg/l



## 13. DISPOSAL CONSIDERATIONS

### WASTE DISPOSAL:

Neutralize with weak acid (e.g., vinegar) and flush to sewer. Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements.

## 14. TRANSPORT INFORMATION

PRODUCT LABEL:	PURT III
D.O.T. SHIPPING NAME:	Cleaning Product
D.O.T. LABEL:	Limited Quantity

### MISCELLANEOUS:

D.O.T. Shipping Classification: UN3378, Sodium Carbonate Peroxyhydrate, Oxidizer 5.1, Packaging Group III. (Limited Quantity: 5.0 kg).

IATA Shipping Classification: UN3378, Sodium Carbonate Peroxyhydrate, Oxidizer 5.1, Packaging Group III. (Limited Quantity: 10.0 kg).

IMO/IMDG Shipping Classification: UN3378, Sodium Carbonate Peroxyhydrate, Oxidizer 5.1, Packaging Group III. (Limited Quantity: 5.0 kg).

## 15. REGULATORY INFORMATION

### REGULATORY LISTS SEARCHED:

01 = SARA TITLE III SECTION 302

03 = RCRA HAZARDOUS WASTE CODES

05 = CLEAN AIR ACT

02 = SARA Title III Section 313

04 = CERCLA Hazardous Substances

06 = California Prop. 65

### EEC Symbols and Indications of Danger:

None

### R-Phrases:

R8 - Contact with combustible material may cause fire.

R22 - Harmful if swallowed.

R41 - Risk of serious damage to eyes.

R36/37/38 - Irritating to eyes, respiratory system, and skin.

R53 - May cause long-term adverse effects in the aquatic environment.

### S-Phrases:

S22 - Do not breathe dust.

S24/25 - Avoid contact with skin and eyes.

S1/2 - Keep locked up and out of the reach of children.

S15.1 - Keep away from heat and flame.

S37/39 - Wear suitable gloves and eye/face protection.

S8 - Keep container dry.

### WHMIS Hazard Symbols:

None

### Canadian Disclosure List

SODIUM CARBONATE (497-19-8)

### MISCELLANEOUS INFORMATION:

This material or all of its components are listed on the Inventory of Existing Chemical Substances under the Toxic



Substance Control Act (TSCA).

## 16. OTHER INFORMATION

PREPARED BY:	Sterling Nesbit
APPROVED BY:	Sterling Nesbit
TITLE:	Lab
APPROVAL DATE:	December 16, 2020
SUPERCEDES DATE:	December 15, 2020
RTN NUMBER:	00000325 (Official Copy)

