

SAFETY DATA SHEET

SDS No.1002-0019

Revised date June 7, 2022

1/4 page

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : Porapak N
NAME OF MANUFACTURER : Waters Corporation Waters Technologies Corporation
ADDRESS : 34 Maple St, Milford, MA 01757 USA
CHARGE SECTION : International Sales Section
TELEPHONE No. : +1-508-482-2000
FACSIMILE No. : - - -
NON-EMERGENCY PHONE NUMBER :
: In case of EMERGENCY call CHEMTREC Day or Night
Within USA and Canada: 800-424-9300
International Call Collect: +1-703-527-3887
NAME OF SUPPLIER : GL Sciences Inc.
ADDRESS : 22-1 Nishishinjuku 6-chome Shinjuku-ku Tokyo 163-1130, Japan
CHARGE SECTION : International Sales Section
TELEPHONE No. : +81-3-5323-6620
FACSIMILE No. : +81-3-5323-6621
PRODUCT No. : 1002-11705, 1002-11708, 1002-11710, 1003-
SDS No. : 1002-0019
Research use only.

2. HAZARDS IDENTIFICATION

This product is the packing material using for such as chromatography analysis, researches and developments.
Although the column packed with is not dangerous goods, we show some data about this packing material for the information supplement below.

GHS CLASSIFICATION : Classification not possible
HAZARDS SYMBOL : - - -
SIGNAL WORD : - - -
HAZARD STATEMENTS : - - -
PRECAUTIONARY STATEMENTS : - - -
HAZARD INFORMATION : May cause respiratory tract irritation if inhaled.
May cause eye, skin and mucous irritations if contact with.
May be harmful if ingested.
May induce damage to the lung through prolonged or repeated exposure.
MOST IMPORTANT HAZARDS : Irritation of eyes, skin, respiratory system.

3. COMPOSITION/INFORMATION ON INGREDIENTS

SUBSTANCE / MIXTURE : Substance
COMMON CHEMICAL NAME : PORAPAK N
SYNONYMS : Polymer Beads、Divinylbenzene-Ethylvinylbenzene-Ethylene glycol dimethacrylate copolymer
CHEMICAL FORMULA : - - -
MOLECULAR WEIGHT : - - -
CONTENT : - - -
CAS RN. : - - -
TSCA INVENTORY : Listed
EINECS No. : Not established
EC INDEX No. : Not established

4. FIRST AID MEASURES

GENERAL ADVICE : Consult a physician. Show this safety data sheet to the doctor in attendance.
INHALATION : Move victim to fresh air. If breathing is difficult, give oxygen. If irritation persists, consult a physician.
SKIN CONTACT : Remove contaminated clothes and shoes, rinse skin with plenty of water or shower. Use soap to help assure removal. Consult a physician immediately.

- EYE CONTACT** : Flush eyes well with flooding large amounts of running water for at least 15 minutes. Assure adequate flushing by separating the eyelids with sterile fingers. If possible, remove any contact lenses. Consult a physician immediately.
- INGESTION** : Rinse mouth, give plenty of water to dilute the substance. Do not induce vomiting. Never give anything by mouth to an unconscious person. Consult a physician immediately.
- MOST IMPORTANT SYMPTOMS** : Irritating on contact with eyes, skin and mucous membranes. Long –term exposure may cause symptoms such as discomfort, abdominal pain, diarrhea, and nausea.
- SPECIAL MEDICAL PROCEDURE** : Not necessary.

5. FIRE FIGHTING MEASURES

- EXTINGUISHING MEDIA** : Water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- FIRE & EXPLOSION HAZARDS** : Toxic, irritating, dust/fume/smoke may be emitted. Carbon monoxide may be foamed.
- SPECIAL PROTECTIVE EQUIPMENT**
FOR FIRE FIGHTERS : Firemen should wear normal protective equipment(full bunker gear) and positive-pressure self-contained breathing apparatus.
- SPECIFIC HAZARDS ARISING FROM THE CHEMICAL**
 (e.g., nature of any hazardous combustion products)
 : Wear appropriate protective equipment to prevent inhalation of smoke when extinguishing a fire, as it produces irritating or toxic fume (or gas) during a fire.

6. ACCIDENTAL RELEASE MEASURES

- PERSONAL PRECAUTIONS** : Remove ignition sources and ventilate the area. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid raising dust and avoid contact with skin and eyes.
- ENVIRONMENTAL PRECAUTIONS** : Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.
- METHODS AND MATERIALS**
FOR CONTAINMENT AND CLEANING UP
 : Dispose of with appropriate protective equipment. Remove by adsorbing to earth and sand, adsorbent, etc. Collect in an empty container that can be sealed and dispose of properly.

7. HANDLING AND STORAGE

- HANDLING** : Keep away from ignition sources and ventilate the area. In case of insufficient ventilation, wear suitable respiratory equipment.
 Avoid contact with eyes, skin, and clothing. Avoid inhalation of vapour or mist. Avoid prolonged or repeated exposure. Handle this product with suitable protection.
- CONDITIONS FOR SAFE STORAGE**
 : Store away from sunlight, heat and all ignition sources in well-ventilated dry place. Keep container tightly closed.
- INCOMPATIBLE PRODUCTS** : Strong oxidizers, acids.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

- ENGINEERING MEASURES** : Use exhaust ventilation to keep airborne concentrations below exposure limits.
 Use adequate ventilation.
- VENTILATION** : Local Exhaust ; Necessary, Mechanical(General) ; Recommended
- CONTROL PARAMETERS**
ACGIH : Not established
OSHA PEL : Not established
NIOSH REL : Not established

PERSONAL PROTECTION

Respiratory protection : Use respirators approved under appropriate government standards and follow all regulations.

HAND PROTECTION : Chemical resistant gloves

EYE PROTECTION : Safety glasses(goggles)

SKIN PROTECTION : Protective clothing

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE : Solid (Powder)

COLOUR : White

ODOR : Odorless

MELTING POINT / FREEZING POINT

: No data available

BOILING POINT OR INITIAL BOILING POINT AND BOILING RANGE

: No data available

FLAMMABILITY : No data available

LOWER AND UPPER EXPLOSION LIMIT / FLAMMABILITY LIMIT

: No data available

FLASH POINT : No data available

AUTO-IGNITION TEMPERATURE : No data available

DECOMPOSITION TEMPERATURE

: No data available

pH : No data available

KINEMATIC VISCOSITY : Not applicable

SOLUBILITY : Insoluble

PARTITION COEFFICIENT

n-octanol/water (log value) : No data available

VAPOUR PRESSURE : No data available

DENSITY AND/OR RELATIVE DENSITY

: No data available

RELATIVE VAPOUR DENSITY : Not applicable

PARTICLE CHARACTERISTICS : Average particle size : 50/80mesh~100/120mesh

10. STABILITY AND REACTIVITY

REACTIVITY : No data available

CHEMICAL STABILITY : Stable under recommended storage conditions.

POSSIBILITY OF HAZARDOUS REACTIONS

: Reacts with strong oxidizers.

CONDITION TO AVOID : Sunlight, heat, open flames, high temperature, sparks, static electrical charge, other ignition sources, moisture

INCOMPATIBLE MATERIALS : Oxidizers and strong acids

HAZARDOUS DECOMPOSITION PRODUCTS

: CO, CO₂ may be formed.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY : No data available

SKIN CORROSION/IRRITATION : No data available

EYE DAMAGE/EYE IRRITATION : No data available

RESPIRATORY OR SKIN SENSITIZATION

: No data available

GERM CELL MUTAGENICITY : No data available

CARCINOGENICITY : No data available

REPRODUCTIVE TOXICITY : No data available

SPECIFIC TARGET ORGAN TOXICITY

: No data available

ASPIRATION TOXICITY : No data available

12. ECOLOGICAL INFORMATION

HAZARDOUS TO THE AQUATIC ENVIRONMENT

: No data available

BIODEGRADABILITY	:	No data available
BIOACCUMULATION POTENTIAL	:	No data available
MOBILITY IN SOIL	:	No data available
OTHER ADVERSE EFFECTS	:	Not listed in Montreal Protocol list.

13. DISPOSAL INFORMATION

Dispose in a hazardous-waste site in accordance with all applicable regulations. Any disposal practice must be in compliance with country, local, state, and federal laws and regulations (contact country, local or state environment agency for specific rules).

14. TRANSPORT INFORMATION

International Regulations

Maritime regulations : Conform to the provisions of IMO.

UN No. : Not regulated

Proper Shipping Name : -

Class : -

Packing Group : -

Marine Pollutant : Not applicable

Aviation regulations : Conform to the provisions of ICAO/IATA.

UN No. : Not regulated

Proper Shipping Name : -

Class : -

Packing Group : -

15. REGULATORY INFORMATION

For classification and labeling of chemicals in accordance with the applicable rules and regulations in the EU or each country, refer to GHS classification of this product (See Section 2).

US REGULATION : OSHA HCS 2012/29 CFR 1910.1200

EU REGULATION : CLP Regulation ((EC) No. 1272/2008)

16. OTHER INFORMATION

NOTICE:

The information contained in the SDS description is applicable exclusively to the chemical substance identified herein and for its intended use as an analytical reference standard or reagent and to the unit quantity intended for that purpose. The information does not relate to, and may not be appropriate for, any application or larger quantity of the substance described. Our products are intended for the use by individuals possessing sufficient technical skill and qualification on use the material potential hazardous chemical. Accordingly, no representation or warranty, express or implied, with respect to merchantability and fitness for a particular purpose is made with respect to the information contained herein.

Attention:

This product in terms of chemical identity and the unit amount provide is intended for use in chemical analysis and not for human consumption, nor any other purpose.