

SAFETY DATA SHEET

SDS No.1002-0015

Revised date May 18, 2022

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1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : PORAPAK QS
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. : 1002-11405, 1002-11408, 1002-11410, 1002-, 1003-
SDS No. : 1002-0015
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 QS
SYNONYMS : Polymer Beads, Ethylvinylbenzene - Divinylbenzene copolymer
CHEMICAL FORMULA : $[C_2H_5C_6H_4CHCH_2]_x [(CH_2CH)_2C_6H_4]_y$
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 : 3 mg/m³ as respirable; 10 mg/m³ as inhalable; PNOS

OSHA PEL : TWA 15 mg/m³(total), TWA 5 mg/m³(resp.) as Particulates not otherwise regulated(PNOS)

NIOSH REL : No data available

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
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, CO ₂ 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.