Safety Data Sheet
MicroTorr Series, 702, 7020 & 703 media

Safety Data Sheet dated 5/01/2015, version 1

1. IDENTIFICATION
Product identifier
Mixture identification: MicroTorr Series, 702, 7020 & 703 media
Trade name: RBSDSU104621
Other means of identification:
Document number:
Recommended use of the chemical and restrictions on use
Recommended use:
Gas purifier
Restrictions on use:
All uses not listed as recommended
Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party
Company:
SAES Pure Gas, Inc.
4175 Santa Fe Road
San Luis Obispo, CA 93401 – USA
Tel +1 805 541 9299 Fax +1 805 541 9399
Competent person responsible for the safety data sheet:
sds@saes-group.com
Emergency phone number
CHEMTREC PHONE
+1 (800) 424-9300 (US emergencies)
+1 703 527 3587 (international emergencies)

2. HAZARD(S) IDENTIFICATION
Classification of the chemical
Danger, Self-Heating solid 1, May catch fire.
Warning, STOT SE 2, May cause damage to organs.

Label elements
Symbols:

Danger
Hazard statements:
H251 Self-heating: may catch fire.
H371 May cause damage to organs.
Precautionary statements:
P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P222 Do not allow contact with air.
P260 Do not breathe dust/fume/gas.
P264 Wash hands thoroughly after handling.
P370+P378 In case of fire: Use type D fire extinguisher.
P422 Store contents under inert gas
5. FIRE-FIGHTING MEASURES
   Suitable extinguishing media:
   Type D extinguishing media. Do not use water.
   Unsuitable extinguishing media:
   Water
   Specific hazards arising from the chemical
   Do not inhale explosion and combustion gases.
   Burning produces heavy smoke.
   Hazardous combustion products:
   None
   Explosive properties: N.A.
   Oxidizing properties: N.A.
   Special protective equipment and precautions for fire-fighters
   Use suitable breathing apparatus.
   Collect contaminated fire extinguishing water separately. This must not be discharged into
   drains.
   Move undamaged containers from immediate hazard area if it can be done safely.

6. ACCIDENTAL RELEASE MEASURES
   Personal precautions, protective equipment, and emergency procedures
   Wear personal protection equipment.
   Remove all sources of ignition.
   Remove persons to safety.
   See protective measures under point 7 and 8.
   Methods and materials for containment and cleaning up
   Clean up contaminated area and avoid creating dust.
   Properly package all spill residue in an UN approved container

7. HANDLING AND STORAGE
   Precautions for safe handling
   Avoid contact with skin and eyes, inhalation of vapors and mists.
   Do not eat or drink while working.
   See also section 8 for recommended protective equipment.
   Conditions for safe storage, including any incompatibilities
   Keep closed and store sealed metal containers under inert gas.
   Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.
   Keep away from food, drink and feed.
   Incompatible materials:
   None in particular.
   Instructions as regards storage premises:
   Cool and adequately ventilated.
   Storage temperature:
   Store at ambient temperature (<49°C, 120° F)

8. EXPOSURE CONTROLS/PERSOAL PROTECTION
   Control parameters
   No occupational exposure limit available
   DNEL Exposure Limit Values
   N.A.
   PNEC Exposure Limit Values
   N.A.
   Appropriate engineering controls:
   None
   Individual protection measures
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Oxygen
Hazardous decomposition products
Toxic or harmful metal oxides

11. TOXICOLOGICAL INFORMATION
Information on toxicological effects
Toxicological information of the mixture:
N.A.
Toxicological information of the main substances found in the mixture:
N.A.
Substance(s) listed on the NTP report on Carcinogens:
None.
Substance(s) listed on the IARC Monographs:
Quartz - Group 1.
Substance(s) listed as OSHA Carcinogen(s):
None.
Substance(s) listed as NIOSH Carcinogen(s):
None.

12. ECOLOGICAL INFORMATION
Ecotoxicity
Adopt good working practices, so that the product is not released into the environment.
N.A.
Persistence and degradability
N.A.
Bioaccumulative potential
N.A.
Mobility in soil
N.A.
Other adverse effects
None

13. DISPOSAL CONSIDERATIONS
Waste treatment and disposal methods
Used purifying media may show different hazardous characteristics than those reported in this SDS for fresh media. It is the responsibility of the user to determine the characteristics of the waste. Recover, if possible. Send to authorized Treatment, Storage, and Disposal Facility or for disposal under controlled conditions. In so doing, comply with the local and national regulations currently in force.

14. TRANSPORT INFORMATION

DOT Special Permit: 11447-14152
UN number
DOT-UN Number: 2881
IATA-UN Number: 2881
IMDG-UN Number: 2881
UN proper shipping name
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Quartz.
New Jersey Right to know
Substance(s) listed under New Jersey Right to know:
Quartz.
Pennsylvania Right to know
Substance(s) listed under Pennsylvania Right to know:
No substances listed.

16. OTHER INFORMATION
Full text of phrases referred to in Section 3:
H371 May cause damage to organs if inhaled.
P270 Do no eat, drink or smoke when using this product.

Safety Data Sheet dated 7/15/2014, version 1
Disclaimer:
The information contained herein is based on our state of knowledge at the above-specified date. It
refers solely to the product indicated and constitutes no guarantee of particular quality. The
information relates only to the specific material and may not be valid for such material used in
combination with any other material or in any process.
This Safety Data Sheet cancels and replaces any preceding release.

ACGIH: American Conference of Governmental Industrial Hygienists
ADR: European Agreement concerning the International Carriage of
Dangerous Goods by Road.
CAS: Chemical Abstracts Service (division of the American Chemical Society).
CLP: Classification, Labeling, Packaging.
DNEL: Derived No Effect Level.
EINECS: European Inventory of Existing Commercial Chemical Substances.
GHS: Globally Harmonized System of Classification and Labeling of
Chemicals.
HMIS: Hazardous Materials Identification System
IARC: International Agency for Research on Cancer
IATA: International Air Transport Association.
IATA-DGR: Dangerous Goods Regulation by the "International Air Transport
Association" (IATA).
ICAO: International Civil Aviation Organization.
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization"
(ICAO).
INCI: International Nomenclature of Cosmetic Ingredients.
Kst: Explosion coefficient.
LC50: Lethal concentration, for 50 percent of test population.
LD50: Lethal dose, for 50 percent of test population.
LTE: Long-term exposure.
N.A. Not Available / Not Applicable
NFPA: National Fire Protection Association
NIOSH: National Institute for Occupational Safety and Health
NTP: National Toxicology Program
OSHA: Occupational Safety and Health Administration
PEL: Permissible Exposure Limit
PNEC: Predicted No Effect Concentration.
RID: Regulation Concerning the International Transport of Dangerous Goods
by Rail.
STE: Short-term exposure.