

Material Safety Data Sheet

Revision Date: 04/22/2007
Z30000000185/Version: 1.0
Print Date: 11/09/2010
Page: 1/5

1. Identification of the substance/mixture and of the company/undertaking

Product name: X-GAS

Product code: 10055655

Supplier: Carestream Health, Inc., 150 Verona Street, Rochester, New York 14608; Carestream Health Canada Company, 6 Monogram Place, Suite 200, Toronto, Ontario, M9R 0A1

For Emergency Health Information call, (800) 424-9300

For other information contact 800-328-2910.

Synonyms: None.

2. Hazards identification

**LOW PHYSICAL HAZARD FOR USUAL INDUSTRIAL OR COMMERCIAL HANDLING
EXPECTED TO BE A LOW HEALTH HAZARD FOR RECOMMENDED HANDLING**

HMIS II Hazard Ratings:

Health - 1, Flammability - 0, Reactivity (Stability) - 0

NFPA Hazard Ratings:

Health - 2, Flammability - 0, Instability - 0

NOTE: HMIS II and NFPA hazard indexes involve data review and interpretation that may vary among companies. They are intended only for rapid, general identification of the magnitude of the potential hazards. An asterisk (*), in the HMIS II health field, designates potential chronic or target organ hazards. To adequately address safe handling, ALL information in this MSDS must be considered.

3. Composition/information on ingredients

Weight %	Components (CAS-No.)
90 - 99	Water (7732-18-5)
5 - 10	Gelatins (9000-70-8)
< 1	Gold compound (not applicable)

4. First aid measures

Inhalation: If symptomatic, move to fresh air. Treat symptomatically. Get medical attention if symptoms occur.

Eyes: Any material that contacts the eye should be washed out immediately with water. Get medical attention if symptoms occur.

Material Safety Data Sheet

Revision Date: 04/22/2007
Z30000000185/Version: 1.0
Print Date: 11/09/2010
Page: 2/5

Skin: Wash off with soap and water. Get medical attention if symptoms occur.

Ingestion: Drink 1 or 2 glasses of water. Get medical attention. Never give anything by mouth to an unconscious person.

5. Fire-fighting measures

Extinguishing Media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Special Fire-Fighting Procedures: Wear self-contained breathing apparatus and protective clothing. Fire or excessive heat may produce hazardous decomposition products.

Hazardous Combustion Products: None (noncombustible) (see also Hazardous Decomposition Products section).

Unusual Fire and Explosion Hazards: None.

6. Accidental release measures

Methods for cleaning up: Absorb spill with inert material, then place in a chemical waste container. Clean contaminated surface thoroughly.

7. Handling and storage

Personal precautions: Avoid breathing mist or vapour from heated material. Avoid contact with eyes, skin, and clothing. Ensure adequate ventilation. Wash thoroughly after handling.

Prevention of Fire and Explosion: No special technical protective measures required.

Storage: Keep refrigerated. Keep container tightly closed. Keep away from incompatible substances (see Incompatibility section.)

8. Exposure controls / personal protection

Occupational exposure controls: Not established

Ventilation: Good general ventilation should be used. Ventilation should be sufficient so that applicable occupational exposure limits are not exceeded. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory protection may be needed in special circumstances.

Respiratory protection: If engineering controls do not maintain airborne concentrations to an acceptable level, an approved respirator must be worn. Respirator type: N95 Particulate Filter. If respirators are used, a program should be instituted to assure compliance with OSHA Standard 29 CFR 1910.134.

Eye protection: It is a good industrial hygiene practice to minimize eye contact. Wear safety glasses with side shields (or goggles).

Material Safety Data Sheet

Revision Date: 04/22/2007
Z30000000185/Version: 1.0
Print Date: 11/09/2010
Page: 3/5

Skin and body protection: It is a good industrial hygiene practice to minimize skin contact. For operations where prolonged or repeated skin contact may occur, impervious gloves should be worn.

Recommended Decontamination Facilities: Safety shower, eye wash, washing facilities as appropriate to condition of use.

9. Physical and Chemical Properties

Physical form: solid (gel)

Colour: No data available

Odour: No data available

Specific gravity: > 1

Vapour pressure: No data available

Vapor density (air = 1): No data available

Volatile fraction by weight:

Boiling point/range: > 100.0 °C (> 212.0 °F) (estimated)

Melting point/range: > 40.0 °C (> 104.0 °F) (estimated)

Water solubility: dispersible

pH: not applicable

Flash point: not applicable, noncombustible solid

10. Stability and reactivity

Stability: Stable

Incompatibility: None with common materials and contaminants with which the material may reasonably come into contact.

Hazardous decomposition products: Carbon oxides, nitrogen oxides (NO_x).

Hazardous Polymerization: Hazardous polymerisation does not occur.

11. Toxicological information

Effects of Exposure

Inhalation: Expected to be a low hazard for recommended handling.

Eyes: No specific hazard known. May cause transient irritation.

Material Safety Data Sheet

Revision Date: 04/22/2007
Z30000000185/Version: 1.0
Print Date: 11/09/2010
Page: 4/5

Skin: Expected to be a low hazard for recommended handling.

Ingestion: Expected to be a low hazard for recommended handling.

12. Ecological information

This material has not been tested for environmental effects.

13. Disposal considerations

Discharge, treatment, or disposal is subject to national, state, provincial, or municipal laws. Since emptied containers retain product residue, follow label warnings even after container is emptied.

14. Transport information

Not regulated for all modes of transportation.

For more transportation information, go to: <http://ship.carestreamhealth.com>.

15. Regulatory information

U.S. California Prop. 65: none

Carcinogenicity Classification (components present at 0.1% or more):

International Agency for Research on Cancer (IARC): none

American Conference of Governmental Industrial Hygienists (ACGIH): none

U.S. National Toxicology Program (NTP): none

U.S. Occupational Safety and Health Administration (OSHA): none

Chemical(s) subject to the reporting requirements of U.S. Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372:
none

16. Other information

US/Canadian Label Statements:

**LOW PHYSICAL HAZARD FOR USUAL INDUSTRIAL OR COMMERCIAL HANDLING
EXPECTED TO BE A LOW HEALTH HAZARD FOR RECOMMENDED HANDLING**

Avoid breathing mist or vapour from heated material.

Avoid contact with eyes, skin, and clothing.

Ensure adequate ventilation.

Wash thoroughly after handling.

Keep refrigerated.

FIRST AID: Treat symptomatically. Get medical attention if symptoms occur.

Keep out of reach of children.

Material Safety Data Sheet

Revision Date: 04/22/2007
Z30000000185/Version: 1.0
Print Date: 11/09/2010
Page: 5/5

For additional information, see Material Safety Data Sheet (MSDS) for this material.

Additional hazard precautions for containers greater than 1 gallon of liquid or 5 pounds of solid:

Since emptied containers retain product residue, follow label warnings even after container is emptied.

IN CASE OF SPILL: Absorb spill with inert material, then place in a chemical waste container.

The information contained herein is furnished without warranty of any kind. Users should consider these data only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use and disposal of these materials and the safety and health of employees and customers and the protection of the environment. The information relating to the working solution is for guidance purposes only, and is based on correct mixing and use of the product according to instructions.

R-1, S-1, F-0, C-0