

MATERIAL SAFETY DATA SHEET

This form may be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200.
IDENTITY (As Used on Label and List): **Gallium fluoride, pieces**
Product Code: **G-MSDS0002** Reference #: **7783-51-9**

SECTION I - PRODUCT IDENTIFICATION Gallium fluoride, pieces

MANUFACTURER NAME AND ADDRESS:

ProChem, Inc.
826 Roosevelt Rd.
Rockford IL 61109

TELEPHONE NUMBERS:

CHEMTREC	(800)424-9300
ProChem, Inc.	(800) 795-8788
Local Poison/Emrgncy	() - 911

DATES:

Date Created:
04/06/1990
Revision: 04/29/1993
Printed: 01/28/2004

SYNONYMS

Gallium fluoride, gallium trifluoride.

CHEMICAL FAMILY: Metal halide

DOT HAZARD LABEL: No data.

FORMULA: GaF3

MOLECULAR WEIGHT: 126.72

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION Gallium fluoride, pieces

HAZARDOUS COMPONENTS (CHEMICAL NAME)

<u>NAME:</u>	Gallium fluoride	<u>PERCENTAGE:</u>	100.0 %
<u>CAS #:</u>	7783-51-9	<u>ACGIH TLV:</u>	2.5 mg(F)/m3
<u>OSHA PEL:</u>	2.5 mg(F)/m3	<u>SEC.304 RO:</u>	No
<u>OTHER LIMITS:</u>	NE		
<u>SEC.302 (EHS):</u>	No		
<u>SEC.313:</u>	No		

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS Gallium fluoride, pieces

<u>PHYSICAL STATES:</u>	[] Gas , [] Liquid , [X] Solid
<u>BOILING POINT:</u>	950.00 C (1742.0 F)
<u>MELTING POINT:</u>	1000.00 C (1832.0 F)
<u>SPECIFIC GRAVITY (WATER = 1):</u>	4.47 at 25.0 C (77.0 F)
<u>DENSITY:</u>	No data.
<u>VAPOR PRESSURE (VS. AIR OR MM HG):</u>	NA
<u>VAPOR DENSITY (VS. AIR = 1):</u>	NA

EVAPORATION RATE (VS BUTYL ACETATE=1): NA
SOLUBILITY IN WATER: 2.4kg/100m at 25.0 C (77.0 F)
PERCENT VOLATILE: N.A.
PH: No data.
APPEARANCE AND ODOR

White crystalline pieces, no odor.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA
Gallium fluoride, pieces

FLASH PT: N.A. **METHOD USED:** NONE
EXPLOSIVE LIMITS: LEL: NA UEL: NA
EXTINGUISHING MEDIA

USE: Not applicable. Use suitable extinguishing media for surrounding materials and type of fire.

SPECIAL FIRE FIGHTING PROCEDURES

Firefighters must wear full face, self-contained breathing apparatus with full protective clothing to prevent contact with skin and eyes. Fumes from fire are hazardous. Isolate runoff to prevent environmental pollution.

UNUSUAL FIRE AND EXPLOSION HAZARDS

When heated to decomposition or comes in contact with acids/acid fumes, gallium fluoride may emit toxic fumes of fluorine.

SECTION V - REACTIVITY DATA
Gallium fluoride, pieces

STABILITY: Unstable [] Stable [X]
CONDITIONS TO AVOID - INSTABILITY

None

INCOMPATIBILITY - MATERIALS TO AVOID

Acids and alkali metals.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

Fumes of fluorine.

HAZARDOUS POLYMERIZATION: Will occur [] Will not occur [X]
CONDITIONS TO AVOID - HAZARDOUS POLYMERIZATION

None

SECTION VI - HEALTH HAZARD DATA
Gallium fluoride, pieces