

MSDS for Gallium Antimonide

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name:	Gallium Antimonide	C.A.S. Number: 12064-03-8
Chemical Formula:	GaSb	Mol. Wt. 191.47
Manufacturer:	ProChem, Inc.	
Address:	826 Roosevelt Rd Rockford, IL 61109	Tel: 815-398-1788 Fax: 815-398-1810

2. COMPOSITION

Chemical:	Pure Compound	36.4 wt% Ga 63.6 wt% Sb
OES (8h TWA)	Ga	N/A
OES (8hr TWA):	Sb	0.5mg m ⁻³

3. HAZARD IDENTIFICATION

Harmful by inhalation and if swallowed.
Gives rise to hazardous decomposition products

4. FIRST AID MEASURES

Inhalation:	Remove patient from exposure. Obtain medical attention.
Skin contact:	Wash immediately with water. If symptoms occur, obtain medical attention.
Eye contact:	Irrigate with clean water or eyewash solution for at least 10 mins.
Ingestion:	Wash out mouth with water. Obtain immediate medical attention.

5. FIRE FIGHTING MEASURES

Extinguishing Media:	Use dry extinguishers suitable for metal fires
Special Hazards:	Product will thermally decompose above 600°C evolving toxic vapours of antimony and oxides of antimony. Reaction with acid and/or steam may release stibine gas which is toxic (TLV 0.1 ppm).
Protective Equipment:	Wear full protective equipment and self-contained breathing apparatus. Take measures appropriate for antimony metal.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Wear protective equipment including gloves and appropriate respiratory protection.
Environment:	Prevent any release to drains or water courses or emission of dust or fumes to air.
Spillages:	Collect all material and transfer to closed container for disposal.

7. HANDLING AND STORAGE

Handling:	Do not breathe dust. When using do not eat, drink or smoke. Avoid contact with skin and eyes. Atmospheric concentrations should be
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