

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: ANTIMONY PENTACHLORIDE

1. Chemical Product and Company Identification

**ProChem Incorporated
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**24-HOUR EMERGENCY TELEPHONE
NUMBER: CHEMTREC (800) 424-9300**

**PRODUCT NAME: ANTIMONY PENTACHLORIDE
CHEMICAL NAME: Antimony (V) Chloride
COMMON NAMES/SYNONYMS: Antimony(V) Chloride
TDG (Canada) CLASSIFICATION: 8 (9.2)
WHMIS CLASSIFICATION: E, D2B**

PREPARATION DATE: 6/1/95

REVIEW DATES: 01/05/05

2. Composition, Information on Ingredients

EXPOSURE LIMITS¹:

INGREDIENT	% VOLUME	PEL-OSHA²	TLV-ACGIH³	LD₅₀ or LC₅₀ Route/Species
Antimony Pentachloride FORMULA: SbCl ₅ CAS: 7647-18-9 RTECS #: CC5075000	100.0	0.5 mg/m ³ TWA as Sb	0.5 mg/m ³ TWA as Sb	LC ₅₀ : 720 mg/m ³ Inhalation/rat (2 H)

¹ Refer to individual state or provincial regulations, as applicable, for limits which may be more stringent than those listed here.

² As stated in 29 CFR 1910, Subpart Z (revised July 1, 1993)

³ As stated in the ACGIH 1998-1999 Threshold Limit Values for Chemical Substances and Physical Agents.

OSHA Regulatory Status: This material is classified as hazardous under OSHA regulations.

3. Hazards Identification

EMERGENCY OVERVIEW

Colorless to reddish yellow liquid with pungent odor. Corrosive to exposed tissues. Inhalation of vapors may result in pulmonary edema and chemical pneumonitis. Inhalation may damage the liver, kidneys and bladder. Forms hydrochloric acid, hydrogen chloride, and antimony pentoxide on contact with moisture. Nonflammable.