

# 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): **Scandium iodide, powder and pieces**  
Product Code: **S-MSDS0067** Reference #: **14474-33-0**

## SECTION I - PRODUCT IDENTIFICATION Scandium iodide, powder and 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:  
07/10/1991  
Revision: 04/13/1995  
Printed: 01/28/2004

### SYNONYMS

Scandium iodide; scandium triiodide anhydrous

CHEMICAL FAMILY: Metal halide

DOT HAZARD LABEL: No data.

FORMULA: ScI3

MOLECULAR WEIGHT: 425.67

## SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION Scandium iodide, powder and pieces

### HAZARDOUS COMPONENTS (CHEMICAL NAME)

<u>NAME:</u>	Scandium iodide	<u>PERCENTAGE:</u>	0.0 -100.0 %
<u>CAS #:</u>	14474-33-0	<u>ACGIH TLV:</u>	NE
<u>OSHA PEL:</u>	NE	<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 Scandium iodide, powder and pieces

### PHYSICAL STATES:

### BOILING POINT:

### MELTING POINT:

### SPECIFIC GRAVITY (WATER = 1):

### DENSITY:

### VAPOR PRESSURE (VS. AIR OR MM HG):

### VAPOR DENSITY (VS. AIR = 1):

[ ] Gas , [ ] Liquid , [ X ] Solid  
N.A.  
N.A.  
NE  
No data.  
NA  
NA

**EVAPORATION RATE (VS BUTYL ACETATE=1):** NA  
**SOLUBILITY IN WATER:** NE  
**PERCENT VOLATILE:** N.A.  
**PH:** No data.  
**APPEARANCE AND ODOR**

Powder and pieces, no odor.

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**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**  
**Scandium iodide, powder and pieces**

**FLASH PT:** N.A. **METHOD USED:** NON-FLAMMABLE  
**EXPLOSIVE LIMITS:** LEL: NE UEL: NE  
**EXTINGUISHING MEDIA**

USE: Not applicable. Use suitable extinguishing media for surrounding material 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, scandium iodide may emit toxic fumes of iodine and iodine compounds.

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**SECTION V - REACTIVITY DATA**  
**Scandium iodide, powder and pieces**

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

None

**INCOMPATIBILITY - MATERIALS TO AVOID**

None recorded

**HAZARDOUS DECOMPOSITION OR BYPRODUCTS**

Iodine and iodine compounds

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

None

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**SECTION VI - HEALTH HAZARD DATA**  
**Scandium iodide, powder and pieces**