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## Technical Data Sheet

# METHYL IODIDE, IODOMETHANE

### 1. Chemical Product Identification

**GHS Product Identifier:** 160.04, Methyl Iodide, Iodomethane

**Formula:** CH<sub>3</sub>I

**CAS No.:** 74-88-4

**Formula Description:** Clear, colorless to pale amber liquid; turns brown on exposure to light and air.

**Recommended Use:** Methyl Iodide is an excellent methylating agent and highly reactive. Methyl Iodide is available on a commercial basis and reasonably affordable. Can be use as a catalyst in the production of Acetic Acid and has been proposed as a pre-plant biocide used to control insects, plant parasitic nematodes, soil borne pathogens and weed seeds.

**General Properties:**

**Molecular Weight:** 141.9

**Density (25°C):** 2.28

**Composition:** C 8.46% H 2.13% I 89.4%

**Boiling Range (°C):** 41 - 43



### 2. Chemical Product Specifications

Chemical Identity	Assay
Methyl Iodide	98.0% minimum

### 3. Standard Packaging

Net Weight	Packaging
40 kgs.	UN1A1 5 gal Stainless inner package UN1A2 18 gal Overpack
100 kgs.	UN1A1 15 gal Stainless inner package UN1A2 55 gal Overpack

250 kgs.	UN1A1 30 gal Stainless inner package UN1A2 58 gal Overpack
Drums equipped with a Micro Matic Valve System – coupler is required for product extraction. 15 & 30 gal drums are returnable drums. Each drum requires a \$1,000.00 drum deposit which may be refunded upon return in good condition.	

#### 4. Transport Information

SHIPPING CRITERIA	US DOT	IATA and IMDG
Proper Shipping Name	Methyl Iodide	Forbidden
Hazard Class	Class 6.1	
Identification Number	UN 2644	
Packing Group	PG I	
Shipping Label	Toxic, Poison Inhalation Hazard, Zone B	
Additional Marking Requirement	Consult the 49 CFR Non-Bulk and Bulk Requirements	

#### 5. Handling and Storage

**Storage Conditions:** Store in UN-rated containers in a cool, dry, well-ventilated area away from incompatible substances, direct sunlight or elevated temperatures. Keep containers tightly closed and preferably under a nitrogen blanket. Protect against physical damage. Wear special protective equipment for maintenance or cleaning where exposures may exceed permissible levels. Shower and dispose of outer clothing and change to clean garments at the end of the day. Wash hands before eating and do not eat, drink or smoke in workplace. Containers of this material may be hazardous when empty since they retain product residues. This product should be handled only by, or under the close supervision of those properly qualified in the handling and use of highly hazardous chemicals. LIGHT SENSITIVE.

SDS with detailed information available upon request.