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Technical Data Sheet

METHYLENE IODIDE, DIIDOMETHANE

1. Chemical Product Identification

GHS Product Identifier: 163.44, Methylene Iodide, Diiodomethane

Formula: CH₂I₂

CAS No.: 75-11-6

Formula Description: Yellow to amber liquid; turns brown on exposure to light.

Recommended Use: Diiodomethane is used to determine the density of minerals and other solid samples; also an optical contact liquid, in conjunction with the gemological refractometer, for determining the refractive index of certain gemstones. Diiodomethane is used a reagent.

General Properties:

Molecular Weight: 267.84

Melting Point: 6°C

Boiling Point: 181°C

Composition: C 4.48% H 0.75% I 94.76%



2. Chemical Product Specifications

Chemical Identity	Assay	Density	
Methylene Iodide	99.0% minimum	3.29 to 3.35 (20°C)	Material available with or without copper stabilizer

3. Standard Packaging

Net Weight	Packaging
50 kgs.	UN1A1 SS 5 gal drum

4. Transport Information

SHIPPING CRITERIA	US DOT	IATA and IMDG
Proper Shipping Name	Corrosive liquid, toxic, n.o.s. (Methylene Iodide)	Corrosive liquid, toxic, n.o.s. (Methylene Iodide)Forbidden
Hazard Class	Class 8, 6.1	Class 8, 6.1
Identification Number	UN 2922	UN 2922
Packing Group	PG III	PG III
Shipping Label	Corrosive, Toxic	Corrosive, Toxic
Additional Marking Requirement	Consult the 49 CFR Non-Bulk and Bulk Requirements	Consult the 49 CFR Non-Bulk and Bulk Requirements

5. Handling and Storage

Storage Conditions: Store in UN-rated SS drum or CS drum with an HDPE liner. Store in a cool, dry, well-ventilated area away from incompatible substances, direct sunlight or elevated temperatures. Keep containers tightly closed using a tamper-evident seal. Protect against physical damage. 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.

SDS with detailed information available upon request.