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Technical Data Sheet

1.0 N (12.7%) IODINE SOLUTION

1. Chemical Product Identification

GHS Product Identifier: 117.14, 1.0 N (12.7%) Iodine Solution

Formula: I₂ [12.7% (w/v)] KI [25.4% (w/v)]

CAS No.: 7553-56-2 Iodine
7681-11-0 Potassium Iodide



Formula Description: Liquid having a deep blackish brown color and having the odor of iodine.

Recommended Use: A standardized solution for accurate volumetric analysis. Used as a disinfectant and anti-bacterial agent in solutions, tinctures and salves.

2. Chemical Product Specifications

Chemical Identity	Iodine	Potassium Iodide	Hydrochloric Acid
1.0 N (12.7%) Iodine Solution	12.0 – 13.5% w/v	24.5 – 26.2% w/v	≤ 0.02%

3. Standard Packaging

Net Weight	Packaging
600 lb.	55 gal UN1H1/Y1.8

4. Transport Information

SHIPPING CRITERIA	US DOT	IATA and IMDG
Proper Shipping Name	Non Regulated	Non Regulated
Hazard Class		
Identification Number		
Packing Group		
Shipping Label		
Additional Marking Requirement		

5. Handling and Storage

Storage Conditions: Store in a cool, dry, well-ventilated area away from incompatible substances. Keep containers tightly closed and away from sources of heat or ignition. It is recommended to use HDPE or glass containers, solution may be corrosive to carbon steel. Containers of this material may be hazardous when empty since they contain product residue.

SDS with detailed information available upon request.