

MATERIAL SAFETY DATA SHEET

4148 POTASSIUM IODIDE

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

SUPPLIER: SDC Enterprises Limited
Unit 29 Pitcliffe Way Industrial Estate
Upper Castle Street
Bradford
West Yorkshire BD5 7SG

EMERGENCY TELEPHONE: Tel: 01274 750160 Fax: 01274 750162

2. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT NAME	CAS No.	CONTENTS (class)	HEALTH (R No.)	RISK
POTASSIUM IODIDE	7681-11-0	>95%	NONE LISTED	NONE LISTED

3. HAZARDS IDENTIFICATION

Not a hazardous substance or preparation according to EC-directives 67/548/EEC or 1999/45/EC

R-phrases
None

4. FIRST AID MEASURES

INHALATION: Remove from exposure to fresh air immediately. . If not breathing give artificial respiration, if breathing is difficult give oxygen.

INGESTION: Do **NOT** induce vomiting. Obtain medical attention.

SKIN: Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately if symptoms occur. Wash clothing before reuse.

EYES: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting upper and lower eyelids. Get medical aid

NOTES TO PHYSICIAN: Treat symptomatically.

5. FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

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EXTINGUISHING MEDIA WHICH MUST NOT BE USED FOR SAFETY REASON: No Information available.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL: Keep product and empty container away from heat and sources of ignition.

PROTECTIVE EQUIPMENT FOR FIRE FIGHTERS: As in any fire, wear a self-contained breathing apparatus in pressure demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

FLASH POINT: No information available.

METHOD: No information available.

AUTOIGNITION TEMPERATURE: No information available.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Ensure adequate ventilation. Use personal protective equipment. Avoid dust formation.

ENVIRONMENTAL PRECAUTIONS: Should not be released into the environment.

SPILLS/LEAKS: Vacuum or sweep up material and place into a suitable disposal container. Avoid dust formation.

7. HANDLING AND STORAGE

HANDLING: Wear personal protective equipment. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Avoid ingestion and inhalation. Avoid dust formation.

STORAGE: Store in a tightly closed container in a cool, dry well ventilated place. Keep away from direct sunlight. Store under an inert atmosphere.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

EXPOSURE LIMITS: This product does not contain any hazardous materials with occupational exposure limits established.

OCCUPATIONAL EXPOSURE CONTROLS

ENGINEERING MEASURES: Ensure that eye wash stations and safety showers are close to the work station location. Ensure adequate ventilation, especially in confined areas.

PROTECTIVE EQUIPMENT:



RESPIRATORS: Following the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved if exposure limits are exceeded or if irritation or other symptoms are experienced.

SKIN: Wear appropriate protective gloves and clothing to prevent skin exposure

EYES: Wear tightly fitting safety goggles.
OTHER PROTECTION: Wear appropriate clothing to prevent skin contact.
HYGIENE MEASURES: Handle in accordance with goods industrial hygiene and safety practice.
ENVIROMENTAL EXPOSURE CONTROLS: No information available.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Solid
Appearance: White
Odour/Taste: Odourless
pH: 6 to 8 5% in water 20 °C
Vapour Pressure: 1mmHg @ 745 °C
Boiling Point: 1330 °C
Freezing/Melting Point: 680 °C
Flash Point: No information available
Solubility in Water: 1.43 kg/L
Molecular Formula: KI
Molecular Weight: 166

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Air sensitive. Light sensitive, Hygroscopic.
CONDITIONS TO AVOID: Incompatible products. Excess heat. Avoid dust formation. Exposure to moist air or water. Exposure to air. Exposure to light.
INCOMPATIBILITIES WITH OTHER MATERIALS: Strong oxidising agents.
HAZARDOUS DECOMPOSITION PRODUCTS: Hydrogen iodide.
HAZARDOUS POLYMERISATION: Hazardous polymerization does not occur.
HAZARDOUS REACTIONS: None under normal processing.

11. TOXICOLOGICAL INFORMATION

RTECS#: CAS# 7681-11-0: TT2975000
LD50/LC50: Not Available
CARCINOGENICITY: Potassium Iodide, Not listed by ACGIH, IRAC, NIOSH, NTP, or OSHA.. See actual entry in RTECS for complete information

12. ECOLOGICAL INFORMATION

ECOTOXICITY: Contains no substances known to be hazardous to the environment or that are not degradable in waste water treatment plants.

Component	Freshwater Algae	Fresh water Fish	Microtox	Water Flea
Potassium iodide		Onchrhynchus mykiss: LC50:3200 mg/L/120h		



PERSISTENCE AND DAGRADEABILITY: No information available.
BIOACCUMULATIVE POTENTIAL: No information available.
MOBILITY No information available.

Component	log Pow
Potassium iodide	0.04

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHODS: Dispose of in accordance with Local Authority requirement.
CONTAMINATED PACKAGING: Empty containers should be taken for local recycling, recovery or waste disposal

14. TRANSPORT INFORMATION

Non-Hazardous for air, sea and road freight

15. REGULATORY INFORMATION

NOT A HAZARDOUS SUBSTANCE OR PREPARATION ACCORDING TO EC-DIRECTIVES 67/548/EEC OR 1999/45/EC

LABEL **R-phrases** – none
S-phrases - S 24/25 – Avoid contact with skin and eyes

Component	EINECS	ELINCS	NLP	TSCA	DSL	NDSL	PICCS	ENCS	CHINA	AICS	KECL
Potassium iodide	213-659-4	-		X	X	-	X	X	X	X	KE-29149 X

16. OTHER INFORMATION

REVISION COMMENTS: Data sheet is in accordance with CHIP(1994) regulations.
REVISION DATE: 12.11.2014
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