

SAFETY DATA SHEET

HII-124B INTENSIFIER

Revision Date: 29-May-2015

Revision Number: 18

1. Product Identifier & Identity for the Chemical

Statement of Hazardous Nature Hazardous according to the criteria of the 3rd Revised Edition of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS), Non-Dangerous Goods according to the criteria of ADG.

1.1. Product Identifier

Product Name HII-124B INTENSIFIER

Other means of Identification

Synonyms: None
Product Code: HM000854

Recommended use of the chemical and restrictions on use

Recommended Use Intensifier
Uses Advised Against No information available

Supplier's name, address and phone number

Manufacturer/Supplier Halliburton Australia Pty. Ltd.
15 Marriott Road
Jandakot
WA 6164
Australia

ACN Number: 009 000 775
Telephone Number: + 61 1 800 686 951
Fax Number: 61 (08) 9455 5300
E-Mail address: fdunexchem@halliburton.com

Emergency phone number

+ 61 1 800 686 951

Australian Poisons Information Centre

24 Hour Service: - 13 11 26
Police or Fire Brigade: - 000 (exchange): - 1100

2. Hazard Identification

Statement of Hazardous Nature Hazardous according to the criteria of the 3rd Revised Edition of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS), Non-Dangerous Goods according to the criteria of ADG.

Classification of the hazardous chemical

Skin Corrosion / irritation	Category 2 - H315
Specific Target Organ Toxicity - (Repeated Exposure)	Category 2 - H372

Label elements, including precautionary statements

Hazard Pictograms



Signal Word	Warning
Hazard Statements	H315 - Causes skin irritation H372 - Causes damage to organs through prolonged or repeated exposure
Precautionary Statements	
Prevention	P260 - Do not breathe dust/fume/gas/mist/vapors/spray P264 - Wash face, hands and any exposed skin thoroughly after handling P280 - Wear protective gloves
Response	P302 + P352 - IF ON SKIN: Wash with plenty of soap and water P332 + P313 - If skin irritation occurs: Get medical advice/attention P362 - Take off contaminated clothing and wash before reuse P314 - Get medical attention/advice if you feel unwell
Storage	None
Disposal	P501 - Dispose of contents/container in accordance with local/regional/national/international regulations

Contains Substances

Potassium iodide

CAS Number

7681-11-0

Other hazards which do not result in classification

This substance is not considered to be persistent, bioaccumulating nor toxic (PBT).

This substance is not considered to be very persistent nor very bioaccumulating (vPvB).

Australia Classification

For the full text of the H-phrases mentioned in this Section, see Section 16

Classification	Xn - Harmful.
Risk Phrases	R38 Irritating to skin. R48/22 Harmful: danger of serious damage to health by prolonged exposure if swallowed.

3. Composition/information on Ingredients

Substances	CAS Number	PERCENT (w/w)	GHS Classification - Australia
Potassium iodide	7681-11-0	60 - 100%	Skin Irrit. 2 (H315) STOT RE 1 (H372)

4. First aid measures

Description of necessary first aid measures

Inhalation

If inhaled, move victim to fresh air and seek medical attention.

Eyes

In case of contact, or suspected contact, immediately flush eyes with plenty of

Skin	water for at least 15 minutes and get medical attention immediately after flushing. In case of contact, immediately flush skin with plenty of soap and water for at least 15 minutes. Get medical attention. Remove contaminated clothing and launder before reuse.
Ingestion	Do NOT induce vomiting. Give nothing by mouth. Obtain immediate medical attention.

Symptoms caused by exposure

Causes skin irritation. Prolonged or repeated exposure may cause damage to organs.

Medical Attention and Special Treatment

Notes to Physician Treat symptomatically

5. Fire Fighting Measures

Suitable extinguishing equipment**Suitable Extinguishing Media**

Water fog, carbon dioxide, foam, dry chemical.

Extinguishing media which must not be used for safety reasons

None known.

Specific hazards arising from the chemical**Special Exposure Hazards**

Decomposition in fire may produce harmful gases.

Special protective equipment and precautions for fire fighters**Special Protective Equipment for Fire-Fighters**

Full protective clothing and approved self-contained breathing apparatus required for fire fighting personnel.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Use appropriate protective equipment. Avoid creating and breathing dust. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation.

6.2. Environmental precautions

Prevent from entering sewers, waterways, or low areas.

6.3. Methods and material for containment and cleaning up

Scoop up and remove.

7. Handling and storage

7.1. Precautions for Safe Handling**Handling Precautions**

Avoid contact with eyes, skin, or clothing. Avoid creating or inhaling dust. Ensure adequate ventilation. Wash hands after use. Launder contaminated clothing before reuse. Use appropriate protective equipment.

Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice.

7.2. Conditions for safe storage, including any incompatibilities**Storage Information**

Store in a cool, dry location. Product has a shelf life of 24 months.

Other Guidelines

No information available

8. Exposure Controls/Personal Protection

Control parameters - exposure standards, biological monitoring**Exposure Limits**

Substances	CAS Number	Australia NOHSC	ACGIH TLV-TWA
Potassium iodide	7681-11-0	Not applicable	0.01 ppm

Appropriate engineering controls

Engineering Controls Use in a well ventilated area.

Personal protective equipment (PPE)**Respiratory Protection**

HEPA Respirator.

Hand Protection

Chemical-resistant protective gloves (EN 374) Suitable materials for short-term contact or splashes (recommended: at least protection index 2, corresponding to > 30 minutes permeation time as per EN 374): Nitrile gloves. (>= 0.4 mm thickness)

This information is based on literature references and on information provided by glove manufacturers, or is derived by analogy with similar substances. Please note that in practice the working life of chemical-resistant protective gloves may be considerably shorter than the permeation time determined in accordance with EN 374 as a result of the many influencing factors (e.g. temperature). If signs of wear and tear are noticed then the gloves should be replaced. Manufacturer's directions for use should be observed because of great diversity of types.

Skin Protection

Normal work coveralls.

Eye Protection

Dust proof goggles.

Other Precautions

None known.

Environmental Exposure Controls

Do not allow material to contaminate ground water system

9. Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Physical State: Solid

Color: White

Odor: Odorless

Odor Threshold: No information available

Property**Values**

Remarks/ - Method

pH:

8

Freezing Point/Range

No data available

Melting Point/Range

No data available

Boiling Point/Range

1420 °C / 2588 °F

Flash Point

No data available

Evaporation rate

No data available

Vapor Pressure

No data available

Vapor Density

No data available

Specific Gravity

3.1

Water Solubility

Soluble in water

Solubility in other solvents

No data available

Partition coefficient: n-octanol/water

0.04

Autoignition Temperature

No data available

Decomposition Temperature

No data available

Viscosity

No data available

Explosive Properties

No information available

Oxidizing Properties

No information available

9.2. Other information

Molecular Weight

166 g/mol

VOC Content (%)

No data available

10. Stability and Reactivity

10.1. Reactivity

Not expected to be reactive.

10.2. Chemical Stability

Stable

10.3. Possibility of Hazardous Reactions

Will Not Occur

10.4. Conditions to Avoid

None anticipated

10.5. Incompatible Materials

Diazonium salts, diisopropyl peroxydicarbonate, oxidants, bromine, chlorine, trifluorides, fluorine perchlorate.

10.6. Hazardous Decomposition Products

Iodine. Oxides of iodine.

11. Toxicological Information**Information on routes of exposure****Principle Route of Exposure** Eye or skin contact, inhalation.**Symptoms related to exposure****Most Important Symptoms/Effects**

Causes skin irritation. Prolonged or repeated exposure may cause damage to organs.

Numerical measures of toxicity**Toxicology data for the components**

Substances	CAS Number	LD50 Oral	LD50 Dermal	LC50 Inhalation
Potassium iodide	7681-11-0	2779 mg/kg (Rat)	No data available	No data available

Immediate, delayed and chronic health effects from exposure**Product Information**

Under certain conditions of use, some of the product ingredients may cause the following:

Inhalation

May cause mild respiratory irritation.

Eye Contact

May cause mild eye irritation.

Skin Contact

Causes skin irritation.

Ingestion

Irritation of the mouth, throat, and stomach. May cause abdominal pain, vomiting, nausea, and diarrhea.

Chronic Effects/Carcinogenicity Prolonged or repeated exposure may lead to iodism. Symptoms include skin rash, running nose, headache and irritation of mucous membranes. Weakness, anemia, loss of weight and general depression may also occur. Prolonged or repeated exposure may cause damage to the thyroid gland.

Exposure Levels

No data available

Interactive effects

Skin disorders.

Data limitations

No data available

Substances	CAS Number	Skin corrosion/irritation
Potassium iodide	7681-11-0	Causes moderate skin irritation. (Rabbit) (similar substances)

Substances	CAS Number	Eye damage/irritation
Potassium iodide	7681-11-0	No data of sufficient quality are available.

Substances	CAS Number	Skin Sensitization
Potassium iodide	7681-11-0	Not regarded as a sensitizer.

Substances	CAS Number	Respiratory Sensitization
Potassium iodide	7681-11-0	No information available

Substances	CAS Number	Mutagenic Effects
Potassium iodide	7681-11-0	In vitro tests did not show mutagenic effects In vivo tests did not show mutagenic effects.

Substances	CAS Number	Carcinogenic Effects
Potassium iodide	7681-11-0	Did not show carcinogenic effects in animal experiments

Substances	CAS Number	Reproductive toxicity
Potassium iodide	7681-11-0	Animal testing did not show any effects on fertility. Did not show teratogenic effects in animal experiments.

Substances	CAS Number	STOT - single exposure
Potassium iodide	7681-11-0	No information available

Substances	CAS Number	STOT - repeated exposure
Potassium iodide	7681-11-0	Causes damage to organs through prolonged or repeated exposure if swallowed: (Thyroid)

Substances	CAS Number	Aspiration hazard
Potassium iodide	7681-11-0	Not applicable

12. Ecological Information

Ecotoxicity

Product Ecotoxicity Data

No data available

Substance Ecotoxicity Data

Substances	CAS Number	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Toxicity to Invertebrates
Potassium iodide	7681-11-0	MIC100 (10d) 356.8 mg/L (Dunaliella salina) TT (7d) 2370 mg/L (biomass) (Scenedesmus quadricauda) (Similar substance)	LC50 (96h) 896 mg/L (Oncorhynchus mykiss) LC50 (96h) 3780 mg/L (Oncorhynchus mykiss) (similar substance) LC100 (22d) 166,002.8 mg/L (Oncorhynchus mykiss)	MIC100 (24h) 358.3 mg/L (Staphylococcus aureus)	EC50 (48h) 7.5 mg/L (Daphnia magna) LC50 (48h) 575 mg/L (Acartia tonsa) EC50 (10d) 218.8 mg/L (Corophium volutator)

12.2. Persistence and degradability

Substances	CAS Number	Persistence and Degradability
Potassium iodide	7681-11-0	Readily biodegradable (50% @ 15d) (calculated)

12.3. Bioaccumulative potential

Substances	CAS Number	Log Pow
Potassium iodide	7681-11-0	0.11

12.4. Mobility in soil

Substances	CAS Number	Mobility
Potassium iodide	7681-11-0	No information available

12.6. Other adverse effects

Endocrine Disruptor Information

This product does not contain any known or suspected endocrine disruptors

13. Disposal Considerations

Safe handling and disposal methods

Bury in a licensed landfill according to federal, state, and local regulations.

Disposal of any contaminated packaging

Follow all applicable national or local regulations. Contaminated packaging may be disposed of by: rendering packaging incapable

of containing any substance, or treating packaging to remove residual contents, or treating packaging to make sure the residual contents are no longer hazardous, or by disposing of packaging into commercial waste collection.

Environmental regulations

Not applicable

14. Transport Information**Transportation Information**

UN Number:	Not restricted
UN Proper Shipping Name:	Not restricted
Transport Hazard Class(es):	Not applicable
Packing Group:	Not applicable
Environmental Hazards:	Not applicable

Special precautions during transport

None

HazChem Code

None Allocated

15. Regulatory Information**Safety, health and environmental regulations specific for the product****International Inventories**

Australian AICS Inventory	All components listed on inventory or are exempt.
New Zealand Inventory of Chemicals	All components listed on inventory or are exempt.
EINECS Inventory	This product, and all its components, complies with EINECS
US TSCA Inventory	All components listed on inventory or are exempt.
Canadian DSL Inventory	All components listed on inventory or are exempt.

Poisons Schedule number

None Allocated

16. Other information**Date of preparation or review**

Revision Date: 29-May-2015

Revision Note Revision Note

SDS sections updated: 2

Full text of R-phrases referred to under Sections 2 and 3

R38 Irritating to skin.

R48/23 Toxic: danger of serious damage to health by prolonged exposure through inhalation.

Full text of H-Statements referred to under sections 2 and 3

H315 - Causes skin irritation

H372 - Causes damage to organs through prolonged or repeated exposure if swallowed

Additional information

For additional information on the use of this product, contact your local Halliburton representative.

For questions about the Safety Data Sheet for this or other Halliburton products, contact Chemical Stewardship at 1-580-251-4335.

Key abbreviations or acronyms used

bw – body weight CAS – Chemical Abstracts Service EC50 – Effective Concentration 50% LC50 – Lethal Concentration 50% LD50 – Lethal Dose 50% LL50 – Lethal Loading 50% mg/kg – milligram/kilogram mg/L – milligram/liter NOEC – No Observed Effect Concentration OEL – Occupational Exposure Limit PBT – Persistent Bioaccumulative and Toxic ppm – parts per million STEL – Short Term Exposure Limit TWA – Time-Weighted Average vPvB – very Persistent and very Bioaccumulative h - hour mg/m³ - milligram/cubic meter mm - millimeter mmHg - millimeter mercury w/w - weight/weight d - day

Key literature references and sources for data

www.ChemADVISOR.com/

OSHA

ECHA C&L

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End of Safety Data Sheet