

Manufacturers & Exporters of Pharmaceutical Chemicals

SAFETY DATA SHEET

Version: 2.0 Revision Date: 01/01/2022

1. PRODUCT AND COMPANY IDENTIFICATION

1.1	Product identifiers		
i	Product Name	:	lodine
ii	Chemical Formula	:	l ₂
iii	CAS No.	:	7553-56-2
iv	EC No.	:	231-442-4
٧	HSN Code	:	28012000
vi	Hazardous	:	Yes
vii	Content	:	Minimum 99.5%
Viii	Appearance	:	Prills with a metallic shine
1.2	Relevant identified u	ıse	s of the substance
i	Identified uses		Laboratory chemicals, Food, Drug, Pesticide, Biocidal
'	identified uses	•	product use.
1.3	Details of Manufactu	ıre	r
i	Company	:	Samrat Pharmachem Limited
			Plot No. A2/3445,
			GIDC, Phase 4,
ii	Address	:	Ankleshwar – 393002,
			Gujarat,
			India.
iii	Phone	:	+91-7045456789 / 7046456789
iv	Email	:	contact@samratpharmachem.in
٧	Webpage	:	www.samratpharmachem.com
1.4	Emergency Number		
	Emergency Phone		+91-7045456789 / 7046456789





2. HAZARD IDENTIFICATION

2.1	Classification of substance				
	GHS C	Classification in accordance	with	29 CFR 1910.1200 (OSHA HCS)	
i	H302	Acute Oral Toxicity	:	Harmful if swallowed (Category 4)	
ii	H311	Acute Dermal Toxicity	:	Toxic; contact with skin (Category 4)	
iii	H332	Acute Inhalation Toxicity	:	Harmful if Inhaled (Category 4)	
iv	H315	Skin Corrosion / Irritation	:	Causes skin irritation (Category 2)	
٧	H319	Eye Irritation	:	Causes serious eye irritation (Category 2)	



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vi	H335	Specific Target Organ		May cause respiratory irritation; Single
Vİ	ПЭЭЭ	Toxicity (Respiratory)	•	Exposure (Category 3)
vii	H372	Specific Target Organ Toxicity (Oral)	:	Thyroid; Repeated Exposure (Category 1)
viii	H400	Acute Aquatic Hazard	:	Toxic to Aquatic Life (Category 1)
For full text of H-statements mentioned in this section, see section 16				

2.2	GHS Label element	s, i	including precautionary statements
i	Pictogram	:	
ii	Signal word	:	Danger
iii	Hazard Statement(s)		
-"-	H302 + H312 + 332	:	Harmful if swallowed, in contact with skin or if inhaled
	H315	÷	Causes skin irritation
	H319	<u> </u>	Causes skill initiation Causes serious eye irritation
	H335	<u> </u>	May cause respiratory irritation
	H372	-	Causes damage to organs (thyroid gland) through
	11372	•	prolonged or repeated exposure
	H400		Very toxic to aquatic life
	П400	•	very toxic to aquatic life
iv	Precautionary Stateme	ent(s	s)
	P261	:	Avoid breathing dust / fumes / gas / mist / vapours / spray
	P264	:	Wash exposed skin thoroughly after handling
	P271	:	Use outdoors or in a well-ventilated area
	P273	:	Avoid release to the environment
	P280	:	Wear protective clothing, gloves, eye & face equipment
	P301 + P330 + P331	:	IF SWALLOWED: rinse mouth. DO NOT induce vomiting
	P303 + P361 + P353	:	IF ON SKIN (or hair): Remove all contaminated clothing.
			Rise skin with water/shower
	P305 + P351 + P338	:	IF IN EYES: Rise cautiously with water for several
			minutes. Remove contact lenses in present.
	P312	:	Immediately call a poison centre or doctor / physician
	P333 + P313	:	If skin irritation or rash occurs: Get medical advice /
			attention
	P391	:	Collect spillage
	P405	:	Lock up storage
	P501	:	Disposal of contents / containers to comply with local, state
			and federal regulations







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2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1	Substances		
	Molecular Weight	:	253.81 g/mol
	Constituent Elements	:	l ₂

4. FIRST AID MEASURES

4.1	Symptoms			
i	Most important symptoms and effects, both acute and delayed			
	Eye Burn / Irritati	ion, Repeated skin exposure can cause absorption which may		
	lead to health ha	zards, Gastrointestinal complains & Possible inflammation of		
	respiratory track,	, risk of lung oedema. Ingestion may cause vomiting & blood		
	pressure drop.			
ii	Indication of an	y immediate medical attention & special treatment needed		
	If seeking medicate	al attention, provide SDS document to physician.		
4.2	Description of	first aid measures		
i	Inhalation	: If inhaled, move victim to fresh air. Loosen tight clothing such		
		as a collar, tie, belt or waistband. If breathing is difficult,		
		administer oxygen. If not breathing, give artificial respiration.		
		If breathing is difficult, give oxygen. Get medical attention.		
ii	Ingestion	: Do NOT induce vomiting unless directed to do so by medical		
		personnel. Rinse mouth out with water. If you feel still feel		
		unwell, immediately make victim drink a slurry of activated		
		charcoal in water (two glasses at most). Consult a doctor.		
iii	Skin contact	: Take off immediately all contaminated clothing. Wash skin		
		with plenty of water. Cover the irritated skin with an emollient		
		If skin irritation occurs: Get medical advice/attention.		
iv	Eye contact	: Remove contact lenses, if present and easy to do. Continue		
		rinsing. Rinse cautiously with water for several minutes. If		
		eye irritation persists: Get medical advice/attention.		





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5. FIRE FIGHTING MEASURES

5.1	Extinguishing media	
i	Suitable : extinguishing agents	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
ii	Special hazards : arising from the substance or mixture	Ignition on contact with bromine, chlorine trifluoride, aluminum-titanium alloys + heat, metal acetylides, sodium phosphinate. Incandescent reaction with cesium oxide (above 150 deg C), bromine trifluoride, metal acetylides or carbides [e.g. barium acetylide (above 122 deg C), calcium acetylide (above 305 deg C), strontium acetylide (above 182 deg C), zirconium acetylide (above 400 deg C)]. Magnesium burns vigorously when heated with iodine vapor. Iodine unites with fluorine at ordinary temperature with a luminous flame
iii	Special remarks on : Explosion Hazard	Explosive reactions with iodine and: hafnium powder + heat; tetraamine copper (II) sulfate + ethanol; trioxygen difluoride; polyacetylene (at 113 deg. C); potassium; sodium; butadiene + ethanol +mercuric oxide
iv	Advice for firefighters :	Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.
V	Additional : information	Suppress (knock down) gases/vapors/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system.



6. ACCIDENTAL RELEASE MEASURES

6.1	Personal precautions, protective equipment & emergency procedures
	Wear protective equipment. Use respiratory protective device against the effects of fumes/dust/aerosol. Keep unprotected persons away. Ensure adequate ventilation. Do not touch or walk on spilled product.
6.2	Environmental precautions
	Corrosive solid. Stop leak if without risk. Do not get water inside container. Do not touch spilled material. Use water spray to reduce vapors. Prevent entry into sewers, basements or confined areas; dyke if needed. Call for assistance on disposal. Be careful that the product is not present at a concentration level above TLV. Check TLV on the SDS and with local authorities.





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6.3	Methods and material for containment and cleaning up
	Cover drains. Cover spill with non-combustible material e.g. sand, mud & vermiculite. Observe possible material restrictions (see sections 7 and 10). Use gloves to take up dry. Dispose-off properly. Clean up affected area carefully.
6.4	Reference to other sections
0.4	
	For disposal see section 13

7. HANDLING AND STORAGE

7.1	Precautions for safe handling
	Avoid contact with skin and eyes do not inhale substance mixture. Never add
	water to this product. In case of insufficient ventilation, wear suitable respiratory
	equipment. Keep away from incompatibles such as oxidizing agents, reducing
	agents, metals and metallic powders. Keep away from flames / extreme heat.
	For precautions see section 2.2.
7.2	Conditions for safe storage, including any incompatibilities
	Tightly closed. Dry. Keep in a well-ventilated place. Keep locked up or in an area
	accessible only to qualified or authorized persons. Recommended storage
	temperature see the product label. Storage class (TRGS 510): 6.1D: Non-
	combustible, acute toxic Cat.3 / toxic hazardous materials or hazardous materials
	causing chronic effects. Do not pack material in metals, steel, iron or zinc.
7.3	Specific end use(s)
	Apart from the uses mentioned in section 1.2 the product has applications in the
	following industries X-ray contrast agents, Antimicrobial agents, LCD Polarizer,
	Industrial catalysts, Animal feed, Edible Salt & as a Stabiliser in tyres & airbags.



8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1	Control Parameters				
i	Ingredients with workplace control parameters				
	Predicted no effect concentration (PNEC)				
	Particulars	Value	Exposure Time		
(a)	Fresh Water	0.01813 mg / I	short-term (single instance)		
(b)	Sea Water	0.06001 mg / I	short-term (single instance)		
(c)	Sewage treatment plant	11 mg / l	short-term (single instance)		
(d)	Fresh water sediment	3.99 mg / kg	short-term (single instance)		
(e)	Sea sediment	20.22 mg / kg	short-term (single instance)		
(f)	Soil	5.95 mg / kg	short-term (single instance)		
ii	Derived no effect level (DNEL's)				
(a)	Worker (Industry)	0.07 mg/m ³	chronic - systemic effects		
(b)	Worker (Industry)	0.01 mg/kg bw/day	chronic - systemic effects		





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8.2	Exposure Controls
i	Appropriate engineering controls
	Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.
ii	Do you and a water of the constitution of the
	Personal protective equipment Eye / face protection
(a)	Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses
(b)	Skin Protection
	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
(c)	Body Protection
	Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
(d)	Respiratory protection
(u)	For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
(0)	Control of anyiranmental expecture
(e)	Control of environmental exposure
	Do not let product enter drains.



9. PHYSICAL & CHEMICAL PROPERTIES

Appearance	Form: Solid	Flammability	Product is not
	Colour: Violet with		flammable
	metallic shine (Dark)		
Odour	Pungent	Vapour pressure	0.233 mm Hg @ 25° C
			(77° F)
Odour threshold	0.85 ppm / 9 mg/m ³	Relative vapour	8.8
		density at 20°C	
pH-value	Not Applicable	Relative density	Not determined
Melting/Freezing	113.5° C (236.3° F)	Solubilities	0.3 g/l @ 25° C (77° F)
point			
Boiling point	184.4° C (363.92° F)	Partition	2.49 (Log Kow)
		coefficient (n-	
		octanol/water)	





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Flash Point	Not determined	Auto/Self-ignition	Not determined
		temperature	
Evaporation rate	Not determined	Decomposition	Not determined
		temperature	
Flammability	Not determined	Viscosity	Not determined
Density	4930 kg/m ³) at 20° C (77° F)	Poison Class	Not determined
	(11° F)		

10. STABILITY & REACTIVITY

(a)	Reactivity	:	Non-reactive under normal conditions. Reacts (slowly) with some metals	
(b)	Chemical stability	:	If kept under long exposure to air the material shall evaporate releasing violet fumes. No decomposition if used and stored according to specifications.	
(c)	Possible hazardous reactions	:	None under normal processing. Can react violently on contact with incompatibles	
(d)	Conditions to avoid	:	Avoid high temperatures exposure to direct sunlight, & avoid contact with incompatible materials	
(e)	Incompatible material	:	Strong reducing agents, metals, metallic powder & strong oxidisers	
(f)	Hazardous decomposition products	:	Risk of explosion with: Reducing agents, alkali metals, acetylene, ammonia, potassium, copper compounds, sodium, oxyhalogenic compounds, boron, halogen oxides, iodides & azides.	
			Risk of ignition or formation of inflammable gases with: Powdered metals, zinc, semimetals, halogen compounds, non-metallic oxides, formaldehyde, hydrides, sodium phosphite, phosphorus, sulfur, titanium, powdered magnesium, petrol & butadiene.	
			Exothermic reaction with: Carbides, turpentine oils, alkaline oxides, nitrides, acetaldehyde, lithium, fluorides, oxides of phosphorus, chlorine & iron in powder form.	





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11. TOXCICOLOGICAL INFORMATION

11.1	Information on to	xicological effects	S		
	Oral	LD50 Rat	315 mg/kg		
	Dermal	LD50 Rabbit	1425 mg/kg		
	Inhalation	LC50 Rat (Dust /	4.558 mg/l/4h		
		Mist)			
	Additional		d. Harmful in contact with skin. Harmful if		
	Information:	•	nhaled. (OECD 403 method)		
11.2					
	Serious eye damage	e / irritation	Causes serious eye irritation		
			pH: Not applicable		
	Respiratory or skin i	rritation	Did not cause sensation. Mouse (OECD		
			429 test method)		
	Germ cell mutagenio	city	Mutagenicity tests are negative (OECD		
			476 test method)		
	Carcinogenicity		Did not show carcinogenic effects in		
			experiments		
	Reproductive Toxicity		Not classified (OECD 422 test method)		
11.3	Additional inform				
i	No observed adverse effect level (NOAEL)				
	Particulars		Value		
	Animal / male, F0/P) Single exposure		10 mg/kg		
	Animal / female, F0/P) Single exposure		10 mg/kg		
	Specific target organ toxicity (STOT)		Category 3:		
	Single exposure		Inhalation of vapours may cause		
	-		respiratory irritation		
	Rat: Oral ~ 90 days		0.375 mg/kg bodyweight / day		
			Thyroid affection		
	Thyroid Gland, Chro Systematic	nic, Oral, Human:	= 0.01 mg/kg bodyweight / day		
	Specific target organ	toxicity (STOT)	Category 1:		
	Repeated exposure		Thyroid affection		
ii	Aspiration Hazard		Not classified		
iii	Viscosity, Kinematic		Not applicable		
iv	Protentional adverse	e human health effec	ts and symptoms include irritation to eyes,		
	skin & respiratory track, Risk of lung oedema, may cause gastrointestinal irritation,				
	skin & respiratory tra	ack, Risk of lung oed	iema, may cause gastrointestinai imtation, j		





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12. ECOLOGICAL INFORMATION

i Particulars Type Value Fish LC50 Oncorhynchus mykiss (rainbow trout) Crustacea LC 50 Daphnia magna (planktonic crustacean) Other aquatic invertebrates ErC 50 ii Ecology – general Very toxic to aquatic life. Before neutralisation, to product may represent a danger to aquatic organism iii Ecology – air Not dangerous for the ozone layer iv Hazardous to aquatic environment – short term (acute) V Hazardous to aquatic environment – long term (chronic) Not classified 12.2 Persistence and degradability (a) Persistence and degradability (b) Biodegradation Not applicable 12.3 Bio accumulative potential (a) BCF – Other aquatic organisms (b) Partition coefficient n-octanol/water (Log Kow) Low bioaccumulation potential Low bioaccumulation potential	12.1	Toxicity			
(rainbow trout) Crustacea LC 50 Daphnia magna (planktonic crustacean) Other aquatic invertebrates ErC 50 ii Ecology – general iii Ecology – air iv Hazardous to aquatic environment – short term (acute) Very toxic to aquatic life environment – long term (chronic) Not classified Persistence and degradability (a) Persistence and degradability (b) Biodegradation (c) Cyanalisi (rainbow trout) Daphnia magna (planktonic crustacean) O.13 mg/l Very toxic to aquatic life. Before neutralisation, to a product may represent a danger to aquatic organism Very toxic to aquatic life Not classified Not classified Biodegradability (a) Persistence and degradability (b) Biodegradation Not applicable 12.3 Bio accumulative potential (a) BCF – Other aquatic organisms (b) Partition coefficient n-octanol/water (Log Kow) 2.49	i	Particulars	Туре		Value
Crustacea LC 50 Daphnia magna (planktonic crustacean) Other aquatic invertebrates ErC 50 Very toxic to aquatic life. Before neutralisation, to product may represent a danger to aquatic organism iii Ecology – air Not dangerous for the ozone layer iv Hazardous to aquatic environment – short term (acute) v Hazardous to aquatic environment – long term (chronic) 12.2 Persistence and degradability (a) Persistence and degradability (b) Biodegradation Not applicable 12.3 Bio accumulative potential (a) BCF – Other aquatic organisms (b) Partition coefficient n-octanol/water (Log Kow) 2.49		Fish LC50	Oncorhynchus myki	iss	1.67 mg/l
(planktonic crustacean) Other aquatic invertebrates			(rainbow trout)		
Other aquatic invertebrates ErC 50 ii Ecology – general Very toxic to aquatic life. Before neutralisation, to product may represent a danger to aquatic organism iii Ecology – air Not dangerous for the ozone layer iv Hazardous to aquatic environment – short term (acute) v Hazardous to aquatic environment – long term (chronic) 12.2 Persistence and degradability (a) Persistence and degradability (b) Biodegradation Not applicable 12.3 Bio accumulative potential (a) BCF – Other aquatic organisms (b) Partition coefficient n-octanol/water (Log Kow) 2.49		Crustacea LC 50	Daphnia magna		0.55 mg/l, 48 hours
ii Ecology – general Very toxic to aquatic life. Before neutralisation, to product may represent a danger to aquatic organism iii Ecology – air Not dangerous for the ozone layer iv Hazardous to aquatic environment – short term (acute) V Hazardous to aquatic environment – long term (chronic) Not classified 12.2 Persistence and degradability (a) Persistence and degradability (b) Biodegradation Not applicable 12.3 Bio accumulative potential (a) BCF – Other aquatic organisms (b) Partition coefficient n-octanol/water (Log Kow) 2.49			(planktonic crustace	ean)	
iii Ecology – general Very toxic to aquatic life. Before neutralisation, to product may represent a danger to aquatic organism. iii Ecology – air Not dangerous for the ozone layer. iv Hazardous to aquatic environment – short term (acute) v Hazardous to aquatic environment – long term (chronic) 12.2 Persistence and degradability (a) Persistence and degradability (b) Biodegradation Not applicable 12.3 Bio accumulative potential (a) BCF – Other aquatic organisms (b) Partition coefficient n-octanol/water (Log Kow) 2.49		Other aquatic invertebrates	Algae		0.13 mg/l
product may represent a danger to aquatic organism iii Ecology – air Not dangerous for the ozone layer iv Hazardous to aquatic environment – short term (acute) v Hazardous to aquatic environment – long term (chronic) 12.2 Persistence and degradability (a) Persistence and degradability (b) Biodegradation 12.3 Bio accumulative potential (a) BCF – Other aquatic organisms (b) Partition coefficient n-octanol/water (Log Kow) 2.49		ErC 50			
iii Ecology – air Not dangerous for the ozone layer iv Hazardous to aquatic environment – short term (acute) v Hazardous to aquatic environment – long term (chronic) 12.2 Persistence and degradability (a) Persistence and degradability (b) Biodegradation 12.3 Bio accumulative potential (a) BCF – Other aquatic organisms (b) Partition coefficient n-octanol/water (Log Kow) 2.49	ii	Ecology – general	Very toxic to aqua	tic life.	Before neutralisation, the
iv Hazardous to aquatic environment – short term (acute) V Hazardous to aquatic environment – long term (chronic) Not classified 12.2 Persistence and degradability (a) Persistence and degradability (b) Biodegradation Not applicable 12.3 Bio accumulative potential (a) BCF – Other aquatic organisms (b) Partition coefficient n-octanol/water (Log Kow) 2.49					
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(acute) V Hazardous to aquatic environment – long term (chronic) 12.2 Persistence and degradability (a) Persistence and degradability (b) Biodegradation 12.3 Bio accumulative potential (a) BCF – Other aquatic organisms (b) Partition coefficient n-octanol/water (Log Kow) 2.49	iv	•	Very toxic to aquation	c life	
V Hazardous to aquatic environment – long term (chronic) 12.2 Persistence and degradability (a) Persistence and degradability Biodegradability (b) Biodegradation Not applicable 12.3 Bio accumulative potential (a) BCF – Other aquatic organisms 0.027 BCF (b) Partition coefficient n-octanol/water (Log Kow) 2.49		environment – short term			
environment – long term (chronic) 12.2 Persistence and degradability (a) Persistence and degradability Biodegradability (b) Biodegradation Not applicable 12.3 Bio accumulative potential (a) BCF – Other aquatic organisms 0.027 BCF (b) Partition coefficient n-octanol/water (Log Kow) 2.49		,			
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Bio accumulative potential (a) BCF – Other aquatic organisms	. ,	,	У		
(a) BCF – Other aquatic organisms 0.027 BCF (b) Partition coefficient n-octanol/water (Log Kow) 2.49	(b)	Biodegradation		Not ap	oplicable
(a) BCF – Other aquatic organisms 0.027 BCF (b) Partition coefficient n-octanol/water (Log Kow) 2.49					
(b) Partition coefficient n-octanol/water (Log Kow) 2.49	12.3	Bio accumulative potent	ial		
()	(a)			0.027	BCF
(c) Bioaccumulative notential Low bioaccumulation potential	(b)	Partition coefficient n-octanol	/water (Log Kow)	2.49	
(9) Dicassumulative potential	(c)	Bioaccumulative potential		Low b	ioaccumulation potential
12.4 Mobility in Soil	12.4	Mobility in Soil			
(a) Partition coefficient n-octanol/water (Log Koc) 0.47 – 1.64	(a)	Partition coefficient n-octanol	/water (Log Koc)	0.47 –	- 1.64
12.5 Results of PBT and vPvB assessment	12.5	Results of PBT and vPvE	3 assessment		
No data available		No data available			
		•			
12.6 Other adverse effects	12.6	Other adverse effects			
Not known		Not known			





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13. DISPOSAL CONSIDERATIONS

13.1	Waste disposal	recommendation's	
i	General instructions		
	This material, containers & non-recyclable solutions should be offered to a licensed disposal company. Dispose of contents/container in accordance with licensed collectors sorting instructions. Dispose in a safe manner in accordance with		
	local/national regulations. Do not discharge into drains.		
ii	Product / Packaging disposal recommendations		
	Avoid release to the environment		
iii	European list of waste (LoW) code		
	Code	Content	
	18 01 06*	Chemicals consisting of or containing dangerous substances	
	15 01 10*	Packaging containing residues of or contaminated by dangerous substances	



14. TRANSPORT INFORMATION

14.1	In accordance with ADR / IMDG / IATA / ADN / RID				
	ADR	IMDG	IATA	ADN	RID
i	UN Number				
	UN 3495	UN 3495	UN 3495	UN 3495	UN 3495
ii	UN proper shippir	ig name			
	IODINE	IODINE	IODINE	IODINE	IODINE
iii	Transport hazard	class			
	8 (6.1)	8 (6.1)	8 (6.1)	8 (6.1)	8 (6.1)
iv	Hazardous class s	symbols			
	Booking around	6			
V	Packing group			T	
	III	III	III	III	III
vi	Environment haza				
	Yes	Yes	Yes	Yes	Yes
vii	Marine Pollutant				
	Not applicable	Yes	Not applicable	Not applicable	Not applicable





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14.2	Special precautions for user	
i	Overland Transport	
(a)	Classification code (ADR)	CT2
(b)	Special provisions (ADR)	279
(c)	Orange plates	86 3495
ii	Transport by sea	
	Special provisions (IMDG)	279
iii	Air transport	
(a)	Transport regulations (IATA)	Subject to the provisions
(b)	Special provisions (IATA)	A113, A803
iv	Inland waterway transport	
(a)	Classification code (ADN)	CT2
(b)	Special provisions	279, 802
٧	Rail Transport	
	Special provision (RID)	279
14.3	Transport in bulk according to	o annexure II of Marpol and the IBC Code
	IBC Code	Not applicable

15. REGULATORY INFORMATION

15.1	EU - Regulation	ns	
i	No REACH Annex	kure XVII restrictions	
ii	lodine is not the F	REACH Candidate List	
iii	lodine is not on th	e REACH Annexure XIV List	
iv	lodine is not subje	ect to Regulations (EU) No. 649/2012 of the European Parliament	
	and of the Counc	il of 4 July 2012 concerning the export and import of hazardous	
	chemicals		
V	lodine is not subje	ect to Regulation (EU) No. 2019/1021 of the European Parliament	
	and of the Counci	l of 20 June 2019 on persistent organic pollutants	
15.2	National Regulations (Listed on)		
i	AICS	Australian Inventory of Chemical Substances	
ii	Canadian DSL	Canadian Domestic Substances List	
iii	Canadian IDL	Ingredient Disclosure List	
iv	IECSC	Inventory of Existing Chemical Substances Produced or	
	Imported in China		
V	EINECS	European Inventory of Existing Commercial Chemical	
		Substances	



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vi	KECL/KECI	Korean Existing Chemicals Inventory
vii	NZIoC	New Zealand Inventory of Chemicals
viii	PICCS	Philippines Inventory of Chemicals & Chemical Substances
ix	US TSCA	United States Toxic Substances Control Act
Х	JPDSC	Japanese Poisonous and Deleterious Substances Control Law
xi	INSQ	Mexican National Inventory of Chemical Substances
xii	TIC	Turkish Inventory of Chemicals

16. OTHER INFORMATION

16.1	NFPA Rating		3 0
i	Health hazard	: 3 - Materials that, under emerg cause temporary incapacitation or	
ii	Fire hazard	: 0 - Materials that will not burn conditions, including intrinsica materials such as concrete, stone,	n under typical dire Ily non-combustible
iii	Reactivity	: 0 - Material that in themselves are under fire conditions.	normally stable, even
16.2	HMIS Rating		Health 3
			Fire 0
			Reactivity 0
			Personal J Protection
i	Health	: 3 - Moderate Hazard - Temporary occur	
ii	Flammability	: 0 - Minimal Hazard - Materials that	will not burn
iii	Physical	 0 - Minimal Hazard - Materials that even under fire conditions, and will polymerize, decompose, condense Explosives. 	NOT react with water, e, or self-react. Non-
vi	Personal Protection	 J - Gloves. Synthetic apron. Vapo Be sure to use an approved/c equivalent. Wear appropriate respi is inadequate. Splash goggles. 	ertified respirator or
16.3	Further Information	<u> </u>	
-		n is derived from the available literature complete & conclusive. The company	



Manufacturers & Exporters of Pharmaceutical Chemicals

	responsible for any damage resulting from handling or usage of the product. The		
	information shall be used only as a guide.		
16.4	Preparation Information		
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	Version: 2.0 Revision Date: 01/01/2022		



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