SDS No.: IX0160 92280 SAFETY DATA SHEET	Km00626	KI 01039AH CORROSIVE STORAGE CODE WHITE
Section 1 Chemical Product and Company Information		
Nasco 901 Janesville Ave. P.O. Box 901 Fort Atkinson, WI 53538-0901		CHEMTREC 24 Hour Emergency Phone Number (800) 424-9300 For laboratory use only. Not for drug, food or household use.
Product IODINE-POTASSIUM IODIDE SOLUTION		
Synonyms Iodine-Iodide / Iodine Solution / Iodine / Iodine Lugol's Dilute / Gram's Iod	dine Solution / lodine 2% / Dilute Lu	gol's Solution
Section 2 Hazards Identification		
Pictograms: GHS07 / GHS09 Target organs: Thyroid, kidneys, endocrine system, skin, eyes, reproductive system, central nervous system.	P302/352: IF ON SKIN: Wash P304/340: IF INHALED: Remo comfortable for breathing. P312: Call a POISON CENTEF P362: Take off contaminated cl P391: Collect spillage.	a well-ventilated area. ironment. protective clothing/eye protection/face protection. with plenty of soap and water. ve victim to fresh air and keep at rest in a position R or doctor/physician if you feel unwell.

Ca Prop 65 - This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

lommé Chimique	# CAS	%	EINECS	
Vater Potassium iodide odine	7732-18-5 7681-11-0 7553-56-2	95.10% 3.05% 1.85%	231-791-2 231-659-4 231-442-4	

Section 4 First Ald Measures

INGESTION: MAY BE HARMFUL IF SWALLOWED. Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person.

INHALATION: HARMFUL IF INHALED. Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention. Harmful if inhaled.

EYE CONTACT: MAY CAUSE IRRITATION. Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention.

SKIN ABSORPTION: HARMFUL IN CONTACT WITH SKIN. Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention. Harmful in contact with skin.

## Section 5 Fire Fighting Measures

Extinguishing Media: Use any media suitable for extinguishing supporting fire.

General Information: In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective gear. Use water spray to keep fire-exposed containers cool.

Specific Hazards: In fire conditions, water may evaporate from this solution which may cause hazardous decomposition products to be formed as dust or fume.

## Section 6 Accidental Release Measures

Personal Precautions: Evacuate personnel to safe area. Use proper personal protective equipment as indicated in Section 8. Provide adequate ventilation.

Environmental Precautions: Avoid runoff into storm sewers and ditches which lead to waterways.

Containment and Cleanup: Absorb with inert dry material, sweep or vacuum up and place in a suitable container for proper disposal. Wash spill area with soap and water.

1-m

## Section 7 Handling & Storage

Read label on container before using. Do not wear contact lenses when working with chemicals. Keep container tightly closed. Keep out of reach of children. Use with adequate ventilation. Wash thoroughly after handling.

Handling: Use with adequate ventilation. Avoid contact with eyes, skin and clothing. Avoid ingestion. Do not inhale vapors, mist or spray. Wash thoroughly after handling. Remove and wash clothing before reuse.

## Storage: Store in a cool, well-ventilated area away from incompatible substances.

Section 8	Exposure Controls / Personal Protection					
Exposure Limits:	Chemical Name	ACGIH (TLV)	OSHA (PEL)	NIOSH (REL)		
	Iodine CAS # 7553-56-2	TWA: 0.01 ppm(IFV)/ STEL: 0.1 ppm(V)	STEL: C 0.1 ppm/C 1 mg/m <sup>3</sup>	STEL: C 0.1 ppm/C 1 mg/m <sup>3</sup>		

Engineering controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower and fire extinguishing material. Personnel should wear safety glasses, goggles, or faceshield, lab coat or apron, appropriate protective gloves. Use adequate ventilation to keep airborne concentrations low.

Respiratory protection: None should be needed in normal laboratory handling at room temperatures. If misty conditions prevail, work in fume hood or wear a NIOSH/MSHAapproved respirator.

approved respirator.								
Section 9	Physical & Chemical Properties							
Appearance: Deep a Odor: Characteristic Odor threshold: Noi pH: Data not availab Metting / Freezing pr Boiling point: ~ 100 Flash point: Not flan	odor. applicable. e. bint: ~ 0°C (~ 32°F) [water] °C (212°F) [water]	Flammability (se Explosion limita Vapor pressure Vapor density (/ Relative density	e (Water = 1): < 1 blid/gas): Not applic : Lower / Upper: N (mm Hg): 14 [water Air = 1): 0.7 [water] (Specific gravity): Complete in water.	lot applicable ]	Auto-Ignitic Decomposi Viscosity: Molecular f	efficient: (n-octan on temperature: N ition temperature: Data not available. ormula: Mixture weight: Mixture		
Section 10	Stability & Reactivity							
Incompatibilities wire iodides when reacted	Stable Stable under recommended th other materials: Metals or l with gaseous ammonia. osition products: Toxic iodid	storage conditions. unsaturated organi		tures which cause e		of ammonia salts. V	/ill form explosive nitrogen	
Section 11	Toxicological Information	1						
Respiratory or skin Germ cell mutageni Carcinogenity: Dati IARC: No component NTP: No component OSHA: No component OSHA: No component Component STOT-repeated expose STOT-repeated expose STOT-repeated expose STOT-repeated expose Statistic component Ingestion: Causes al Skin: Contact may co Eyes: Contact cause Signs and symptom the skin, Inhalation of Repeated or prolong have effects on the th	t of this product present at level of this product present at level nt of this product present at level y: Data not available pare: Data not available para not available Data not available	a.1 mg/m <sup>3</sup> / 24 hour als greater than or es greater than or es greater than or es els greater than or els greater than or d labored breathing a, and vomiting. In s and pain. rt-term exposure: I -like reactions. Inh sitization in rate ca ble for this mixture.	equal to 0.1% is ident jual to 0.1% is ident equal to 0.1% is iden gestion of levels of 2 Lachrymator. The su alation of the vapor r ses. Repeated or pro- ses. Repeated or pro- ses. Repeated or pro-	ified as probable, p led as a known or a tified as a carcinog delayed. -3 grams of iodine a hostance is severely nay cause lung ede jonged inhalation e	ossible or confir inticipated carci en or potential of may cause deat r irritating to the ima. The effects exposure may ca	nogen by NTP. arcinogen by OSH/ h. eyes and the respir s may be delayed. ause asthma-like sy	A. atory tract, and is imitating to Effects of long-term exposur	
		odine CAS # 7555-	-50-2]	-				
Toxicity to daphnia Toxicity to algae: No Persistence and deg Mobility in soil: No	gradability: No data available	Bioaccumul PBT and vP	lative potential: No vB assessment: No	o data available	or disposal.			
Section 13	Disposal Considerations							
These disposal gui regulations may be Section 14	delines are intended for the different. Dispose of in acc Transport Information	disposal of catalo ordance with all I	og-size quantities o ocal, state and fed	nly. Federal regu eral regulations of	lations may ap contract with	pply to empty cont a licensed chemic	ainer. State and/or local cal disposal agency.	
UN/NA number: No Shipping name: No Hazard class: None	one assigned of Regulated.	None assigned	Reportable Quanti	ty: No Marine ;	oollutant: No	Exceptions: N	0	
Section 15	Regulatory Information	-	-	and the second division of the second divisio		-		
	to be listed if the CAS number for t			DOD4	Det	NDE		
Compone lodine Potassium iodide	int	Listed Listed	CERLCA (RQ) Not listed Not listed	RCRA code Not listed Not listed	DSL Listed Listed	NDSL Not listed Not listed	WHMIS Classification E; D2/ D2/	
Paulina 40	Adultional Information				-	-		
and the second se								
determinations of suitabl	Additional Information of herein is furnished without warrar ity and completeness of information acy for Research on Cancer, OSHA:	from all sources to as	sure proper use of these	e materials and the saf	ety and health of e	mployees. NTP: Natio	nal Toxicology Program,	