T & S Educational/Kemtec Science

MATERIAL SAFETY DATA SHEET

(513) 860-4949

MSDS No.: Effective Date:

PP0680 January 1, 2007

SECTIO	N I	NAME		24 HOUI	REMERG	ENCY.	ASSIS	STANCE
Product	Potassium Oxalate, Monohydrate			CHEMTREC				
Chemical Synonyms	Oxalic Acid	Dipotassium Salt		$\frac{1}{2}$		24-9300 Health 2 5-226-6177 Fire 0		
Formula	K ₂ C ₂ O ₄ •H ₂	0		NFP	Reactivity 0			
Unit Size	up to 2.5 Kg			HAZARI				
C.A.S. No.	6487-48-5		The second secon	- MINIMAL O	SLIGHT MOD	DERATE SERIOUS SEVERE 2 3 4		
SECTIO	N II	INGREDIE	NTS OF	MIXTUR	ES			
Principal Component(s)					% TLV Units			
Pota	assium oxalate	•	100%			None established.		
DAI	ALED.							
SE	/ERE IRRITA	NT TO SKIN, EYES ANI	D MUCOUS N	MEMBRANE	S.			
SECTIO	N III - E -	PHYSICAL	_ DATA	H				
Melting Point (°F)		Decomposes @ 160°C (320°F)		Specific Gravity (H ₂ O = 1)		2.127 at 39°C		
Boiling Point (°F)		Decomposes.		Percent Volatile by Volume (%)		N/A		
Vapor Pressure (mm Hg)		N/A		Evaporation Rate (=1)		N/A		
Vapor Dens	ity (Air=1)	N/A						
Solubility in Water		33 grams per 100 mL. water at 20°C.						
		Colorless, transparent crystals or powder; no odor.						
SECTION IV Flash Point		FlRE AND EXPLOS		Management of the particular and		ATA Lower Upper		Upper
(Method Used)	Non-	flammable.						
Extinguisher Media	Wate	spray; carbon dioxide (CO ₂); dry chemical (ABC).						
SPECIAL F	IREFIGHTIN RES		ditions, wear	a NIOSH/MS	SHA-approve	ad salf-co	ntained	
			apparatus an					h
(2004 EMER	GENCY RESF	PONSE GUIDEBOOK, R	RSPA P 5800	.9, GUIDE P	AGE NO. 1	54)		
UNUSUAL EXPLOSIO	FIRE AND N HAZARDS	3	30.1013.4					

Dangerous when heated to decomposition, emits toxic fumes.

Can react vigorously with oxidizing materials.

Toxic solids, organic, n.o.s., (Potassium oxalate), 6.1, UN2811, PG III

_ ECHON V HEALTH HAZARD DATA **Threshold Limited Value** None established (ACGIH 2001). MLD S.C. in mice: 150 mg per kg. Nuisance dust: Respiratory fraction - 5 mg/m³; Total dust - 1 mg/m³. SKIN AND EYES: May cause severe eye and skin irritation or burns. **Effects of Overexposure** INHALATION: Causes severe irritation to mucous membranes and upper respiratory tract. INGESTION: Has caustic effect on mouth, esophagus and stomach. May cause gastrointestitis, with pain and vomiting. Target organs: Kidneys, liver, heart, central nervous system. Emergency and INGESTION: Call physician or Poison Control Center immediately. Induce First Aid Procedures vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person. EYES: 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: Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention. SECTION VI REACTIVITY DATA Conditions to Avoid Unstable Stability Excessive temperature and heat. Stable Χ Incompatibility Strong oxidizers. (Materials to Avoid) Hazardous Thermal decomposition may release toxic fumes of carbon monoxide and potassium oxides. **Decomposition Products** Hazardous Polymerization Conditions to Avoid Will Not Occur May Occur Not applicable. SECTION VII SPILL OR LEAK PROCEDURES Steps to be taken in case Ventilate area. Wear suitable protective clothing. Sweep up material is released or spilled and place in a suitable container for proper disposal. Flush spill area with water. Discharge, treatment, or disposal may be subject to Federal, State or Local laws Waste Disposal Method These disposal guidelines are intended for the disposal of catalog-size quantities only. Dispose of in an approved incinerator or contract with an approved and licensed disposal agency. SPECIAL PROTECTION INFORMATION SECTION VIII None needed in normal laboratory handling. If dusty conditions prevail, work in ventilation hood or wear a NIOSH/MSHA-approved dust mask or respirator. Respiration Protection (Specify Type) Local Exhaust Special Recommended. Ventilation No. Mechanical (General) Recommended. Other Chemical safety glasses Eye Protection **Protective Gloves** Rubber. Other Protective Goggles, smock, apron, eye wash station, ventilation hood, proper gloves. Fauinment SPECIAL PRECAUTIONS SECTION X Precautions to be Taken Store in a cool, dry place away from sources of heat or ignition. in Handling & Storing Wash thoroughly after handling. Keep container tightly closed when not in use. Read label on container before using. Do not wear contact lenses when working with chemicals. For laboratory use only. Not for drug, food or household use. Keep out of reach of children. Other Precautions Avoid contact with skin and eyes. Do not take internally. Avoid breathing dust. Use with adequate ventilation. Remove and wash contaminated clothing. Date 01/01/07 Approved James A. Bertsch Revision No. The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. * Heazerfoods Materials industrial Standards Printed on recycled paper.

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