SAFETY DATA SHEET

Section 1 Chemical Product and Company Identification

CRYSTAL VIOLET SOLUTION (HUCKER'S)

HOME SCIENCE TOOLS

665 Carbon Street Billings, MT 59102 800-860-6272 www.homesciencetools.com

Product

Page E1 of E2

CHEMTREC 24 Hour Emergency USA Phone Number (800) 424-9300 1 703-741-5500 (from anywhere in the world).

For laboratory and industrial use only. Not for drug, food or household use.

Crystal Violet Hucker's Solution Synonyms Section 2 **Hazards Identification** Signal word: DANGER Precautionary statement: Pictograms: GHS02 / GHS07 / GHS08 P201: Obtain special instructions before use Target organs: Eyes, Central nervous system, Liver, Kidneys. P202: Do not handle until all safety precautions have been read and understood. P210: Keep away from heat/sparks/open flames/hot surfaces. No smoking. P240: Ground/bond container and receiving equipment. P241: Use explosion-proof electrical/ventilating/lighting equipment. P242: Use only non-sparking tools. P243: Take precautionary measures against static discharge. **GHS Classification:** P260: Do not breathe mist/vapours/spray. Flam. liq. (Category 2) P264: Wash hands thoroughly after handling. Skin irrit. (Category 2) P271: Use only outdoors or in a well-ventilated area. Eye irrit. (Category 2B) P280: Wear protective gloves/protective clothing/eye protection/face protection. STOT-SE (Category 3) P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Carcinogenicity (Category 2) Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313: If eve irritation persists: Get medical attention GHS Label information: Hazard statement: P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated H225: Highly flammable liquid and vapour. clothing. Rinse skin with water/shower. H315: Causes skin irritation. P332+P313: If skin irritation occurs: Get medical attention. H319: Causes serious eve irritation. P362+P364: Take off contaminated clothing and wash it before reuse. H336: May cause drowsiness or dizziness. P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for H351: Suspected of causing cancer. breathing P312: Call a POISON CENTER or doctor if you feel unwell. P403+P233: Store in a well-ventilated place. Keep container tightly closed. P405: Store locked up. P501: Dispose of contents/container to a licensed chemical disposal agency in accordance with local/regional/national regulations. Hazards not otherwise classified: Health hazards not otherwise classified (HHNOC) - Not Known Physical hazards not otherwise classified (PHNOC) - Not Known

CAS # 7732-18-5 64-17-5	% 73.67% 19.50-19.69%	EINECS 231-791-2 200-578-6
64-17-5		
• • • •	19.50-19.69%	200-578-6
E 10 00 0		
548-62-9	2.42%	208-953-6
67-63-0	2.06%	200-661-7
6009-70-7	0.97%	214-202-3 (anhydrous)
67-56-1	0.91-0.98%	200-659-6
108-10-1	0.20-0.22%	203-550-1
	6009-70-7 67-56-1	6009-70-70.97%67-56-10.91-0.98%

Section 4 First Aid 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: MAY BE HARMFUL. IF INHALED. CAUSES RESPIRATORY TRACT IRRITATION. Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

EYE CONTACT: CAUSES EYE 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: MAY BE HARMFUL IF ABSORBED THROUGH SKIN. CAUSES SKIN IRRITATION. Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention.

Section 5 Fire Fighting Measures

Suitable Extinguishing Media: Carbon dioxide, dry chemical, dry sand, alcohol foam.

Protective Actions for Fire-fighters: 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: During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Vapors formed from this product are heavier than air and may travel along the ground to a distant source of ignition and flash back instantly. Flame may not be visible in daylight.

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: Remove all sources of ignition. 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.

Section 7 Handling & Storage

Precautions for Safe Handling: Read label on container before using. Do not wear contact lenses when working with chemicals. Keep out of reach of children. Avoid contact with eyes, skin and clothing. Do not inhale vapors, spray or mist. Use with adequate ventilation. Avoid ingestion. Wash thoroughly after handling. Remove and wash clothing before reuse.

Conditions for Safe Storage: Store in a cool, dry, well-ventilated area away from incompatible substances. Keep away from ignition sources.

Section 8	Exposure Controls / Personal Pro	tection		
Exposure Limits:	Chemical Name	ACGIH (TLV)	OSHA (PEL)	NIOSH (REL)
Exposure Linits.	Ethanol	STEL: 1000 ppm / 1880 mg/m ³ (A3)	TWA: 1000 ppm / 1900 mg/m ³	TWA: 1000 ppm / 1900 mg/m ³

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 respirato	л. 						
Section 9	Physical & Chemical Prop	perties					
Odor: Mild charact Odor threshold: E pH: Data not availa Melting / Freezing p Boiling point: App	Data not available.	Flammability (Explosion limi Vapor pressur Vapor density Relative densi	ate (Butyl acetate = 1 solid/gas): Data not its: Lower / Upper: 4 e (mm Hg): C14@2 (Air = 1): 0.96168 ty (Specific gravity): : Soluble in water.	available. 4% / 20% 0°C	Auto-ignit Decompos Viscosity: Molecular		:: 383°C (721°F)* ire: Data not available. ble. re
Section 10	Stability & Reactivity						
Chemical stability Conditions to avo	 r: Stable id: Excessive temperatures, heat 		ous polymerization: ame and other source				
incompatible mat	erials: Strong oxidizers, inorganio	c acids, halogens	and reducing agents.				
Hazardous decom	nposition products: Carbon oxid	les, chlorine, amı	monia and/or nitrogen	oxides.			
Section 11	Toxicological Information						
Carcinogenity: D NTP: No compone IARC classified: GI OSHA: No compor CA Prop 65: W/A cancer and birth de Reproductive tox: STOT-single expo	enicity: Data not available ata not available nt of this product present at levels roup 3: Not classifiable as to its ca ent of this product present at leve ARNING! : This product can expos efects or other reproductive harm. icity: Data not available osure: The substance or mixture i	arcinogenicity to h els greater than o se you to chemica	numans. [Isopropanol] r equal to 0.1% is ider als including Methanol	ntified as a carcinoge and Methyl isobutyl	en or potential ketone, which	carcinogen by OS are known to the	e State of California to cause
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