



Section 1. Identification of the Substance/Mixture and the Company

1.1 Product Identifier	Product Name: Herovici's Solution A Product Number: HVA	
1.2 Intended use	EN: Laboratory reagent. For professional use only. DA: Laboratoriereagens. Kun til professionelt brug. DE: Laboratoriumreagens. Alleen voor professioneel gebruik. EL: Αντιδραστήριο εργαστηρίου. Για επαγγελματική χρήση μόνο. ES: Reactivo de laboratorio. Sólo para uso profesional. FR: Réactif de laboratoire. Pour un usage professionnel uniquement. IT: Laboratorio di reagente. Solo per uso professionale. NL: Laboratoriumreagens. Alleen voor professioneel gebruik. PT: Reagente de laboratório. Para uso profissional. SV: Laboratoriereagens. Endast för yrkesmässig användning.	
1.3 Details of the supplier of the safety data sheet	Manufacturer	ScyTek Laboratories, Inc.
	Address	205 South 600 West Logan, Utah 84321 U.S.A.
	Phone Number	800-729-8350
	Fax Number	435-755-0015
	e-mail	scytek@scytek.com
	Website	scytek.com
1.4 Emergency Telephone	Chemtrec (USA): 1-800-424-9300	

Section 2. Hazards Identification

2.1 GHS Classification	Skin irritation (Category 2) – H315 Eye irritation (Category 2A) – H320	
2.2 Label Elements	Pictogram(s): 	
	Signal word:	Warning
	Hazard statement(s):	H315 – Causes skin irritation H320 – Causes eye irritation
	Precautionary statement(s):	P302+ P352 - IF ON SKIN: Wash with plenty of soap and water P305 + P351 - IF IN EYES: Rinse cautiously with water for several minutes.




NFPA Scale: 0-4 (Estimated for Mixtures)			
HMIS (U.S.A.) Scale: 0-4 (Estimated for Mixtures)	HEALTH	1	
	FLAMMABILITY	0	
	PHYSICAL HAZARD	0	
	PERSONAL PROTECTION	B	
2.3 Other Hazards	PBT: This mixture does not contain any substances that are assessed to be a PBT. vPvB: This mixture does not contain any substances that are assessed to be a vPvB.		

Section 3. Composition and Information on Ingredients

3.2 Chemical Description: Mixture

*May contain additional non-hazardous proprietary ingredients.

*May contain additional active ingredients at concentrations <0.1%w/v.

Hazardous Ingredients:	CAS#	EC#	GHS Symbols	%
Acetic Acid	64-19-7	200-580-7	 Warning. 3, H226 Flammable liquid and vapour.  Danger. 1A H314 Causes severe skin burns and eye damage.	≤ 2
Aniline Blue	28631-66-5	249-113-9	 Warning. 2 H315 Causes skin irritation. 1, H317 May cause an allergic skin reaction. 2 H319 Causes serious eye irritation	≤ 1%

Section 4. First Aid Measures

4.1 Description of first aid measures

Eye Contact: Check for and remove contact lenses. Immediately flush eyes with copious amounts of water. Get immediate medical attention if irritation persists.

Skin Contact: Remove contaminated clothing and wash contact area with mild soap and copious amounts of water. Get medical attention if irritation develops.

Inhalation: If inhaled, remove person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms worsen.

Ingestion: Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as collar, tie, belt or waistband. Get immediate medical attention.

4.2 Most important symptoms and effects, both acute and delayed

See section 2.2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed

No data available

Section 5. Fire Fighting Measures

5.1 Extinguishing Media	Extinguish fire using water spray, carbon dioxide, chemical foam, or dry chemical.
5.2 Special hazards arising from the substance or mixture	Carbon oxides, Nitrogen oxides (NOx), Sulphur oxides, Sodium oxides.
5.3 Advice for firefighters	As with any fire, wear personal protection equipment, including a self-contained breathing apparatus (S.C.B.A.)

Section 6. Accidental Release Measures

- 6.1 Personal precautions, protective equipment and emergency procedures**
Wear chemical resistant clothing, gloves, and eye protection. Wear NIOSH/MSHA approved breathing apparatus.
- 6.2 Environmental precautions**
Keep material away from heat, flame, ignition sources, and reactive materials. Don't allow product to enter drain.
- 6.3 Methods and materials for containment and cleaning up**
Wipe up or absorb spill using inert absorbent and place in a suitable waste container for disposal.

Section 7. Handling and Storage

- 7.1 Precautions for safe handling.**
Avoid contact with skin and eyes.
Wash thoroughly after handling.
Avoid breathing vapor.
- 7.2 Conditions for safe storage, including any incompatibilities.**
Store in well ventilated area.
Keep container tightly closed.
Store at 15-30°C.
- 7.3 Specific end use(s).**
See section 1.2

Section 8. Exposure Controls / Personal Protection

8.1 Control parameters	Exposure Limits: Acetic acid, glacial; ACGIH TLV: 15ppm (37 mg/m ³) STEL 10 ppm (25 mg/m ³) TWA NIOSH REL: 15 ppm (37 mg/m ³) STEL 10 ppm (25 mg/m ³) TWA OSHA PEL: 10 ppm (25 mg/m ³) TWA
8.2 Exposure controls	Personal Protective Equipment (PPE): Eye/Face protection. Safety glasses or goggles are required. Skin protection. Protective clothing is required. Hand protection.

	<p>Chemical resistant gloves are required. Glove material must be resistant to the components of this product. Consult glove manufacturer for specific recommendations of appropriate material and thickness of glove.</p> <p>Respiratory protection. Avoid breathing vapor.</p> <p>Environmental exposure controls. Avoid releasing large quantities into the environment. No additional information.</p>
Engineering Controls	<p>Working area should be adequately large and well ventilated to prevent concentration of vapors. Provide mechanical exhaust ventilation or other engineering controls to keep airborne concentrations of vapors below their respective threshold limits.</p>

Section 9. Physical and Chemical Properties

Physical State	Liquid
Color	Blue
Odor	Odorless
Odor Threshold	Unknown
pH	Unknown
Melting Point/ Freezing Point	Unknown
Initial Boiling Point	Unknown
Flash Point	Unknown
Evaporation Rate	Unknown
Flammability (solid, gas)	Unknown
Upper/Lower Flammability Limits	Unknown
Vapor Pressure	Unknown
Vapor Density	Unknown
Relative Density	Unknown
Solubility(ies)	Water
Partition Coefficient: n-octanol/water	Unknown
Auto-Ignition Temperature	Unknown
Decomposition Temperature	Unknown
Viscosity	Unknown
Explosive Properties	Not explosive.
Oxidizing Properties	Unknown

Section 10. Stability and Reactivity

10.1 Reactivity	No relevant data available.
10.2 Chemical Stability	Stable under normal temperatures and pressures.
10.3 Possibility of Hazardous Reactions	No hazardous reactions known.
10.4 Conditions to Avoid	Fire, static electricity, direct sunlight.
10.5 Incompatible Materials	Strong oxidizing agents, Bases, Acids, Metals.

10.6 Hazardous Decomposition Materials	Carbon monoxide, carbon dioxide, nitrogen oxides.
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Section 11. Toxicological Information

11.1 Information on Toxicological Effects.	<p>Acute Toxicity. No relevant data available</p> <p>Skin Corrosion/Irritation. Irritating to skin and mucous membranes.</p> <p>Serious Eye Damage/Irritation. Irritating to the eye.</p> <p>Respiratory or skin sensitization. No relevant data available.</p> <p>Germ Cell Mutagenicity. No relevant data available.</p>
Carcinogenicity.	<p>International Agency for Research on Cancer (IARC). None of the components are listed.</p> <p>National Toxicology Program (NTP). None of the components are listed.</p>

Section 12. Ecological Information

12.1 Toxicity	<p>Fish: No relevant studies identified.</p> <p>Crustacea: No relevant studies identified.</p> <p>Algae/Aquatic Plants: No relevant studies identified.</p> <p>Other Organisms: No relevant studies identified.</p>
12.2 Persistence and Degradability.	No relevant studies identified.
12.3 Bioaccumulative Potential.	No relevant studies identified.
12.4 Mobility in Soil.	Miscible in water. May spread in water systems. This component is non-volatile.
Additional Remarks	None.
12.5 Results of PBT and vPvB Assessment.	<p>PBT: This mixture does not contain any substances that are assessed to be a PBT.</p> <p>vPvB: This mixture does not contain any substances that are assessed to be a vPvB.</p>

Section 13. Disposal Considerations

13.1 Waste Disposal Methods.	Sewage disposal is discouraged. Waste should not be disposed of by release to sewers. Dispose waste in accordance with federal, state and local environmental control regulations.
Product/Packaging Disposal.	Final decisions on the appropriate waste management method must be in line with local, regional and national regulations.
Other Disposal Recommendations.	No relevant data available.

Section 14. Transport Information – DOT, ADR, IMDG, IATA

14.1 UN Number	Not dangerous goods.
14.2 UN Proper Shipping Name	Not dangerous goods.
14.3 Transport Hazard Class(es)	Not dangerous goods.

14.4 Packing Group	Not dangerous goods.
14.5 Environmental Hazards	Marine Pollutant: No
14.6 Special Precautions for User	Not applicable.

Section 15. Regulatory Information

15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture.	
Extremely Hazardous Substances; Section 355	None of the components in this mixture are listed.
Toxic Substances Control Act; TSCA	All of the components in this mixture are listed.
California Proposition 65	None of the components in this mixture are listed.
Right To Know Components	<u>Acetic Acid, CAS # 64-19-7</u> California Massachusetts Minnesota New Jersey Pennsylvania Rhode Island
15.2 Chemical Safety Assessment	No Chemical Safety Assessment has been carried out for this substance/mixture by ScyTek Laboratories, Inc.
H statements	H315 – Causes skin irritation BG Предизвиква дразнене на кожата. ES Provoca irritación cutánea. CS Dráždí kůži. DA Forårsager hudirritation. DE Verursacht Hautreizungen. ET Põhjustab nahaärritust. EL Προκαλεί ερεθισμό του δέρματος. EN Causes skin irritation. FR Provoque une irritation cutanée. GA Ina chúis le greannú craicinn. IT Provoca irritazione cutanea. LV Kairina ādu. LT Dirgina odą. HU Bőrirritáló hatású. MT Jaghmei irritazzjoni tal-gilda. NL Veroorzaakt huidirritatie. PL Działa drażniąco na skórę. PT Provoca irritação cutânea. RO Provoacă iritarea pielii. SK Dráždí kožu. SL Povzroča draženje kože. FI Ärsyttää ihoa. SV Irriterar huden.
P statements	P302+ P352 - IF ON SKIN: Wash with plenty of soap and water BG ПРИ КОНТАКТ С КОЖАТА: Измийте обилно със сапун и вода. ES EN CASO DE CONTACTO CON LA PIEL: Lavar con agua y jabón abundantes. CS PŘI STYKU S KŮŽÍ: Omyjte velkým množstvím vody a mýdla. DA VED KONTAKT MED HUDEN: Vask med rigeligt sæbe og vand. DE BEI KONTAKT MIT DER HAUT: Mit viel Wasser und Seife waschen. ET NAHALE SATTUMISE KORRAL: pesta rohke vee ja seebiga. EL ΣΕ ΠΕΡΙΠΤΩΣΗ ΕΠΑΦΗΣ ΜΕ ΤΟ ΕΡΜΑ: Πλύνετε με άφθονο νερό και σαπούνι. EN IF ON SKIN: Wash with plenty of soap and water. FR EN CAS DE CONTACT AVEC LA PEAU: laver abondamment à l'eau et au savon. GA I gCÁS TEAGMHÁLA LEIS AN gCRAICEANN: Nigh le neart gallúnaí agus uisce. IT IN CASO DI CONTATTO CON LA PELLE: lavare abbondantemente con acqua e sapone. LV SASKARĒ AR ĀDU: nomazgāt ar lielu ziepju un ūdens daudzumu. LT PATEKUS ANT ODOS: Nuplauti dideliu kiekį muilo ir vandens. HU HA BŐRRE KERÜL: Lemosás bő szappanos vízzel. MT JEKK FUQ IL-GILDA: Ahsel b'ħafna sapun u ilma. NL BIJ CONTACT MET DE HUID: met veel water en zeep wassen. PL W PRZYPADKU KONTAKTU ZE SKÓRĄ: Umyć dużą ilością wody z mydłem. PT SE ENTRAR EM CONTACTO COM A PELE: lavar com sabonete e água abundantes.

Safety Data Sheet
HVA-SDS

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RO ÎN CAZ DE CONTACT CU PIELEA: spălați cu multă apă și săpun.
SK PRI KONTAKTE S POKOŽKOU: Umyte veľkým množstvom vody a mydla.
SL PRI STIKU S KOŽO: umiti z veliko mila in vode.
FI JOS KEMIKAALIA JOUTUU IHOLLE: Pese runsaalla vedellä ja saippualla.
SV VID HUDKONTAKT: Tvätta med mycket tvål och vatten.

Section 16. Other Information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. ScyTek Laboratories shall not be held liable for any damage resulting from handling or from contact with the above product.