



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

1.1 Product Identifier	Product Name: Safranin O Solution (For Gram Staining) Product Number: SOG	
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

Section 2. Hazards Identification

2.1 GHS Classification	Skin irritation (Category 2) – H315 Eye irritation (Category 2) – 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. <i>Translations of Hazard and Precautionary statements can be found in section 15.</i>






NFPA Scale: 0-4			
HMIS (U.S.A.) Scale: 0-4	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	%
Safranin O	477-73-6	207-518-8	 Warning. 2 H315 Causes skin irritation.  Danger. 1 H318 Causes serious eye damage.	≤ 0.5
Ethanol	64-17-5	200-578-6	 Danger. 2 H225 Highly flammable liquid and vapour.	≤ 20
Isopropanol	67-63-0	200-661-7	 Warning. 2. H319 Causes serious eye irritation. 3. H336 May cause drowsiness or dizziness.  Danger. 3 H225 Highly flammable liquid and vapour.	≤ 2

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	No unusual fire or explosion hazards expected.
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: N/A
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. 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. Respiratory protection. Avoid breathing vapor. Environmental exposure controls. Avoid releasing large quantities into the environment. No additional information.
Engineering Controls	Working area should be adequately large and well ventilated to prevent concentration of vapors.

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	Provide mechanical exhaust ventilation or other engineering controls to keep airborne concentrations of vapors below their respective threshold limits.
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Section 9. Physical and Chemical Properties

Physical State	Liquid
Color	Red.
Odor	Unknown
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.
10.6 Hazardous Decomposition Materials	Carbon monoxide, carbon dioxide, nitrogen oxides.

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 eye.</p>
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	<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

14.1 UN Number DOT, IATA,IMDG, ADR	<p>DOT: Not dangerous goods.</p> <p>ADR/RID: Not dangerous goods.</p> <p>IMDG: Not dangerous goods.</p> <p>IATA: Not dangerous goods.</p>
14.2 UN Proper Shipping Name DOT, IATA,IMDG, ADR	<p>ADR/RID: Not dangerous goods.</p> <p>IMDG: Not dangerous goods.</p> <p>IATA: Not dangerous goods.</p> <p>DOT: Not dangerous goods.</p>
14.3 Transport Hazard Class(es)	<p>DOT: Not dangerous goods.</p> <p>IATA: Not dangerous goods.</p> <p>IMDG: Not dangerous goods.</p> <p>ADR/RID: Not dangerous goods.</p>
14.4 Packing Group DOT, IATA,IMDG, ADR	<p>ADR/RID: Not dangerous goods.</p> <p>IMDG: Not dangerous goods.</p> <p>IATA: Not dangerous goods.</p> <p>DOT: Not dangerous goods.</p>

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	None of the components in this mixture are listed.
15.2 Chemical Safety Assessment	No Chemical Safety Assessment has been carried out for this substance/mixture by ScyTek Laboratories, Inc.
H statements	<p>H315 – Causes skin irritation</p> <p>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 Jaghmel irritazzjoni tal-ġilda. 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>
P statements	<p>P302+ P352 - IF ON SKIN: Wash with plenty of soap and water</p> <p>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-ĠILDA: Ahsel b'hafna 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. 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.</p>

P305 + P351 - IF IN EYES: Rinse cautiously with water for several minutes.

Language

BG ПРИ КОНТАКТ С ОЧИТЕ: Промивайте внимателно с вода в продължение на няколко минути. Свалете контактните лещи, ако има такива и доколкото това е възможно.

Продължавайте да промивате.

ES EN CASO DE CONTACTO CON LOS OJOS: Aclarar cuidadosamente con agua durante varios minutos. Quitar las lentes de contacto, si lleva y resulta fácil. Seguir aclarando

CS PŘI ZASAŽENÍ OČÍ: Několik minut opatrně vyplachujte vodou. Vyměňte kontaktní čočky, jsou-li nasazeny a pokud je lze vymout snadno. Pokračujte ve vyplachování.

DA VED KONTAKT MED ØJNENE: Skyl forsigtigt med vand i flere minutter. Fjern eventuelle kontaktlinser, hvis dette kan gøres let. Fortsæt skylning.

DEBEI KONTAKT MIT DEN AUGEN: Einige Minuten lang behutsam mit Wasser spülen. Vorhandene Kontaktlinsen nach Möglichkeit entfernen. Weiter spülen.

ET SILMA SATTUMISE KORRAL: loputada mitme minuti jooksul ettevaatlikult veega. Eemaldada kontaktläätsed, kui neid kasutatakse ja kui neid on kerge eemaldada. Loputada veel kord.

EL ΣΕ ΠΕΡΙΠΤΩΣΗ ΕΠΑΦΗΣ ΜΕ ΤΑ ΜΑΤΙΑ: Ξεπλύνετε προσεκτικά με νερό για αρκετά λεπτά. Εάν υπάρχουν φακοί επαφής, αφαιρέστε τους, εφόσον είναι εύκολο. Συνεχίστε να ξεπλένετε.

EN IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

FR EN CAS DE CONTACT AVEC LES YEUX: rincer avec précaution à l'eau pendant plusieurs minutes. Enlever les lentilles de contact si la victime en porte et si elles peuvent être facilement enlevées. Continuer à rincer.

GA I gCÁS TEAGMHÁLA LEIS NA SÚILE: Sruthlaigh go cúramach le huisce ar feadh roinnt nóiméad. Tóg amach na tadhall-lionsaí, más ann dóibh agus más furasta. Lean den sruthlú.

IT IN CASO DI CONTATTO CON GLI OCCHI: sciacquare accuratamente per parecchi minuti. Togliere le eventuali lenti a contatto se è agevole farlo. Continuare a sciacquare.

LV SASKARĒ AR ACĪM: uzmanīgi izskalot ar ūdeni vairākas minūtes. Izņemt kontaktlēcas, ja tās ir ievietotas un ja to ir viegli izdarīt. Turpināt skalot.

LT PATEKUS Į AKIS: Kelias minutes atsargiai plauti vandeniu. Išimti kontaktinius lęšius, jeigu jie yra ir jeigu lengvai galima tai padaryti. Toliau plauti akis.

HU SZEMBE KERÜLÉS esetén: Több percig tartó óvatos öblítés vízzel. Adott esetben a kontaktlencsék eltávolítása, ha könnyen megoldható. Az öblítés folytatása.

MT JEKK JIDHOL FL-GHAJNEJN: Laħlah b'attenzjoni bl-ilma għal diversi minuti. Nehħi l-lentijiet tal-kuntatt, jekk ikun hemm u jkunu faċli biex tneħħihom. Komplii laħlah.

NL BIJ CONTACT MET DE OGEN: voorzichtig afspoelen met water gedurende een aantal minuten; contactlenzen verwijderen, indien mogelijk; blijven spoelen.

PL W PRZYPADKU DOSTANIA SIĘ DO OCZU: Ostrożnie płukać wodą przez kilka minut. Wyjąć soczewki kontaktowe, jeżeli są i można je łatwo usunąć. Nadal płukać.

PT SE ENTRAR EM CONTACTO COM OS OLHOS: enxaguar cuidadosamente com água durante vários minutos. Se usar lentes de contacto, retire-as, se tal lhe for possível. Continuar a enxaguar.

RO ÎN CAZ DE CONTACT CU OCHII: clătiți cu atenție cu apă timp de mai multe minute. Scoateți lentilele de contact, dacă este cazul și dacă acest lucru se poate face cu ușurință. Continuați să clătiți.

SK PO ZASIAHNUTÍ OČÍ: Niekoľko minút ich opatrne vyplachujte vodou. Ak používate kontaktné šošovky a ak je to možné, odstráňte ich. Pokračujte vo vyplachovaní.

SL PRI STIKU Z OČMI: previdno izpirajte z vodo nekaj minut. Odstranite kontaktne leče, če jih imate in če to lahko storite brez težav. Nadaljujte z izpiranjem.

FI JOS KEMIKAALIA JOUTUU SILMIIN: Huuhdo huolellisesti vedellä usean minuutin ajan. Poista piilolinssit, _edical voi tehdä helposti. Jatka huuhtomista.

SV VID KONTAKT MED ÖGONEN: Skölj försiktigt med vatten i flera minuter. Ta ur eventuella kontaktlinser om det går lätt. Fortsätt att skölja.

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.