



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

1.1 Product Identifier	Product Name: Alpha-Amylase Solution (1%) Product Number: AAS	
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	Acute toxicity, Oral (Category 4) – H302	
2.2 Label Elements	Pictogram(s): 	
	Signal word:	Warning
	Hazard statement(s):	H302 – Harmful if swallowed.
	Precautionary statement(s):	P261 – Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. P342 + P311 – If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
	<i>Translations of Hazard and Precautionary statements can be found in section 15.</i>	

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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	%
Sodium Azide	26628-22-8	247-852-1	 Danger 1, 2 H300 Fatal if swallowed. H310 Fatal in contact with skin.  Warning. 1. H410 Very toxic to aquatic life with long lasting effects.	≤ 0.1
Alpha-Amylase	9000-90-2	232-565-6	 Danger 1. H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.	≤ 10

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 medical attention if symptoms persist.

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 explosive 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 2-8°C.
- 7.3 Specific end use(s).**
See section 1.2

Section 8. Exposure Controls / Personal Protection

8.1 Control parameters	Exposure Limits: Sodium Azide ACGIH TLV: 0.29/mg/m ³ ceiling NIOSH REL-C: 0.3mg/m ³ skin
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.

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	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. Provide mechanical exhaust ventilation or other engineering controls to keep airborne concentrations of vapors below their respective threshold limits.

Section 9. Physical and Chemical Properties

Physical State	Liquid
Color	Colorless to slightly yellow.
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	Sodium Azide may react with lead and copper plumbing to form explosive metal azides.
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 acids, bases and oxidizers.
10.6 Hazardous Decomposition Materials	None known.

Section 11. Toxicological Information

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

Section 12. Ecological Information

12.1 Toxicity	Fish: No relevant studies identified. Crustacea: No relevant studies identified. Algae/Aquatic Plants: No relevant studies identified. Other Organisms: No relevant studies identified.
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.	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 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	DOT: Not dangerous goods ADR/RID: Not dangerous goods IMDG: Not dangerous goods IATA: Not dangerous goods
14.2 UN Proper Shipping Name DOT, IATA,IMDG, ADR	ADR/RID: Not dangerous goods IMDG: Not dangerous goods IATA: Not dangerous goods DOT: Not dangerous goods
14.3 Transport Hazard Class(es)	DOT: Not dangerous goods IATA: Not dangerous goods IMDG: Not dangerous goods ADR/RID: Not dangerous goods
14.4 Packing Group	ADR/RID: Not dangerous goods

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DOT, IATA, IMDG, ADR	IMDG: Not dangerous goods IATA: Not dangerous goods DOT: 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	Sodium Azide is 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	Sodium Azide Massachusetts Pennsylvania New Jersey Sodium Chloride Pennsylvania New Jersey Alpha-Amylase Pennsylvania New Jersey
Other Regulations	Sodium Azide SARA 302 SARA 313
15.2 Chemical Safety Assessment	No Chemical Safety Assessment has been carried out for this substance/mixture by ScyTek Laboratories, Inc.
Hazard Statements	H302 – Harmful if swallowed BG Вреден при поглъщане. ES Nocivo en caso de ingestión. CS Zdraví škodlivý při požití. DA Farlig ved indtagelse. DE Gesundheitsschädlich bei Verschlucken. ET Allaneelamiselt kahjulik. EL Επιβλαβές σε περίπτωση κατάποσης. EN Harmful if swallowed. FR Nocif en cas d'ingestion. GA Díobháalach má shlogtar. IT Nocivo se ingerito. LV Kaitīgs, ja norij. LT Kenksminga prarijus. HU Lenyelve ártalmas. MT Jagħmel il-ħsara jekk jinbela'. NL Schadelijk bij inslikken. PL Działa szkodliwie po połknięciu. PT Nocivo por ingestão. RO Nociv în caz de înghițire. SK Škodlivý po požití. SL Zdravju škodljivo pri zaužitju. FI Haitallista nieltynä. SV Skadligt vid förtäring.
Precautionary statements.	P261 – Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. BG Избягвайте вдишване на прах/пушек/газ/дим/изпарения/аеросоли ES Evitar respirar el polvo/el humo/el gas/la niebla/los vapores/el aerosol. CS Zamezte vdechování prachu/dýmu/plynu/mlhy/par/aerosolů.

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	<p>DA Undgå indånding af pulver/røg/gas/tåge/damp/spray.</p> <p>DE Einatmen von Staub/Rauch/Gas/Nebel/Dampf/Aerosol vermeiden.</p> <p>ET Vältida tolmu/suitsu/gaasi/udu/auru/pihustatud aine sissehingamist.</p> <p>EL Αποφεύγετε να αναπνέετε σκόνη/αναθυμιάσεις/αέρια/σταγονίδια/ατμούς/εκνεφώματα.</p> <p>EN Avoid breathing dust/fume/gas/mist/vapours/spray.</p> <p>FR Éviter de respirer les poussières/fumées/gaz/brouillards/vapeurs/aérosols.</p> <p>GA Seachain deannach/múch/gás/ceo/gala/sprae a anáil.</p> <p>IT Evitare di respirare la polvere/i fumi/i gas/la nebbia/i vapori/gli aerosol.</p> <p>LV Izvairīties ielpot putekļus/tvaikus/gāzi/dūmus/izgarojumus/smidzinājumu.</p> <p>LT Stengtis neįkvėpti dulkių/dūmų/dujų/rūko/garų/aerозolio.</p> <p>HU Kerülje a por/füst/gáz/köd/gőzök/permet belélegzését.</p> <p>MT Evita li tibra' bin-nifs trabijiet/dhaħen/gass/raxx/fwar/sprej.</p> <p>NL Inademming van stof/rook/gas/nevel/damp/spuitnevel vermijden.</p> <p>PL Unikać wdychania pyłu/dymu/gazu/mgły/par/rozpylonej cieczy.</p> <p>PT Evitar respirar as poeiras/fumos/gases/névoas/vapores/aerossóis.</p> <p>RO Evitați să inspirați praful/fumul/gazul/ceata/vaporii/spray-ul.</p> <p>SK Zabráňte vdychovaniu prachu/dymu/plynu/hmly/pár/aerosólov.</p> <p>SL Ne vdihavati prahu/dima/plina/megljce/hlapov/razpršila.</p> <p>FI Vältä pölyn/savun/kaasun/sumun/höyryn/suihkeen hengittämistä.</p> <p>SV Undvik att inandas damm/rök/gaser/dimma/ångor/sprej.</p> <p>P342 + P311 – If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.</p> <p>BG При симптоми на затруднено дишане: Обадете се в ЦЕНТЪР ПО ТОКСИКОЛОГИЯ или на лекар.</p> <p>ES En caso de síntomas respiratorios: Llamar a un CENTRO DE INFORMACIÓN TOXICOLÓGICA o a un médico.</p> <p>CS Při dýchacích potížích: Volejte TOXIKOLOGICKÉ INFORMAČNÍ STŘEDISKO nebo lékaře.</p> <p>DA Ved luftvejssymptomer: Ring til en GIFTINFORMATION eller en læge.</p> <p>DE Bei Symptomen der Atemwege: GIFTINFORMATIONSZENTRUM oder Arzt anrufen.</p> <p>ET Hingamisteede probleemide ilmnemise korral: võtta ühendust MÜRGISTUSTEABEKES- KUSE või arstiga.</p> <p>EL Εάν παρουσιάζονται αναπνευστικά συμπτώματα: Καλέστε το ΚΕΝΤΡΟ ΗΛΗΘΗΡΙΑΣΕΩΝ ή ένα γιατρό.</p> <p>EN If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.</p> <p>FR En cas de symptômes respiratoires: appeler un CENTRE ANTIPOISON ou un médecin.</p> <p>GA I gcás siomptóm riospráide: Cuir glao ar IONAD NIMHE nó ar dhochtúir/lia.</p> <p>IT In caso di sintomi respiratori: contattare un CENTRO ANTIVELENI o un medico.</p> <p>LV Ja rodas elpas trūkuma simptomi: sazinieties ar SAINĒŠANĀS CENTRU vai ārstu.</p> <p>LT Jeigu pasireiškia respiraciniai simptomai: skambinti į APSINUODIJIMŲ KONTROLĖS IR INFORMACIJOS BIURĄ arba kreiptis į gydytoją.</p> <p>HU Légzési problémák esetén: forduljon TOXIKOLÓGIAI KÖZPONTHOZ vagy orvoshoz.</p> <p>MT Jekk ikollok sintomi respiratorji: Ikkuntattja ĊENTRU TA' L-AVVELENAMENT jew tabib.</p> <p>NL Bij ademhalingsymptomen: een ANTIGIFCENTRUM of een arts raadplegen.</p> <p>PL W przypadku wystąpienia objawów ze strony układu oddechowego: Skontaktować się z OŚRODKIEM ZATRUĆ lub z lekarzem.</p> <p>PT Em caso de sintomas respiratórios: contacte um CENTRO DE INFORMAÇÃO ANTIVENENOS ou um médico.</p> <p>RO În caz de simptome respiratorii: sunați la un CENTRU DE INFORMARE TOXICOLOGICĂ sau un medic.</p> <p>SK Pri ťažkostiach s dýchaním: volajte NÁRODNÉ TOXIKOLOGICKÉ INFORMAČNÉ CENTRUM alebo lekára.</p> <p>SL Pri respiratornih simptomih: pokličite CENTER ZA ZASTRUPITVE ali zdravnika.</p> <p>FI Jos ilmenee hengitysoireita: Ota yhteys MYRKYTYSTIETOKESKUKSEEN tai lääkäriin.</p> <p>SV Vid besvär i luftvägarna: Kontakta GIFTINFORMATIONSCENTRAL eller läkare.</p>
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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.