
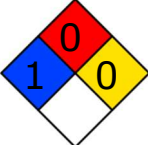


### Section 1. Identification of the Substance/Mixture and the Company

<b>1.1 Product Identifier</b>	Product Name: Alpha-Amylase Solution (1%) Product Number: 1905B	
<b>1.2 Intended use</b>	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.	
<b>1.3 Details of the supplier of the safety data sheet</b>	<b>Manufacturer</b>	Newcomer Supply
	<b>Address</b>	2505 Parview Road Middleton, WI 53562-2579
	<b>Phone Number</b>	800-383-7799
	<b>Fax Number</b>	608-831-0866
	<b>e-mail</b>	<a href="mailto:info@newcomersupply.com">info@newcomersupply.com</a>
	<b>Website</b>	<a href="http://newcomersupply.com">newcomersupply.com</a>

### Section 2. Hazards Identification

<b>2.1 GHS Classification</b>	Acute toxicity, Oral (Category 4) – H302
<b>2.2 Label Elements</b>	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>
<b>NFPA Scale: 0-4</b>	

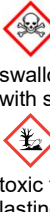

<b>HMIS (U.S.A.) Scale: 0-4</b>	HEALTH	<b>1</b>
	FLAMMABILITY	<b>0</b>
	PHYSICAL HAZARD	<b>0</b>
	PERSONAL PROTECTION	<b>B</b>
<b>2.3 Other Hazards</b>	<b>PBT:</b> This mixture does not contain any substances that are assessed to be a PBT. <b>vPvB:</b> This mixture does not contain any substances that 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.	≤ 1.0

### 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

<b>5.1 Extinguishing Media</b>	Extinguish fire using water spray, carbon dioxide, chemical foam, or dry chemical.
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<b>5.2 Special hazards arising from the substance or mixture</b>	No unusual fire or explosive hazards expected
<b>5.3 Advice for firefighters</b>	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

<b>8.1 Control parameters</b>	<b>Exposure Limits:</b> <b>Sodium Azide</b> ACGIH TLV: 0.29/mg/m <sup>3</sup> ceiling NIOSH REL-C: 0.3mg/m <sup>3</sup> skin
<b>8.2 Exposure controls</b>	<b>Personal Protective Equipment (PPE):</b> <b>Eye/Face protection.</b> Safety glasses or goggles are required. <b>Skin protection.</b> Protective clothing is required. <b>Hand protection.</b> 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. <b>Respiratory protection.</b> Avoid breathing vapor. <b>Environmental exposure controls.</b> Avoid releasing large quantities into the environment. No additional information.
<b>Engineering Controls</b>	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.
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### Section 9. Physical and Chemical Properties

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

### Section 10. Stability and Reactivity

<b>10.1 Reactivity</b>	Sodium Azide may react with lead and copper plumbing to form explosive metal azides.
<b>10.2 Chemical Stability</b>	Stable under normal temperatures and pressures.
<b>10.3 Possibility of Hazardous Reactions</b>	No hazardous reactions known.
<b>10.4 Conditions to Avoid</b>	Fire, static electricity, direct sunlight.
<b>10.5 Incompatible Materials</b>	Strong acids, bases and oxidizers.
<b>10.6 Hazardous Decomposition Materials</b>	None known.

### Section 11. Toxicological Information

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

### Section 12. Ecological Information

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

### Section 13. Disposal Considerations

<b>13.1 Waste Disposal Methods.</b>	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.
<b>Product/Packaging Disposal.</b>	Final decisions on the appropriate waste management method must be in line with local, regional and national regulations.
<b>Other Disposal Recommendations.</b>	No relevant data available.

### Section 14. Transport Information

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

<b>14.5 Environmental Hazards</b>	<b>Marine Pollutant:</b> No
<b>14.6 Special Precautions for User</b>	Not applicable.

### Section 15. Regulatory Information

15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture.	
<b>Extremely Hazardous Substances; Section 355</b>	Sodium Azide is listed.
<b>Toxic Substances Control Act; TSCA</b>	All of the components in this mixture are listed.
<b>California Proposition 65</b>	None of the components in this mixture are listed.
<b>Right To Know Components</b>	<p><b>Sodium Azide</b> Massachusetts Pennsylvania New Jersey</p> <p><b>Sodium Chloride</b> Pennsylvania New Jersey</p> <p><b>Alpha-Amylase</b> Pennsylvania New Jersey</p>
<b>Other Regulations</b>	<p><b>Sodium Azide</b> SARA 302 SARA 313</p>
<b>15.2 Chemical Safety Assessment</b>	No Chemical Safety Assessment has been carried out for this substance/mixture by Newcomer Supply.
<b>Hazard Statements</b>	<p><b>H302 – Harmful if swallowed</b> BG Вреден при поглъщане. ES Nocivo en caso de ingestión. CS Zdraví škodlivý při požití. DA Farlig ved indtagelse. DE Gesundheitsschädlich bei Verschlucken. ET Allaneelamisel kahjulik. EL Επιβλαβές σε περίπτωση κατάποσης. EN Harmful if swallowed. FR Nocif en cas d'ingestion. GA Díobhálach 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.</p>
<b>Precautionary statements.</b>	<p><b>P261 – Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.</b> BG Избягвайте вдишване на прах/пушек/газ/дим/изпарения/аерозоли ES Evitar respirar el polvo/el humo/el gas/la niebla/los vapores/el aerosol. CS Zamezte vdechování prachu/dýmu/plynu/mlhy/par/aerosolů. DA Undgå indånding af pulver/røg/gas/tåge/damp/spray. DE Einatmen von Staub/Rauch/Gas/Nebel/Dampf/Aerosol vermeiden. ET Vältida tolmu/suitsu/gaasi/udu/auru/pihustatud aine sissehingamist. EL Αποφύγετε να αναπνεύσετε σκόνη/αναθυμιάσεις/αέρια/σταγονίδια/ατμούς/εκνεφώματα.</p>

EN Avoid breathing dust/fume/gas/mist/vapours/spray.  
 FR Éviter de respirer les poussières/fumées/gaz/brouillards/vapeurs/aérosols.  
 GA Seachain deannach/múch/gás/ceo/gala/sprae a anáil.  
 IT Evitare di respirare la polvere/i fumi/i gas/la nebbia/i vapori/gli aerosol.  
 LV Izvairīties ieelpot puteļus/tvaikus/gāzi/dūmus/izgarojumus/smīdzinājumu.  
 LT Stengtis neįkvėpti dulkių/dūmų/dujų/rūko/garų/aerozolio.  
 HU Kerülje a por/füst/gáz/köd/gőzök/permet belélegzését.  
 MT Evita li tibra' bin-nifs trabijiet/dħaħen/gass/raxx/fwar/sprej.  
 NL Inademing van stof/rook/gas/nevel/damp/spuitnevel vermijden.  
 PL Unikać wdychania pyłu/dymu/gazu/mgły/par/rozpylonej cieczy.  
 PT Evitar respirar as poeiras/fumos/gases/névoas/vapores/aerossóis.  
 RO Evitați să inspirați praful/fumul/gazul/ceata/vaporii/spray-ul.  
 SK Zabráňte vdychovaniu prachu/dymu/plynu/hmly/pár/aerosólov.  
 SL Ne vdihavati prahu/dima/plina/meglīce/hlapov/razpršila.  
 FI Vältä pölyn/savun/kaasun/sumun/höyryn/suihkeen hengittämistä.  
 SV Undvik att inandas damm/rök/gaser/dimma/ångor/sprej.

**P342 + P311 – If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.**

BG При симптоми на затруднено дишане: Обадете се в ЦЕНТЪР ПО ТОКСИКОЛОГИЯ или на лекар.  
 ES En caso de síntomas respiratorios: Llamar a un CENTRO DE INFORMACIÓN TOXICOLÓGICA o a un médico.  
 CS Při dýchacích potížích: Volejte TOXIKOLOGICKÉ INFORMAČNÍ STŘEDISKO nebo lékaře.  
 DA Ved luftvejssymptomer: Ring til en GIFTINFORMATION eller en læge.  
 DE Bei Symptomen der Atemwege: GIFTINFORMATIONSZENTRUM oder Arzt anrufen.  
 ET Hingamisteede probleemide ilmnemise korral: võtta ühendust MÜRGIKUSTEABEKES- KUSE või arstiga.  
 EL Εάν παρουσιάζονται αναπνευστικά συμπτώματα: Καλέστε το ΚΕΝΤΡΟ ΗΛΗΘΗΡΙΑΣΕΩΝ ή ένα γιατρό.  
 EN If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.  
 FR En cas de symptômes respiratoires: appeler un CENTRE ANTIPOISON ou un médecin.  
 GA I gcás siomptóm riospráide: Cuir glao ar IONAD NIMHE nó ar dhochtúir/lia.  
 IT In caso di sintomi respiratori: contattare un CENTRO ANTIVELENI o un medico.  
 LV Ja rodas elpas trūkuma simptomi: sazinieties ar SAINDEŠANĀS CENTRU vai ārstu.  
 LT Jeigu pasireiškia respiraciniai simptomai: skambinti į APSINUODIJIMŲ KONTROLĖS IR INFORMACIJOS BIURĄ arba kreiptis į gydytoją.  
 HU Légzési problémák esetén: forduljon TOXIKOLÓGIAI KÖZPONTHOZ vagy orvoshoz.  
 MT Jekk ikollok sintomi respiratorji: Ikkuntattja ĊENTRU TA' L-AVVELENAMENT jew tabib.  
 NL Bij ademhalings symptomen: een ANTIGIFCENTRUM of een arts raadplegen.  
 PL W przypadku wystąpienia objawów ze strony układu oddechowego: Skontaktować się z OŚRODKIEM ZATRUĆ lub z lekarzem.  
 PT Em caso de sintomas respiratórios: contacte um CENTRO DE INFORMAÇÃO ANTIVENENOS ou um médico.  
 RO În caz de simptome respiratorii: sunați la un CENTRU DE INFORMARE TOXICOLOGICĂ sau un medic.  
 SK Pri ťažkostiach s dýchaním: volajte NÁRODNÉ TOXIKOLOGICKÉ INFORMAČNÉ CENTRUM alebo lekára.  
 SL Pri respiratornih simptomih: pokličite CENTER ZA ZASTRUPITVE ali zdravnika.  
 FI Jos ilmenee hengitysoireita: Ota yhteys MYRKYTYSTIETOKESKUKKSEEN tai lääkäriin.  
 SV Vid besvär i luftvägarna: Kontakta GIFTINFORMATIONSCENTRAL eller läkare.

### 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. Newcomer Supply shall not be held liable for any damage resulting from handling or from contact with the above product.