
Section 1 – Product and Company Information

Product Name: ADAPT-3D Tissue Clearing Kit

Product Form: Mixture - This combined safety data sheet provides information Product Code(A630):

Company: Leinco Technologies, Inc
410 Axminister Drive
St. Louis, MO 63026 USA
Phone: 636-230-9477
Fax: 636-527-5545

Emergency Telephone: 636-230-9477
800-538-1145

Recommended Use: For In Vitro Diagnostic Use only

This is a summary SDS for a kit. For the full SDS for each of the components listed in section 16 please visit our website.

Section 2 – Hazardous Identification

2.1 Classification of the substance or mixture

Flammable Liquids (H225)	: Category 2	Danger
Combustible Liquids (H227)	: Category 4	Warning
Acute toxicity,dermal (H311 + H331)	: Category 3	Danger
Acute toxicity,inhalation (H311 + H331)	: Category 3	Danger
Serious eye damage/eye irritation (H318)	: Category 1	Danger
Specific target organ toxicity, repeated exposure (H373)	: Category 2 (brain)	Warning
Carcinogenicity (H351)	: Category 2	Warning
Very toxic to aquatic life with long lasting effects (H410)	: Category 1	Warning

2.2 GHS Label elements, including precautionary statements



Signal Word: Danger

Code	Hazard Statement	Code	Precautionary Statement
H227	Combustible liquids	P210	Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking.
H300 + H310 + H330	Fatal if swallowed, in contact with skin or if inhaled.	P260	Do not breathe dust.
H311 + H331	Toxic in contact with skin or if inhaled.	P262	Do not get in eyes, on skin, or on clothing.
H318	Causes serious eye damage	P271	Use only outdoors or in a well-ventilated area.
H225	Highly Flammable liquid and vapour	P273	Avoid release to the environment.
H227	Combustible liquid	P280	Wear protective gloves/protective clothing/eye protection/face protection.
H335	May cause respiratory irritation	P284	Wear respiratory protection.
H336	May cause drowsiness or dizziness	P314	Get medical advice/ attention if you feel unwell.
H373	May cause damage to organs (Brain) through prolonged or repeated exposure if swallowed.	P301 + P310 + P330	IF SWALLOWED: Immediately call a POISON CENTER/ doctor. Rinse mouth.
H351	Suspected of causing cancer	P301 + P312 + P330	IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Rinse mouth.
H410	Very toxic to aquatic life with long lasting effects.	P304 + P340 + P310	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor.
		P333 + P313	If skin irritation or rash occurs: Get medical advice/ attention.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

Stench.
Contact with acids liberates very toxic gas.
Rapidly absorbed through skin.

Section 3 – Composition/ Information on Ingredients

CAS No/Description: Refer to component SDS
Chemical Formula: Not applicable to mixtures. Trade secret formulation.

Section 4 – First Aid Measures

General: If exposed or concerned, get medical attention/advice. Show this safety data sheet to the attending doctor.

	Sodium Azide	All Other Components
If inhaled:	After inhalation: fresh air. Immediately call in physician. If breathing stops: immediately apply artificial respiration, if necessary also oxygen.	After inhalation: fresh air. Immediately call in physician. If breathing stops: immediately apply artificial respiration, if necessary also oxygen.
In case of skin contact:	In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower. Call a physician immediately.	In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower. Consult a physician.
In case of eye contact:	After eye contact: rinse out with plenty of water. Call in ophthalmologist. Remove contact lenses.	After eye contact: rinse out with plenty of water. Immediately call in ophthalmologist. Remove contact lenses.
If swallowed:	If swallowed: give water to drink (two glasses at most). Seek medical advice immediately. In exceptional cases only, if medical care is not available within one hour, induce vomiting (only in persons who are wide awake and fully conscious), administer activated charcoal (20 - 40 g in a 10% slurry) and consult a doctor as quickly as possible.	After swallowing: immediately make victim drink water (two glasses at most). Consult a physician.
Most important symptoms and effects, both acute and delayed:	The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11	The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.
Indication of any immediate medical attention and special treatment needed:	No data available	No data available

Section 5 – Fire Fighting Measures

Refer to component SDS

Section 6 – Accidental Release Measures

Refer to component SDS

Section 7 – Handling and Storage

Advice on Safe Handling: Work under hood. Do not inhale substance/mixture. Avoid generation of vapours/aerosols. For precautions see section 2.2.

Advice on protection against fire and explosion: Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharge.

Hygiene measures: Do not breathe vapor or mist. Avoid contact with skin and eyes. Avoid prolonged or repeated exposure. Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with substance.

Storage conditions: Keep container tightly closed in a dry and well-ventilated place. Keep away from heat and sources of ignition. Test for peroxide formation periodically and before distillation.

Do not store near acids.

No metal containers. Close containers in such a way to enable internal pressure to escape (e.g. excess pressure valve). Tightly closed. Protected from light. Do not store near combustible materials.

Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Hygroscopic. Store under inert gas

Storage class

Storage class (TRGS 510): 3: Flammable liquids

Storage class (TRGS 510): 5.1B: Oxidizing hazardous materials

Storage class (TRGS 510): 10: Combustible liquids

Storage class (TRGS 510): 11: Combustible Solids

Storage class (TRGS 510): 12: Non Combustible Liquids

Storage class 6.1A, Combustible, acute toxic Cat. 1 and 2 / very toxic hazardous materials

Storage class (TRGS 510): 6.1C: Combustible, acute toxic Cat.3 / toxic compounds or compounds which causing chronic effects

Specific End Uses: Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

Section 8 – Exposure Controls/Personal Protection

Refer to component SDS

Section 9 – Physical/Chemical Properties

Refer to component SDS

Section 10 – Stability and Reactivity

Refer to component SDS

Section 11 – Toxicological Information

Refer to component SDS

Section 12 – Ecological Information

Refer to component SDS

Section 13-Disposal Conditions

Waste treatment methods - all components	Waste material must be disposed of in accordance with the national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself.
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Section 14-Transport Information

IATA-DGR

UN No.	: UN3316
Proper Shipping Name	: Chemical Kit
Class	: 9
Packing Group	: II
Labels	: Class 9 - Miscellaneous dangerous substances and articles
Packing Instruction (cargo aircraft)	: 960
Packing Instruction (passenger aircraft)	: 960

IMDG-Code

UN Number	:3316
Proper Shipping Name	: Chemical Kit
Class	: 9
Packing Group	: II
Labels	: 9
EmS Code	: F-A, S-P
Marine Pollutant	: Yes

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable for product as supplied.

National Regulation

49 CFR Road

UN/ID/NA Number	: UN 3316
Proper Shipping Name	: Chemical Kit

Class : 9
Packing Group : II
Labels : Class 9 - Miscellaneous dangerous substances and articles
ERG Code :171
Marine Pollutant : Yes
Poison Inhalation Hazard : Yes

Special precautions for user The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

Section 15-Regulatory Information

SARA 311/312 Hazards

- Fire Hazard, Acute Health Hazard, Chronic Health Hazard.

US State Regulations

California Prop. 65

- **Tetrahydrofuran:** WARNING: This product can expose you to chemicals including Tetrahydrofuran, which is/are known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

TSCA Inventory

- All substances listed as active on the TSCA inventory.
- No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

Section 16-Other Information

Kit Components:

Item	CAS No:
1,2-hexanediol	6920-22-5
1-thioglycerol	96-27-5
Alpaca Serum	NA
BSA	9048-46-8

CHAPS ((3-cholamidopropyl)dimethylammonio)-1-prop anesulfonate)	75621-03-3
D-Sucrose	57-50-1
DMSO	67-68-5
Donkey Serum	NA
Glycine	56-40-6
Heparin	9005-49-6
Hydrogen peroxide	7722-84-1
Iodixanol	92339-11-2
Iohexol	66108-95-0
N-butyldiethanolamine	102-79-4
N-methyldiethanolamine	105-59-9
n-propyl gallate	121-79-9
Sodium Azide	26628-22-8
TBS	NA
Tetrahydrofuran	109-99-9
Triton-X100	9036-19-5
Tween-20	9005-64-5
Urea	57-13-6
Water	7732-18-5

Indication of changes:
Created:

New SDS
September 2025

Disclaimer: For Research Use Only. Not for drug, household, therapeutic, diagnostic or other uses.

Warranty: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Leinco Technologies Inc. shall not be held liable for any damage resulting from handling or from contact with the above product. Copyright 2012 Leinco Technologies, Inc. License granted to make unlimited paper copies for internal use only.