

MATERIAL SAFETY DATA SHEET

SECTION I - PRODUCT IDENTIFICATION AND COMPANY

Product Name: Quick Lyse
Synonyms: Lysing reagent
NIOSH/RTECS Number: None
CAS No.: None

Product Number(s): R-5418
Manufacturer: Drew Scientific Limited.
353 Christian Street
Oxford CT 06478

SECTION II - INGREDIENTS

<u>Component</u>	<u>Concentration</u>	<u>CAS Number</u>
Quaternary ammonium salt	0.1 - 10%	*
Potassium cyanide	0.1 - 1%	*

*The identities of these components have been withheld as a trade secret. All hazard and property information is included in this MSDS.

SECTION III - HAZARDS IDENTIFICATION

CDS Safety Information:

	<u>Code</u>
[2] Health	0 = None
[0] Flammability	1 = Slight
[0] Reactivity	2 = Caution
[2] Contact	3 = Severe

Physical Hazards: None
Potential Health Effects: Contact irritant for eyes and mucous membranes
Product Hazard Classification: OSHA - Hazardous
EU - Not applicable
WHMIS - Exempt

SECTION IV - FIRST AID MEASURES

Eye Contact: Flush eyes thoroughly with water. If irritation occurs, seek medical attention.

Ingestion: Wash contact surfaces with water. Contact doctor immediately for attention if swallowed.

Inhalation: Move exposed individual to fresh air. If individual is not breathing, begin artificial respiration immediately. Seek medical attention immediately.

Skin Contact: Wash affected area with water for at least 15 minutes.

SECTION V - FIRE AND EXPLOSION HAZARD DATA

Flashpoint:	Not applicable
Flammable Limits:	Not applicable
Autoignition Temperature:	Not applicable
Fire Extinguishing Media:	Any. Does not support combustion.
Special Fire and Explosion Hazards:	None
Hazardous Combustion Products:	None
Firefighter Protective Equipment:	Self-contained breathing apparatus.

SECTION VI – ACCIDENTAL RELEASE MEASURES

Personal Precautions:	No special precautions required. Use good laboratory practice.
Spills and Leaks:	Dispose through a sanitary sewer, or use absorbent material and dispose as non-hazardous solid waste. Disposal must comply with Federal, State and Local requirements.
Environmental Precautions:	Contain spill to prevent contamination of surrounding areas.

SECTION VII - HANDLING AND STORAGE PRECAUTIONS

Handling Precautions:	Avoid eye and mucous membrane contact. Use good laboratory practice.
Storage Conditions:	Store at 2 to 30°C (30 to 86°F).

SECTION VIII – EXPOSURE CONTROL AND PERSONAL PROTECTION

Exposure Limits:	OSHA – None established
Engineering Controls:	Use in well ventilated areas.
Respiratory Protection:	Under normal use conditions, no respiratory protection is required.
Eye Protection:	Safety glasses, goggles or face shield recommended.
Skin Protection:	Latex or equivalent gloves recommended.

SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	N/A	Vapour Pressure (mm Hg):	N/A
Melting Point:	N/A	Vapour Density (Air = 1):	N/A
Specific Gravity:	1.05 (Water = 1)	Evaporation Rate (butyl acetate = 1):	N/A
Solubility (water):	Soluble		
Appearance and Colour:	Clear to pale straw liquid with pungent sharp smell.		

SECTION X - REACTIVITY DATA

Stability:	Stable at normal temperatures and pressures.
Conditions to Avoid:	Avoid freezing. Keep away from incompatible materials.
Hazardous Incompatibility:	Strong acids, strong oxidizers
Decomposition Products:	Hydrogen Cyanide

SECTION XI – TOXICOLOGICAL INFORMATION

Toxicity of Hazardous Ingredients:	There is no data available on the preparation itself. The product contains no known carcinogens, mutagens or teratogens or substances known to cause long term health effects.
Carcinogenicity:	Contains no ingredients listed as potential carcinogens by ACGIH, IARC, NTP or OSHA.
Other Effects:	None known.

SECTION XII – ECOLOGICAL INFORMATION

Ecotoxicity:	Toxic to fish and other water-borne organisms.
Biodegradability:	No information available.
Mobility:	No information available.

SECTION XIII – WASTE DISPOSAL

Waste Disposal:	Waste disposal must comply with Federal, State and Local requirements. Contact local authorities for information.
------------------------	---

SECTION XIV – TRANSPORT INFORMATION

Transport Regulations:	Transportation of this product not regulated according to the definition of hazardous in 49CFR (US DOT). Transportation of this product is also not regulated by IATA, ICAO, Canadian TDG or European ADR.
-------------------------------	---

SECTION XV – REGULATORY INFORMATION

US Regulatory Information:	
California Proposition 65:	No compounds listed.
Massachusetts MSL:	Potassium cyanide is listed.
New Jersey Dept. of Health RTK:	Potassium cyanide is listed.
Pennsylvania RTK:	Potassium cyanide is listed.

SECTION XV – REGULATORY INFORMATION (Continued)

Canada:	Product is exempt from WHMIS and MSDS requirements.
Ingredients on Disclosure List:	None
Ingredients with Unknown Toxicological Properties:	Exempt product
EU:	No dangerous ingredients listed.

SECTION XVI – OTHER INFORMATION

Drew Scientific Limited believes the information contained herein to be valid and accurate. No warranties or representations are made or implied as to its validity, accuracy or currency. Drew Scientific Limited shall not be liable or otherwise responsible in any way for the use of this information. Disposal of hazardous materials may be subject to local laws or regulation.