



SAFETY DATA SHEET
2-METHYL-1-PYRROLINE

Revision: 22/12/2013

Page 1/2

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Company Identification:	Georganics Ltd. Koreničova 1 811 03 Bratislava Slovak Republic	Phone Number: +421 33 6403132 Fax Number: +421 33 6403133 E-mail address: georganics@georganics.sk
Emergency Number, Slovakia:	National Toxicological Information Centre Tel: 00421-2-54774166 Mobil: +421 911 166 066	

SECTION 2 - HAZARDS IDENTIFICATION

GHS pictogram 	H225 - Highly flammable liquid and vapor. H315 - Causes skin irritation H319 - Causes serious eye irritation H335 - May cause respiratory irritation
Signal word: Danger	P210 - Keep away from heat/sparks/open flames/hot surfaces. – NO SMOKING P261 - Avoid breathing dust/fume/gas/mist/vapors/spray P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

SECTION 3 - COMPOSITION, INFORMATION ON INGREDIENTS

CAS#	Chemical Name	Assay (%)	EINECS#
872-32-2	2-Methyl-1-pyrroline	98%	212-822-9

SECTION 4 - FIRST AID MEASURES

Eyes:	Rinse opened eye for at least 15 minutes under running water. Get medical aid.
Skin:	Instantly wash with water and soap and rinse thoroughly. Get medical aid.
Ingestion:	Wash mouth out with water.
Inhalation:	Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. If required, provide artificial respiration.

SECTION 5 - FIRE FIGHTING MEASURES

Suitable extinguishing agents	For small (incipient) fires, use media such as "alcohol" foam, dry chemical, or carbon dioxide. For large fires, apply water from as far as possible. Use very large quantities (flooding) of water applied as a mist or spray; solid streams of water may be ineffective. Cool all affected containers with flooding quantities of water.
Protective equipment:	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin/eyes.
Unusual fire and explosions hazards:	During a fire, irritating and toxic gases may be generated by thermal decomposition or combustion.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Person-related safety precautions:	Wear protective equipment as indicated in section 8. Ensure adequate ventilation. Avoid dust formation. Wash spill site after material pickup is complete.
Environmental precautions	Should not be released into the environment.
Additional information:	See Section 7 for information on safe handling. See section 8 for information on personal protection equipment. See Section 13 for information on disposal.

SECTION 7 - HANDLING AND STORAGE

Handling:	Wash thoroughly after handling. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.
Storage:	Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Light sensitive. See Section 10 for stability and reactivity information.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls:	Use process enclosure, local exhaust ventilation, or other engineering controls to control airborne levels. Safety shower and eye bath.
Personal Protective Equipment	
Eyes:	Wear chemical safety glasses.
Skin:	Wear appropriate protective gloves and clothing to prevent skin exposure.
Clothing:	Wear appropriate protective work clothing.
Respirators:	Use breathing protection with high concentrations.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid	Specific Gravity/Density:	Not available
Color:	Clear colourless to yellow	Refractive Index:	Not available
Boiling Point:	104-105 °C	Molecular Formula:	C5H9N
Freezing/Melting Point:	Not available	Molecular Weight:	83,13
Flash Point:	110 °C		

SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability:	Stable under recommended temperatures and pressures.
Incompatible Materials:	Strong oxidizing agents
Conditions to avoid:	Incompatible materials, Heat, flames and sparks. Extremes of temperature and direct sunlight.
Hazardous Decomposition Products:	Carbon oxides, nitrogen oxides

SECTION 11 - TOXICOLOGICAL INFORMATION

Carcinogenicity:	There are no known carcinogenic chemicals in this product. No classification data on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH.
Potential Health Effects:	Inhalation may cause respiratory irritation. May be harmful if inhaled, swallowed or absorbed through skin.
Other:	The toxicological properties have not been fully investigated.

SECTION 12 - ECOLOGICAL INFORMATION

Do not let product enter drains.

SECTION 13 - DISPOSAL CONSIDERATIONS

Dispose of in a manner consistent with federal, state, and local regulations.

SECTION 14 - TRANSPORT INFORMATION

	IATA	IMDG/IMO	RID/ADR
Shipping Name:	FLAMMABLE LIQUID, N.O.S.	FLAMMABLE LIQUID, N.O.S.	FLAMMABLE LIQUID, N.O.S.
Hazard Class:	3	3	3
UN Number:	1993	1993	1993
Packing Group:	II	II	II

SECTION 15 - REGULATORY INFORMATION**European/International Regulations**

European Labeling in Accordance with EC Directives

Hazard Symbols: F - Highly flammable

Risk Phrases: Xi - Irritant

R11 - Highly flammable

R36/37/38 - Irritating to eyes, respiratory system and skin

Safety Phrases: S16 - Keep away from sources of ignition – No smoking.

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S33 - Take precautionary measures against static discharges.

Canadian DSL/NDSL CAS# 872-32-2 is not listed on Canada's DSL or NDSL List.

US Federal TSCA CAS# 872-32-2 is not listed on the TSCA Inventory.

SECTION 16 - OTHER INFORMATION**WARRANTY**

The information contained in the SDS are compiled according to the present knowledge of the manufacturer. It does not represent any guarantee of the properties of the product. SDS shall be used only as a guide. Georganics Ltd. is not liable for damages incurred in the handling or contact with chemicals.