

SAFETY DATA SHEET

REVISED: 12.10.2018

===== SECTION 1 - IDENTIFICATION =====

MANUFACTURER:	Diamapro Systems, Inc.	EMERGENCY PHONE:	1-800-424-9300
ADDRESS :	325 West Front Street	INFORMATION PHONE:	1-800-622-2048
	Erie, PA 16507	NAME OF PREPARER:	Safety Director

PRODUCT NAME: Diamapro Diamapro Guard LG**PRODUCT CODE: DPGLG**

===== SECTION 2 - HAZARDS IDENTIFICATION =====

Classification of the substance or mixture

Liq. 4 H227 Combustible

Label elements**GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS) **Hazard pictograms:** Not regulated **Signal word:** Warning

HAZARD STATEMENTS:**H227 Combustible liquid****PRECAUTIONARY STATEMENTS:****PREVENTION:**

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P280 Wear protective impervious gloves/ OSHA approved eye protection/face protection.
P370+P378 In case of fire; Use for extinction: CO2, powder or water spray
P430+P235 Store in a well-ventilated place, Keep cool
P501 Dispose of contents / container in accordance with local / regional / national / international / regulations

Other Hazards: There are no other hazards not otherwise classified that have been identified.**Components**

Component 1	Trade Secret Flam. Liq. 4, H227
Component 2	Trade Secret Flam. Liq. 2, H225
Component 3	Trade Secret Skin Irrt. 2, H315; Eye Irrt. 2A, H319
Component 4	Trade Secret Flam. Liq. 2, H225 Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331 STOT SE 1, H370

===== SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS =====

Chemical Characterizations: Mixtures**Additional Information:** For the wording of the listed Hazard Statements refer to Section 16

===== SECTION 4 - FIRST AID MEASURES =====

After inhalation:

Supply fresh air, consult doctor in case of complaints

After skin contact:

Immediately wash with water and soap and rinse thoroughly

Seek medical treatment in case of complaints

After eye contact:

Immediately remove contact lenses if possible

Flush with large amounts of water for 15 minutes, lifting upper and lower eyelids.

If irritation persists, seek medical attention.

INGESTION:

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; immediately seek medical attention.

Most important symptoms and effects, both acute and delayed:

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Nausea in case of ingestion

Gastric or intestinal disorders when ingested

Indication of any immediate medical attention and special treatment needed:

Treat symptomatically

===== SECTION 5 - FIRE AND EXPLOSION HAZARD DATA =====

Extinguishing Media

Suitable extinguishing agents:

CO₂, extinguishing powder or water spray, Fight larger fires with water spray

For safety reasons unsuitable extinguishing agents: Water stream

Special hazards arising from the substance or mixture

Formation of toxic gasses is possible during heating or in case of fire.

Advice for firefighters

Protective equipment:

Wear self-contained respiratory protective device

Wear fully protective suit.

Additional Information:

Cool endangered product with water spray

===== SECTION 6 - ACCIDENTAL RELEASE MEASURES =====

Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

Keep away from ignition sources

Environmental precautions

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system

Methods and material for containment and clean up

Absorb with non-combustible liquid-binding material (sand, diatomite, acid binders, universal binders)

Send for recovery or disposal in suitable receptacles

Reference to other sections

See Section 7 for information on safe handling

See Section 8 for information on personal equipment

See Section 13 for disposal information

===== SECTION 7 - HANDLING AND STORAGE =====

HANDLING INFORMATION:

Precautions for safe handling:

Open and handle receptacle with care

Use only in well ventilated areas

Keep out of the reach of children

Information about protection against explosions and fires:

Flammable liquid and vapor

Flammable gas-air mixtures may be formed in empty containers/receptacles

Conditions for safe storage, including any incompatibilities

Storage

Requirements to be met by storerooms and receptacles

Store in cool, dry conditions in well-sealed receptacles

Avoid storage near extreme heat, ignition sources or open flame

Information about storage in one common storage facility:

Store away from foodstuffs

Store away from oxidizing agents

Specific end use(s):

No relevant information available

===== SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION =====

Control Parameters

Components with limit values that require monitoring at the workplace:

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Component 4

PEL (USA)	Long-term value: 260 mg/m ³ , 200 ppm
REL (USA)	Short-term value: 325 mg/m ³ , 250 ppm Long-term value: 260 mg/m ³ , 200 ppm Skin
TLV (USA)	Short-term value: 328 mg/m ³ , 250 ppm Long-term value: 262 mg/m ³ , 200 ppm Skin: BEI
EL (Canada)	Short-term value: 250 ppm Long-term value: 200 ppm Skin
EV (Canada)	Short-term value: 325 mg ³ , 250 ppm Long-term Value: 260 mg/m ³ , 200 ppm Skin
LMPE (Mexico)	Short-term value: 250 ppm Long-term value: 200 ppm PIEL, IBE

Ingredients with biological limit value:

Component 4

BEI (USA)	15 mg/L Medium: Urine Time: End of shift Parameter: Methanol (background, nonspecific)
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Personal Protection Equipment:

General protective and hygienic measures:

The usual precautionary measures for handling chemicals should be followed.

Keep away from foodstuffs, beverages and feed.

Avoid contact with the eyes and skin

Wash hands before breaks and at the end of work

Engineering controls: No relevant information available

Breathing Equipment:

Not required under normal conditions of use

Use suitable respiratory protection may be advisable

For spills, respiratory protection may be advisable

PROTECTIVE GLOVES:

Prevent prolonged or repeated contact by wearing chemical resistant gloves and other appropriate protective clothing.

Wear protective gloves to handle contents of damaged or leaking units.

The glove material must be impermeable and resistant to the product / the substance / the preparation

Launder contaminated clothing before reuse.

EYE PROTECTION:

Wear safety glasses to reduce eye contact potential. Chemical safety goggles (ANSI Z87.1 or approved equivalent) are appropriate if splashing is likely. Eye washes must be available where eye contact can occur.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

A source of clean water should be available for flushing eyes and skin. Showers should be available if larger spills are possible.

Protective work clothing

Limitation and supervision of exposure into the environment

No relevant information available

Risk management measures

No relevant information available

===== SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES =====

Information on basic physical and chemical properties

Appearance

Form	Liquid
Color	Clear
Odor	Slight
Odor Threshold	Not determined
pH value	Not Determined
Melting point/Melting range	Not Determined
Boiling point/Boiling range	Not Determined
Flash point	~82° C (~179.6°F)
Flammability (solid, Gas)	Not applicable
Auto-Ignition temperature	Not Determined
Decomposition temperature	Not Determined

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Danger of explosion	Product is not explosive. However, formation of explosion air/vapor mixtures are possible
Explosion limits	
Lower	Not Determined
Upper	Not Determined
Oxidizing properties	Non-oxidizing
Vapor pressure	Not Determined
Density	
Relative density	Not Determined
Vapor density	Not Determined
Evaporation rate	Not Determined
Solubility in / Miscibility with Water	Fully miscible
Partition coefficient (n-octanol/water)	Not Determined
Viscosity	
Dynamic	Not Determined
Kinematic	Not Determined
Other information	No relevant information available

===== SECTION 10 - STABILITY AND REACTIVITY DATA =====

Reactivity: No relevant information available

Thermal decomposition / conditions to be avoided:

No decomposition if used and stored according to specifications

Avoid open flame, ignition sources, contact with incompatible substances

Possibility of hazardous reactions

Combustible liquid

Flammable

Reacts with oxidizing agents

Conditions to avoid

Excessive heat

Incompatible materials

Oxidizers

Hazardous decomposition products

Carbon monoxide and carbon dioxide

===== SECTION 11 - TOXICOLOGICAL INFORMATION =====

Information on toxicological effects

Acute toxicity

LD/LC50 values that are relevant for classification:

None

Primary irritant effect:

On the skin:

Based on available data, the classification criteria are not met

On the eyes:

Based on available data, the classification criteria are not met

Sensitization:

Based on available data, the classification criteria are not met

IARC (International Agency for Research on Cancer):

None of the ingredients listed

NTP (National Toxicology Program):

None of the ingredients listed

OSHA-Ca (Occupational Safety & Health Administration):

None of the ingredients are listed

Probable route(s) of exposure:

Ingestion

Inhalation

Eye contact

Skin contact

Germ cell mutagenicity:

Based on available data, the classification criteria are not met

Carcinogenicity:

Based on available data, the classification criteria are not met

Reproductive toxicity:

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Based on available data, the classification criteria are not met

STOT - single exposure:

Based on available data, the classification criteria are not met

STOT – repeated exposure:

Based on available data, the classification criteria are not met

Aspiration hazard:

Based on available data, the classification criteria are not met

===== SECTION 12 - ECOLOGICAL INFORMATION =====

Toxicity

Aquatic toxicity

No relevant information available

Persistence and degradability;

No relevant information available

Bioaccumulative potential:

No relevant information available

Mobility in soil:

No relevant information available

Additional ecological information

General notes:

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system

Results of PBT and vPvB assessment

PBT:

Not applicable

vpvB:

Not applicable

Other adverse effects:

No relevant information available

===== SECTION 13 - DISPOSAL CONSIDERATIONS =====

Waste treatment methods

Recommendations:

The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relative local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.

Uncleaned packaging's

Recommendation:

Disposal must be made according to official regulations

Recommended cleansing agent:

Water, if necessary, with cleansing agents

===== SECTION 14 - TRANSPORT INFORMATION =====

UN-Number

DOT	NA1993
ADR, IMDG, IATA	Not regulated

UN, proper shipping name

DOT	Combustible liquid, n.o.s. (cyclopentasilozone)
ADR, IMDG	Not regulated

Transportation hazard class(es)

DOT	
Class	3 Combustible liquids
Label	3

ADR, IMDG, IATA

Class	Not regulated
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Packing group

DOT, ADR, IMDG, IATA	III
ADR, IMDG, IATA	Not regulated

Environmental hazards

Marine pollutant:	No
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Special precautions for user	Not applicable
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Transport in bulk according to Annex II of MARPOL73/78 and the IBC code	Not applicable
Transportation / Additional Information	
DOT	Classified as combustible under U DOT regulations. Labeling is only required for single packages ≥ 119 US gal/450L

=====SECTION 15 - REGULATORY INFORMATION =====

Safety, health and environmental regulations / legislation specific for the substance or mixture

United States (USA)

SARA

Section 302 (extremely hazardous substance):

None of the ingredients are listed

Section 355 (extremely hazardous substances):

None of the ingredients are listed

Section 313 (Specific toxic chemical listings):

None of the ingredients are listed

TSCA (Toxic Substance Control Act)

All ingredients listed

Proposition 65 (California)

Chemicals Known to cause cancer

Present in trace quantities

64-17-5 ethanol

Chemicals known to cause reproductive toxicity for females:

None of the ingredients are listed

Chemicals known to cause reproductive toxicity for males:

None of the ingredients are listed

Chemicals known to cause development toxicity:

Component 4 Trade Secret

64-17-5 ethanol

Carcinogenic categories

EPA (Environmental Protection Agency)

None of the ingredients are listed

IARC (International Agency for Research on Cancer):

Present in trace quantities

64-17-5 ethanol

NIOSH-Ca (National Institute for Occupational Safety and Health):

None of the ingredients are listed

Canadian Domestic Substances List (DSL):

All ingredients are listed

=====SECTION 16 - OTHER INFORMATION =====

This information is based on our present knowledge. However, the shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Abbreviations and acronyms

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road
IMDG:	International Maritime Code for Dangerous Goods
DOT:	US Department of Transportation
IATA:	International Air Transport Association
CAS:	Chemical Abstracts Service (division of the American Chemical Society)
LC50:	Lethal Concentration, 50 percent
LD50:	Lethal dose, 50 percent
PBT:	Persistent, Bio-accumulabe, Toxique
vPvB:	very Persistent and very Bio-accumulabe
NIOSH:	National Institute for Occupational Safety and Health
OSHA:	Occupational Safety & Health Administration
Flam. Liq. 3:	Flammable liquids – Category 3
Acute Tox. 4:	Acute toxicity – Category 4
Skin Irrt. 2A:	Skin corrosion / irritation – Category 2A
Eye Irrt. 2A:	Serious eye damage / eye irritation – Category 2A
Skin Sens. 1:	Skin sensitisation – Category 1