

SAFETY DATA SHEET

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 Diam-TLC PIGMENTED
PRODUCT CODE: DPTLCP

SECTION 2 - HAZARDS IDENTIFICATION



GHS Pictograms:

GHS Signal Word: WARNING

This product is alkaline. Avoid contact with eyes and skin. Keep out of reach of children. The product may be harmful if it is inhaled or swallowed.

POTENTIAL HEALTH EFFECTS:

CODE OF HAZARD STATEMENTS:

Physical hazards

None.

Health Hazards

H303-may be harmful if swallowed.

H312-Harmful in contact with skin.

H319-Causes serious eye irritation.

H333-May be harmful if inhaled.

Environmental hazards

None.

CODE OF PRECAUTIONARY STATEMENTS:

General

P101-Keep out of reach of children.

P103-Read label before use.

Prevention statements

P202-Do not handle until all safety precautions have been read and understood.

P262-Do not get in eyes, on skin or on clothing.

P264-Wash thoroughly after handling using this product.

P280-Wear protective gloves/protective clothing/eye protection/face protection.

P284-Wear respiratory protection.

Response statements

P312-Call a POISON CENTER or doctor/physician if you feel unwell.

P331-DO NOT induce vomiting.

P340, Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P352, Wash with plenty of soap and water.

P362, Take off contaminated clothing and wash before reuse.

Storage

P403-Store in well-ventilated place.

P404-Store in a closed container.

ROUTES OF ENTRY: Eye contact, skin adsorption, ingestion and inhalation.

CARCINOGENICITY: None know at this time.

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS #	EINECS No	% by weight	REACH Reg. #
Prop. A	Prop.	Prop.	1-8	No
Prop. B	Prop.	Prop.	1-8	Yes
Prop. C	Prop.	Prop.	5-12	No
Prop. D	Prop.	Prop.	15-25	NA
Lithium silicate	12627-14-4	235-730-0	10-15	Yes
Water	7732-18-5	231-791-2	Balance	No

REACH Registration number is the EINECS # and CAS#: lithium silicate is 235730012627144.

Proprietary A,B,C & D are non-flammable and non-hazardous.

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SECTION 4 - FIRST AID MEASURES

Eye Contact: Flush eyes with water immediately while holding eyelids open. Remove contacts, if worn, after initial flushing and continue flushing for at least 15 minutes. Seek medical attention if irritation persists.
 Skin Contact: Use soap and water to remove from the skin, remove contaminated clothing, clean thoroughly before reuse.
 Inhalation: Move to fresh air. If not breathing, give rescue breathing. If breathing is difficult, give oxygen. Seek medical attention if breathing is still difficult.
 Ingestion: If swallowed, get medical attention immediately. DO NOT INDUCE VOMITING. Never give anything by mouth to an unconscious person.

SECTION 5 - FIRE AND EXPLOSION HAZARD DATA

Flash Point: Not flammable
 Flammability Limits: NE
 Fire Fighting Media: Dry chemical, carbon dioxide, and water spray.
 Special Fire Fighting Procedures: First responders need to wear full-bunker gear with SCBA, never enter a confined space unless fully protected with proper personal protective equipment (PPE). Material is alkaline and may cause the floor to be slippery.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Clean-up Procedures: Material is alkaline wear proper PPE. Stop the source of the release if you are not put at risk. Use absorbent material (such as sand or kitty litter) to absorb the spill, use plastic shovel to pick up absorbent for disposal.
 Spills and Leaks: Dispose in accordance to local, state or federal regulations.

SECTION 7 - HANDLING AND STORAGE

Handling: Do not get into eyes. Do not taste or swallow. Wash thoroughly after handling.
 Storage: Store in original labeled container. Keep in cool and dry areas.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Introductory Remarks: Consider the potential hazards of this product outlined in section 3. Use process exposures such as local exhaust ventilation, to control over exposure to airborne levels above recommended exposure limits. Personal Protection:
 Eyes: Wear safety goggles or safety glasses to prevent eye contact.
 Body: Long sleeve shirts, long pants, socks, rubber boots and chemical resistant gloves.
 Hands: Chemical resistant gloves
 Respiratory: Wear an approved respirator (NIOSH TC-84A rated or EN 14387) that provides protection from this product if the airborne concentrations exceed the recommended exposure limits.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Odor/Color	Paint / color varies	Vapor Pressure	< 2.2 torr @ 68 °F (20 °C)
pH	11-12	Vapor density (air=1)	> 1
VOC	< 50g/L	Solubility	> 95 % in water
Evaporation rate(water=1)	< 1.0	Boiling Point	212 °F (100 °C)

SECTION 10 - STABILITY AND REACTIVITY DATA

Chemical Stability: Considered stable under normal ambient temperatures.
Hazardous Decomposition: If complete combustion, oxides of carbon and silicates are formed.
Hazardous Polymerization: Will not occur.
Incompatibility- Materials to Avoid: May react with strong oxidizing agents and strong acids.

SECTION 11 - TOXICOLOGICAL INFORMATION

Acute Eye Irritation: Irritating.
Acute Skin Irritation: Chronic exposure may be irritating.
Acute Dermal Toxicity: Not expected to be toxic through the skin.
Acute Inhalation Toxicity: Not determined, expected to be an irritant to the respiratory system.
Carcinogenic Effects: None
Existing Medical Conditions Aggravated by Exposure: Exposure to eyes and skin may cause irritation to pre-existing conditions.

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

Ecotoxicity: The toxicity of this product has not been determined.
Environmental Fate: This product should be expected to be readily biodegradable.

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

Waste Disposal Method: What ever cannot be saved for recovery or recycling should be managed by the local, state or Federal Regulations.
Container Handling and Disposal: All containers should be triple rinsed and disposed of according to local, state and Federal regulations.

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

Ground Classification: Not regulated by US DOT
Shipping Name: Coating
Technical Shipping Name: None
UNFIC: None
ID Number: None
Packaging Group: None
Labels: No US DOT Labels
Not regulated by IATA or IMO

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

EPCRA 311/312 Categories: Immediate (Acute) Health Effects: Yes
 Delayed (Chronic) Health Effects: Yes
 Fire Hazard: No
 Sudden Release of Pressure: No
 Reactivity: No

European Community:  irritating (Xi) substances
 Right to know classification: All ingredients are listed in CA, FL, MA, MI, MN, PA and NJ.
 TSCA: All ingredients listed or exempt from listing.
 Reportable Quantity (RQ): None
 Prop. 65: None
 WHMIS: Xi (Irritant to the eyes and skin)
 All ingredients are listed as chemical inventories of ACIS, ECL, EEC, ENCS, EU, Israel, MAC, MAK, MITI, PICCS, SWISS, Taiwan, USA and UK

ABBREVIATIONS:

CAS #	Chemical Abstract Service Number	EINECS	European Inventory of existing Commercial Chemical Sales
°C	Celsius temperature scale	°F	Fahrenheit temperature scale
Prop.	Proprietary	PE	Personal Protective Equipment
TLV	Threshold Limit Value	TWA	Time Weighted Average
STEL	Short-term Exposure Limit	PEL	Permissible Exposure Limit
OSHA	Occupational Safety & Health	NIOSH	National Institute of Safety & Health
NFPA	National Fire Protection Agency	WHMIS	Workplace Hazardous Materials Information System
NTP	National Toxicology Program	IARC	Int. Agency for Research on Cancer
RCRA	Resource Conservation Recovery Act	TSCA	Toxic Substance Control Act
EC50	Effective Dose	LC50	Lethal Inhalation Concentration
LD50	Lethal Dose	CAS	Chemical Abstract Service Number
LEL	Lower explosive limit	UEP	Upper explosive limit
NDA	No Data Available	ND	Not determined
NE	None established	NA	Not Applicable
<	Less Than or Equal To	>	Greater Than or Equal To
CNS	Central Nervous System	CI	China
DSL	Canada	ECL	Korean Existing Chemicals List
EEC	European Economic Commission	ENCS	Japanese Existing and New Chemical List
EU	European Union	MAC	Netherlands
MAK	Germany	MITI	Japan

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PICCS	Philippines	SWISS	Giftliste 1
UK	United Kingdom	USA	United States
VOC	Volatile organic content	ACGIH	American Conference of Government Industrial Hygienists
SARA	Superfund Amendments and Reauthorization Act		
AICS	Australian Inventory of Chemical Substances		
IARC	International Agency for Research on Cancer		
Taiwan	List of Toxic Chemical Substances regulated under Taiwan Toxic Chemical Substances Control Act of 1086		

SECTION 16 - OTHER INFORMATION

Hazardous Material Information (HMIS)

National Fire Protection Association (NFPA)

Health	1	1	Health
Fire	0	0	Fire
Reactivity	0	0	Instability
Personal Protection	C		NA

Health	4 Deadly 3	Extreme Danger 2	Dangerous 1 Slight hazard 0 No hazard
Fire	4 < 73 °C 3	< 100 °C 2 < 200 °C 1	>200 °C 0 Will not burn
Reactivity/Instability	4 – May detonate 3	Explosive 2	Unstable 1 Normally stable 0 Stable

Risk phrases: R36, Irritating to eyes; R37, Irritating to respiratory system; and R38, Irritating to skin.

Safety phrases: S2, Keep out of reach of children; S24, Avoid contact with skin; S25, Avoid contact with eyes; S37, Wear suitable gloves; and S39, Wear eye/face protection.

Prepared By: S. Thome
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The information herein is based on data considered to be accurate. However, no warranty is expressed or implied regarding the accuracy of these data or results. Also this shall not establish a legally valid contractual relationship.

Vendor assumes no responsibility for injury to vendee or third person proximately caused if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, vendor assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk in use of the material.

Our products are intended for sale to industrial and commercial customers. We encourage customers to inspect and test our products before use and to satisfy themselves as to suitability for their specific applications.

Warranty: The manufacturer warrants that products sold comply with specifications as represented and will perform satisfactorily if used according to the directions, or the manufacturer will refund or replace any unused portion thereof, for a period of one year from the date of manufacture. The manufacturer does not make any other warranty, or assume responsibility of any kind, expressed or implied regarding the effect or result of the products use; and assumes no responsibility of injury to vendee or third parties proximately caused by the material if reasonable safety procedures are not adhered to.