

# 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 Diamacolor  
 PRODUCT CODE: DPDC

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

**HAZARD RISK CLASSIFICATION**

**SIGNAL WORD: WARNING**

**PICTOGRAM:**

**GHS02 GHS07**

**HAZARD CLASS**

**FLAM. LIQ**

**ACUTE TOX**

**SKIN CORROSION /**

**IRRITATION**

**SERIOUS EYE DAMAGE /**

**EYE IRRITATION**

**HAZARD CATEGORY**

**CATEGORY 3 H225**

**CATEGORY 4 H302**

**CATEGORY 2 H317**

**CATEGORY 2A H319**

**CATEGORY 2A H319**

**HAZARD STATEMENTS:**

<b>H226</b>	Flammable liquid and vapor
<b>H302</b>	Harmful if swallowed
<b>H315</b>	Causes skin irritation
<b>H317</b>	May cause an allergic skin reaction
<b>H319</b>	Causes serious eye irritation.

**PRECAUTIONARY STATEMENTS:**

**PREVENTION:**

<b>P210</b>	Keep away from heat/sparks/open flames/hot
<b>P233</b>	Keep container tightly closed
<b>P240</b>	Ground/bond container and receiving equipment
<b>P241</b>	Use explosion-proof electrical/ventilating/lighting/equipment
<b>P243</b>	Take precautionary measures against static discharge
<b>P261</b>	Avoid breathing mist, vapors or spray
<b>P264</b>	Wash hands and any exposed area thoroughly after handling.
<b>P270</b>	Do not eat, drink or smoke when using this product
<b>P272</b>	Contaminated work clothing must not be allowed out of the workplace
<b>P280</b>	Wear protective impervious gloves/ OSHA approved eye protection/face protection.

**RESPONSE:**

<b>P301+P312</b>	If swallowed: Call a Poison Center / doctor if you feel unwell.
<b>P303+P361+P353</b>	If on skin (or hair): Take off immediately all contaminated clothing. Remove contact lenses, if present and easy to do. Continue rinsing.
<b>P330</b>	Rinse mouth.
<b>P333+P313</b>	If skin irritation or rash occurs: Get medical advice/attention.
<b>P337+P313</b>	If eye irritation persists: Get medical advice/attention
<b>P363</b>	Wash contaminated clothing before reuse.
<b>P370+P378</b>	In case of fire: Use for extinction: CO2, powder or water spray
<b>P403+P235</b>	Store in well-ventilated place. Keep cool
<b>P501</b>	Dispose of contents/container in accordance with local/regional/national/international regulations

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

**Components**

Trade Secret	Trade Secret
	Acute Tox. 4, H302, SKIN Irrt. 2, H313; Eye Irrt. 2A, H319
Trade Secret	Trade Secret
	Flam. Liq. 3, H226
	Acute Tox. 4, H312, Eye Irrt. 2A, H319
Trade Secret	Trade Secret

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	Eye Irrit. 2A, H319
Trade Secret	Trade Secret
	Skin Sens. 1, H317

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

**EYES:** Flush with large amounts of water for 15 minutes, lifting upper and lower eyelids. If irritation persists seek medical attention.

**SKIN CONTACT:** Wash contaminated area with soap and water. If skin irritation or rash occurs: Get medical advice/attention.

Remove and launder contaminated clothing.

**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:**

Irritant to skin and mucous membranes

Causes eye irritation

Nausea in case of ingestion

Gastric or intestinal disorders when ingested

Allergic reactions

**DANGER:** Harmful if swallowed

**Indication of any immediate medical attention and special treatment needed:**

Contains bis (1,2,2,6,6-pentamethyl-4-piperidyl) sebacate. May produce an allergic reaction. Treat skin and mucous membrane with antihistamine and corticoid preparations.

## ===== 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.

## ===== 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

Avoid contact with eyes and skin

Avoid breathing mist, vapors, or spray

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**

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## Storage

### Requirements to be met by storerooms and receptacles

Store in cool, dry conditions in well-sealed receptacles

### 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:

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.

At this time, the other constituents have no known exposure limits.

#### 2807-30-9-2 (propyloxy) ethanol

EV(Canada)	Long-term value: 110 mg/m <sup>3</sup> , 25 ppm
	Skin

#### 7440-47-3 chromium

PEL (USA)	Long-term value: 1 mg/m <sup>3</sup>
REL (USA)	Long-term value: 0.5* mg/m <sup>3</sup>
	*metal+inorg.comps.as.Cr; See Pocket Guide App.C
TLV (USA)	Long-term value: (0.5) 0.5* mg/m <sup>3</sup>
	*inhalable fraction, Cr(0)
EL (Canada)	Long-term value: 0.5 mg/m <sup>3</sup>
	As metal
EV (Canada)	Long-term Value: 0.05 mg/m <sup>3</sup>
LMPE (Mexico)	Long-term value: 0.5 mg/m <sup>3</sup>
	A4

#### 7440-50-8 Copper

PEL (USA)	Long-term value: 1* 0.1* mg/m <sup>3</sup>
	as CU *dusts and mists **fume
REL (USA)	Long-term value: 1* 0.1* mg/m <sup>3</sup>
	as CU *dusts and mists **fume
TVL (USA)	Long-term value: 1* 0.2* mg/m <sup>3</sup>
	as CU *dusts and mists **fume
EL (Canada)	Long-term value: 1* 0.2* mg/m <sup>3</sup>
	as CU *dusts and mists **fume
EV (Canada)	Long-term value: 0.2* 0.1** mg/m <sup>3</sup>
	As copper *dusts and mists *fume
LMPE (Mexico)	Long-term value: 0.2* 0.1* mg/m <sup>3</sup>
	*humo (como Cu); **polvo y niebla (como Cu)

### 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

Avoid breathing mist, vapors or spray

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

#### PROTECTIVE GLOVES:

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

Laundry 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

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

**Information on basic physical and chemical properties**
**Appearance**

<b>Form</b>	Liquid
<b>Color</b>	According to product specification
<b>Odor</b>	Mild
<b>Odor Threshold</b>	Not determined
<b>pH value</b>	Not Determined
<b>Melting point/Melting range</b>	Not Determined
<b>Boiling point/Boiling range</b>	Not Determined
<b>Flash point</b>	≥51° C (≥124°F)
<b>Flammability</b>	Not applicable
<b>Auto-Ignition temperature</b>	Not Determined
<b>Decomposition temperature</b>	Not Determined
<b>Danger of explosion</b>	Product is not explosive. However, formation of explosion air/vapor mixtures are possible
<b>Explosion limits</b>	
<b>Lower</b>	Not Determined
<b>Upper</b>	Not Determined
<b>Oxidizing properties</b>	Non-oxidizing
<b>Vapor pressure</b>	Not Determined
<b>Density</b>	
<b>Relative density</b>	Not Determined
<b>Vapor density</b>	Not Determined
<b>Evaporation rate</b>	Not Determined
<b>Solubility in / Miscibility with Water</b>	Fully miscible
<b>Partition coefficient (n-octanol/water)</b>	Not Determined
<b>Viscosity</b>	
<b>Dynamic</b>	Not Determined
<b>Kinematic</b>	Not Determined
<b>Other information</b>	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**

Flammable  
 Reacts with oxidizing agents

**Conditions to avoid**

Excessive heat

**Incompatible materials**

Oxidizers

**Hazardous decomposition products**

Carbon monoxide and carbon dioxide  
 Ammonia

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

**Information on toxicological effects**
**Acute toxicity**
**LD/LC50 values that are relevant for classification:**
**ATE (Acute Toxicity Estimate)**

Oral	LD50	1200-2000 mg/kg
Dermal	LD50	>2000 mg/kg (rabbit)
2807-30-9-2 (propyloxy) ethanol		
Oral	LD50	2260 mg/kg (mouse)
		3100 mg/kg (rat)
Dermal	LD50	1300 mg/kg (rabbit)

**Primary irritant effect:**
**On the skin:**

Irritant to skin and mucous membranes

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**On the eyes:**

Irritating effect

**Sensitization:**

Contains bis (1,2,2,6,6-pentamethyl-4-piperidyl) sebacate: May produce an allergic reaction

**IARC (International Agency for Research on Cancer):**

Present in trace quantities

75-56-9 propylene oxide

**NTP (National Toxicology Program):**

Present in trace quantities

75-56-9 propylene oxide

**OSHA-Ca (Occupational Safety & Health Administration):**

None of the ingredients are listed

**Probable route(s) of exposure:**

Eye contact

Skin contact

**Acute effects (acute toxicity, irritation and corrosivity)**

Harmful if swallowed

May be harmful in contact with skin

Irritating to eyes and skin

**Repeated dose toxicity:**

May cause sensitization by 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:**

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**

41556-26-7 bis (1,2,2,6,6 – pentamethyl – 4 piperidyl) sebacate

LC50 0.97 mg/l (lepomis macrochirus)

**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**

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**Recommendation:** Disposal must be made according to official regulations

**Recommended cleansing agent:** Water, if necessary, with cleansing agents

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

<b>UN-Number</b>	
DOT	NA1993
ADR, IMDG, IATA	UN1993
<b>UN, proper shipping name</b>	
DOT	Combustible liquid, n.o.s. {2-(propyloxy) ethanol}
ADR, IMDG	FLAMMABLE LIQUID, N.O.S. {2-(propyloxy) ethanol}
IATA	Flammable liquid, n.o.s. {2 – (propyloxy) ethanol}
<b>Transportation hazard class(es)</b>	
DOT	
Class	3 Combustible liquids
Label	3
ADR	
Class	3 (F1) Flammable liquids
Label	3
IMDG, IATA	
Class	3 Flammable liquids
Label	3
<b>Packing group</b>	
DOT, ADR, IMDG, IATA	III
<b>Environmental hazards</b>	
Marine pollutant:	No
<b>Special precautions for user</b>	
Danger code (Kemier)	30
EMS Number	F-E,S-E
<b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC code</b>	
Transportation / Additional Information	Not applicable
DOT	Classified as combustible under U DOT regulations. Labeling is only required for single packages $\geq 119$ US gal/450L
ADR	Limited Quantity for packages less than 30 kg gross and inner packaging's less than 5 L each.
IMDG	Limited Quantity for packages less than 30 kg gross and inner packaging's less than 5 L each.
IATA	Limited Quantity for packages less than 30 kg gross and inner packaging's less than 1 L each / 5 L net.

=====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):**

7440-47-3 chromium

7440-50-8 copper

**TSCA (Toxic Substance Control Act)**

116998-33-5: Not listed on the TSCA Inventory

Not all ingredients listed

**Clean Air Act (CAA) Section 112® Accidental Release Prevention (40 CFR 68.130)**

Present in trace quantities

75-56-9 propylene oxide

**Proposition 65 (California)**

**Chemicals Known to cause cancer**

Present in trace quantities

75-56-9 propylene oxide

**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

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**Chemicals known to cause development toxicity:**

None of the ingredients are listed

**Carcinogenic categories**
**EPA (Environmental Protection Agency)**

7440-47-3 chromium

7440-50-8 copper

**IARC (International Agency for Research on Cancer):**

Present in trace quantities

75-56-9 propylene oxide

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

Present in trace quantities

75-56-9 propylene oxide

**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