

# 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 Diamagrout Component "B"

**PRODUCT CODE:** DPDG

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

**Classification of substance or mixture**

Flam. Liq. 4 H227 Combustible liquid

**Label elements**

**GHS Label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS)

**Hazard pictograms**

Void

**Signal word:**

Warning

**Hazard statements:**

Combustible liquid

**Precautionary statements**

Keep away from flames and hot surfaces – No smoking

Wear protective gloves/protective clothing/eye protection/face protection

In case of fire: Use for extinction: CO2, powder or water spray

Store in well-ventilated place, Keep cool.

Store locked up

Dispose of contents/container in accordance with local/regional/national/international regulations

**Classification system:**

**NFPA ratings (scale 0-4)**

Health = 0

Fire = 2

Reactivity = 0

**HMIS – ratings (scale 0-4)**

Health = 0

Fire = 2

Reactivity = 0

**Other hazards**

**Results of PBT and vPvB assessment**

**PBT:** Not applicable

**vPvB:** Not applicable

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

**Chemical characterizations:**

Mixtures

**Description:**

Mixture of substance listed below with nonhazardous additions

**Dangerous Components**

64742-47-8	Distillates (petroleum), Hydrotreated light Flam. Liq. 3, H226; Asp. Tox. 1, H304
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64742-96-7	Solvent naphta (petroleum) heavy aliph Asp. Tox. 1, H304
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===== SECTION 4 - FIRST AID MEASURES =====

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**Description of first aid measures**

**After inhalation:**

Supply fresh air and to be sure call a doctor in case of complaints

**After skin contact:**

Generally, the product does not irritate the skin

**After eye contact:**

Rinse opened eye for 15 minutes under running water. If symptoms persist, consult a doctor

**After swallowing:**

Rinse mouth and then drink plenty of water. Do not induce vomiting. Never induce vomiting or give anything by mouth if victim is unconscious or having convulsions. If symptoms persist, consult doctor.

**Information for the doctor:**

**Most important symptoms and effects, both acute and delayed**

No further relevant information available

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

No further relevant information available

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

**Extinguishing Media**

**Suitable extinguishing agents:**

CO<sub>2</sub>, extinguishing powder, foam or water spray, Fight larger fires with water spray

**Special hazards arising from the substance or mixture**

Hazards during fire-fighting:

Nitrous gases, fumes/smoke, isocyanate, vapor

**Advice for firefighters**

**Protective equipment:**

Firefighters should be equipped with self-contained breathing apparatus and turn-out gear

**Additional Information:**

Dispose of fire debris and contaminated extinguishing water in accordance with official regulations

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

**Personal precautions, protective equipment and emergency procedures**

Clear area

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

**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**

Dispose contaminated material as waste according to Item 13

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

Send for recovery or disposal in suitable receptacles

Ensure adequate ventilation

**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

**Protective Action Criteria for Chemicals**

**PAC – 1**

102-60-3	1,1',1", 1''' – ethylenedinitrilotetrapropan	34 mg/m <sup>3</sup>
1305-78-8	calcium oxide	6 mg/m <sup>3</sup>

**PAC 2**

102-60-3	1,1',1", 1''' – ethylenedinitrilotetrapropan	370 mg/m <sup>3</sup>
1305-78-8	calcium oxide	110 mg/m <sup>3</sup>

**PAC 3**

102-60-3	1,1',1", 1''' – ethylenedinitrilotetrapropan	2,200 mg/m <sup>3</sup>
1305-78-8	calcium oxide	660 mg/m <sup>3</sup>

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

**HANDLING INFORMATION:**

**Precautions for safe handling:**

Open and handle receptacle with care

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Use and store only in well ventilated areas

Protect against moisture

Keep out of the reach of children

#### Information about protection against explosions and fires:

Keep ignition sources away

Do not smoke

#### Conditions for safe storage, including any incompatibilities

Segregate from foods and animal feeds.

Segregate from acids and bases

#### Storage

##### Requirements to be met by storerooms and receptacles

Carbon steel, (Iron), High density polyethylene (HDPE), low density polyethylene (LDPE)

##### Information about storage in one common storage facility:

Not required

##### Further information about storage conditions:

Keep receptacle tightly sealed

##### Specific end use(s):

No relevant information available

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

#### Additional information about design of technical systems:

No further data; see Item 7

#### Control Parameters

##### Components with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of material with critical values that have to be monitored at the workplace

#### Personal Protection Equipment:

##### General protective and hygienic measures:

Wash hands before breaks and at the end of work

**Engineering controls:** No relevant information available

##### Breathing Equipment:

Not required

##### PROTECTIVE GLOVES:

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

The selection of the gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore need to be checked prior to use.

Penetration time of glove material:

The exact break through time must be found out by the manufacturer of the protective gloves and has to be observed

##### 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.

##### Body Protection:

Protective work clothing

##### 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

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

#### Information on basic physical and chemical properties

##### Appearance

<b>Form</b>	Liquid
<b>Color</b>	Amber
<b>Odor</b>	Slight odor
<b>Odor Threshold</b>	Not determined
<b>pH value</b>	7
<b>Melting point/Melting range</b>	Not Determined
<b>Boiling point/Boiling range</b>	200° C (392° F)
<b>Flash point</b>	>61° C (>°F)
<b>Flammability (solid, gas)</b>	Not applicable

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<b>Ignition temperature</b>	250°C (482°F)
<b>Auto-Ignition temperature</b>	Product is not self-igniting
<b>Decomposition temperature</b>	Not Determined
<b>Danger of explosion</b>	Product is not explosive.
<b>Explosion limits</b>	
<b>Lower</b>	Not Determined
<b>Upper</b>	Not Determined
<b>Oxidizing properties</b>	Not Determined
<b>Vapor pressure</b>	2 hPa (1.5 mm Hg)
<b>Density at 20° C (68°F)</b>	0.99576 g/cm <sup>3</sup> , (8.30962 lbs/gal)
<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>	Not miscible or difficult to mix
<b>Partition coefficient (n-octanol/water)</b>	Not Determined
<b>Viscosity</b>	
<b>Dynamic</b>	400 mPas
<b>Kinematic</b>	Not Determined
<b>Solvent Content:</b>	
<b>VOC content:</b>	0.00%
	0.0 g/l (0.00 lb/gal)
<b>Solids content:</b>	
<b>Other information</b>	
	No relevant information available

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

**Reactivity:** No relevant information available

**Chemically stability**

**Thermal decomposition / conditions to be avoided:**

No decomposition if used and stored according to specifications

**Possibility of hazardous reactions**

Contact with certain rubbers and plastics can cause brittleness of the substance/product with subsequent loss in strength.

Exothermic reaction

Reacts with strong acids and alkalines

Reacts with oxidizing agents

**Conditions to avoid**

Moisture

**Incompatible materials**

Acids, amines, alcohols, water, alkalines, strong bases, Products that react with isocyanates

**Hazardous decomposition products**

Aromatic isocyanates, gases/vapors, carbon monoxide, carbon dioxide, nitrogen oxide, hydrogen cyanide

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

**Information on toxicological effects**

**Acute toxicity**

**LD/LC50 values that are relevant for classification:**

**ATE (Acute Toxicity Estimate)**

Oral LD50 4,796 mg/kg (mouse)

Inhalative LD50 11.4 mg/l

101-68-4.4' – methylene diphenyl diisocyanate

Oral LD50 2,200 mg/kg (mouse)

**Primary irritant effect:**

**On the skin:**

No irritant effect

**On the eyes:**

No Irritating effect

**Sensitization:**

No sensitization effects known

**Additional toxicological information:**

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

**Carcinogenic categories**

IARC (International Agency for Research on Cancer)

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None of the ingredients are listed

**NTP (National Toxicology Program):**

None of the ingredients are listed

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

None of the ingredients are listed

===== 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:**

Water hazard Class 1 (Self-assessment): Slightly hazardous for water

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

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

**UN-Number**

**DOT, ADN, IMDG, IATA** not regulated

**UN, proper shipping name**

**DOT, ADN, IMDG, IATA** not recognized

**Transportation hazard class(es)**

**DOT, ADN, IMDG, IATA**

**Class** not recognized

**Packing group**

**DOT, IMDG, IATA** not recognized

**Environmental hazards** not applicable

**Special precautions for user** not applicable

**Stowage Category** A

**Transport in bulk according to Annex II of MARPOL73/78 and the IBC code**

Not applicable

**UN "Model Regulation":** not regulated

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

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

United States (USA)

**SARA**

**Section 355 (extremely hazardous substances):**

None of the ingredients are listed

**Section 313 (Specific toxic chemical listings):**

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None of the ingredients are listed

**TSCA (Toxic Substance Control Act)**

All the ingredients listed

**Proposition 65 (California)**
**Chemicals Known to cause cancer**

None of the ingredients are listed

**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:**

None of the ingredients are listed

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

None of the ingredients are listed

**TLV (Threshold Limit Value established by ACGIH)**

None of these ingredients are listed

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

None of these ingredients are listed

**GHS Label elements:**

The product is classified and labeled according to the Globally Harmonized System (GHS)

**Hazard Pictograms**

Void

**Signal word:**

Warning

**Hazard statements:**

Combustible liquid

**Precautionary statements**

Keep away from flames and hot surfaces

No smoking

Wear protective gloves/protective clothing/eye protection/face protection

In case of fire: Use for extinction: CO<sub>2</sub>, powder or water spray

Store in well-ventilated place. Keep container completely closed

Store locked up

Dispose of contents/container in accordance with local/regional/national/international regulations

**Chemical safety assessment:**

A Chemical Safety Assessment has not been carried out

=====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

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