

SAFETY DATA SHEET

REVISED: 4.4.2019

===== 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 Joint Fill Plus Component "B"**PRODUCT CODE: DPJFP**

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

Classification of substance or mixture

GHS08 Health Hazard

Repr. 2	H361	Suspected of damaging fertility or unborn child.
STOT RE 2	H373	May cause damage to organs through prolonged or repeated exposure.
GHS07		
Eye Irrit. 2A	H319	Causes serious eye irritation
Skin Sens. !	H317	May cause an allergic skin reaction.

Label elements**GHS Label elements**

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

GHS08 Health hazard

STOT RE 2 H319 May cause damage to organs through prolonged or repeated exposure

GHS07

Eye Irrit. 2A H319 Causes serious eye irritation

Hazard pictograms

GHS07

GHS08

Signal word:

Warning

Hazard – determining components of labeling:

Diethylmethylbenzenediamine

Pyrethione zinc

Hazard statements:

Causes serious eye irritation

May cause an allergic skin reaction

Suspected of damaging fertility or the unborn child.

May cause damage to organs through prolonged or repeated exposure

Precautionary statements

Obtain special instruction before use.

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

Do not breathe dust/fume/gas/mist/vapors/spray

Wash thoroughly after handling

Contaminated work clothing must not be allowed out of the work place.

Wear eye protection/face protection

If on skin: Rinse cautiously with water for several minutes.

If in eyes: Rinse cautiously with water for several minutes

Remove contact lenses. If present and easy to do. Continue rinsing

Get medical advice/attention if you feel unwell

If skin irritation or rash occurs: Get medical advice/attention.

If eye irritation persists, get medical advice/attention

Wash contaminated clothing before reuse.

Store locked up.

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

Classification system:**NFPA ratings (scale 0-4)**

Health = 2

Fire = 1

Reactivity = 0

HMIS – ratings (scale 0-4)

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Health = 2
Fire = 1
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

102-60-3	1,1',1'',1'''-ethylenedinitrotetrapropan-2-ol	10-15%
68479-98-1	diethylmethylbenzenediamine	3-5%
13463-41-7	Pyrithione zinc	0.1-0.9%
82919-37-7	methyl 1,2,2,6,6-piperidylsbacate	0.2-0.4%

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

General Information:

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident

Description of first aid measures

After inhalation:

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

In case of unconsciousness place patient stably in side position for transportation

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:

CO₂, 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

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Do not allow 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

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 2-ol	34 mg/m ³
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PAC 2

102-60-3	1,1',1", 1''' – ethylenedinitrilotetrapropan 2-ol	370 mg/m ³
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PAC 3

102-60-3	1,1',1", 1''' – ethylenedinitrilotetrapropan	2,200 mg/m ³
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===== SECTION 7 - HANDLING AND STORAGE =====

HANDLING INFORMATION:

Precautions for safe handling:

Open and handle receptacle with care

Use and store only in well ventilated areas

Prevent formation of aerosols.

Keep out of the reach of children

Information about protection against explosions and fires:

Keep respiratory protective device available.

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

No special requirements.

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

Keep away from foodstuffs, beverages and feed

Immediately remove all soiled and contaminated clothing

Store protective clothing separately

Avoid contact with eyes

Avoid contact with eyes and skin

Engineering controls: No relevant information available

Breathing Equipment:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

PROTECTIVE GLOVES:

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

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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

Form	Liquid
Color	Clear to slightly cloudy
Odor	Slight odor
Odor Threshold	Not determined
pH value	Not determined
Melting point/Melting range	Not Determined
Boiling point/Boiling range	200° C (392° F)
Flash point	94° C (201.1°F)
Flammability (solid, gas)	Not applicable
Ignition temperature	420°C (788°F)
Auto-Ignition temperature	Product is not self-igniting
Decomposition temperature	Not Determined
Danger of explosion	Product is not explosive.

Explosion limits

Lower	Not Determined
Upper	Not Determined

Oxidizing properties Not Determined

Vapor pressure Not determined

Density at 20° C (68°F) 1.02691 g/cm³, (8.56956 lbs/gal)

Relative density Not Determined

Vapor density Not Determined

Evaporation rate Not Determined

Solubility in / Miscibility with Water Not miscible or difficult to mix

Partition coefficient (n-octanol/water) Not Determined

Viscosity

Dynamic 800 mPas

Kinematic Not Determined

Solvent Content:

VOC content: 0.00%

0.0 g/l (0.00 lb/gl)

Other information 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

No dangerous reactions known.

Conditions to avoid

No further relevant information available.

Incompatible materials

No further relevant information available.

Hazardous decomposition products

No dangerous decomposition products known.

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

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

Oral	LD50	7.380 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rat)
68479-98-1		diethymethylbenzenediamine
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:

The product shows the following dangers according to internally approved calculation methods for preparations:

Irritant

IARC (International Agency for Research on Cancer):
Carcinogenic categories
IARC (International Agency for Research on Cancer)

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 3 (Self-assessment): extremely hazardous for water

Do not allow to reach ground water, water course or sewage system

Danger to drinking water if even extremely small quantities leak into the ground

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 =====

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UN-Number	
DOT	not regulated
IMDG, IATA	UN3082
UN, proper shipping name	
DOT	not regulated
IMDG	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (diethylmethylbenzenediamine) MARINE POLLUTANT
IATA	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (diethylmethylbenzenediamine)
Transportation hazard class(es)	
DOT	
Class	not recognized
IMDG, IATA	
Class	9 Miscellaneous dangerous substances and articles
Label	9
Packing group	
DOT	not regulated
MGD, IATA	III
Environmental hazards	Product contains environmentally hazardous substances diethylmethylbenzenediamine
Marne pollutant	Symbol (fish and tree)
Special marking (IATA)	Symbol (fish and Tree)
Special precautions for user	Warning: Miscellaneous dangerous substances and articles
Danger code (Kemler):	90
EMS Number:	F-A, S-F
Stowage Category	A
Transport in bulk according to Annex II of MARPOL73/78 and the IBC code	Not applicable
IMDG	
Limited quantities (LQ)	5L
Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
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):

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:

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Hazard Pictograms

GHS07
GHS08

Signal word:

Warning

Hazard-determining components of labeling:

diethylmethylbenzenediamine
Pyrithione zinc
Methyl 1,2,2,6,6-pentamethyl-4-piperidylsebacate

Hazard statements:

Causes serious eye irritation
May cause an allergic skin reaction.
Suspected of damaging fertility or the unborn child
May cause damage to organs through prolonged or repeated exposure

Precautionary statements

Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Do not breathe dust/fume/gas/mist/vapors/spray
Wash thoroughly after handling
Contaminated work clothing must not be allowed out of the workplace
Wear protective gloves/protective clothing/eye protection/face protection
If on skin: Wash with plenty of water
In eye: Rinse continuously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.
Get medical advice/attention if you feel unwell.
If eye irritation persists: Get medical advice/attention
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