

# 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 Diamapro Joint Fill 90 B Component**  
**PRODUCT CODE: DPDJF90B**

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

### Classification of the Substance or Mixture

GHS08 Health hazard  
 Carc. 2 H351 Suspected of causing cancer. Route of exposure: Inhalation.

### **Label elements**

GHS label elements

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

**Signal Word**      Warning

### **Hazard-determining components of labeling:**

titanium dioxide

### **Hazard Statements**

Suspected of causing cancer. Route of exposure: Inhalation.

### **Precautionary Statements**

Obtain special instructions before use.  
 Do not handle until all safety precautions have been read and understood.  
 Wear protective gloves/protective clothing/eye protection/face protection.  
 IF exposed or concerned: Get medical advice/attention.  
 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 = 1  
 Reactivity = 0

HMS-ratings (scale 0 - 4)

HEALTH = 0  
 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 Characterization: Mixtures**

**Description:**      Mixture of the substances listed below with nonhazardous additions.

Dangerous components:			
	13463-67-7	titanium dioxide	2-4%
	1333-86-4	Carbon black	0.4-0.7%

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

### **Description of First Aid Measures**

**After Inhalation:**      Supply fresh air; consult doctor in case of complaints.

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**After Skin Contact:** Generally the product does not irritate the skin.

**After Eye Contact:** Rinse opened eye for several minutes under running water.

**After Swallowing:** If symptoms persist consult doctor.

**Information for 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:** Use fire fighting measures that suit the environment.

**Special hazards arising from the substance or mixture** No further relevant information available

**Advice for firefighters**

**Protective equipment:** No special measures required

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

**Personal precautions, protective equipment and emergency procedures** Not required

**Environmental precautions:** Do not allow to enter sewers/surface or ground water

**Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose contaminated material as waste according to item 13.

**Reference to other sections**

See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

**Protective Action Criteria for Chemicals**

<b>PAC-1:</b>		
13463-67-7	titanium dioxide	30 mg/m <sup>3</sup>
1333-86-4	Carbon black	9 mg/m <sup>3</sup>

<b>PAC-2:</b>		
13463-67-7	titanium dioxide	330 mg/m <sup>3</sup>
1333-86-4	Carbon black	99 mg/m <sup>3</sup>

<b>PAC-3:</b>		
13463-67-7	titanium dioxide	2,000 mg/m <sup>3</sup>
1333-86-4	Carbon black	590 mg/m <sup>3</sup>

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

**Handling:**

**Precautions for safe handling** Open and handle receptacle with care.

**Information about protection against explosions and fires:** Keep respiratory protective device available.

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

**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 further relevant information available.

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### ===== 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 following constituent is the only constituent of the product which has a PEL, TLV or other recommended exposure limit. At this time, the remaining constituent has no known exposure limits.

1333-86-4 Carbon black	
PEL	Long-term value: 3.5 mg/m <sup>3</sup>
REL	Long-term value: 3.5* mg/m <sup>3</sup> *0.1 in presence of PAHs; See Pocket Guide Apps.A+C
TLV	Long-term value: 3* mg/m <sup>3</sup> *inhalable fraction, A3

**Additional information:** The lists that were valid during the creation were used as basis.

**Exposure controls**

**Personal protective equipment:**

**General protective and hygienic measures:** Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing.  
Wash hands before breaks and at the end of work.  
Store protective clothing separately.

**Breathing equipment:** Not required

**Protection of hands:**

**Protective gloves**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

**Material of gloves**

The selection of the suitable 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 can not be calculated in advance and has therefore to be checked prior to the application.

**Penetration time of glove material**

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

**Eye protection:** Goggles recommended during refilling

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

**Information on basic physical and chemical properties**

**General Information**

**Appearance:**

**Form:** Liquid  
**Color:** According to product specification

**Odor:** Amine-like  
**Odor threshold:** Not determined.

**pH-value:** Not determined.

**Change in condition**

**Melting point/Melting range:** Undetermined.  
**Boiling point/Boiling range:** 130 °C (266 °F)

**Flash point:** 110 °C (230 °F)

**Flammability (solid, gaseous):** Not applicable.

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<b>Decomposition temperature:</b>	Not determined.
<b>Auto igniting:</b>	Product is not selfigniting.
<b>Danger of explosion:</b>	Product does not present an explosion hazard.
<b>Explosion limits:</b>	
<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.
<b>Vapor pressure:</b>	Not determined.
<b>Density at 20 °C (68 °F):</b>	8.67 g/cm <sup>3</sup> (72.35115 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</b>	
<b>Water:</b>	Not miscible or difficult to mix.
<b>Partition coefficient (n-octanol/water):</b>	Not determined.
<b>Viscosity:</b>	
<b>Dynamic:</b>	Not determined.
<b>Kinematic:</b>	Not determined.
<b>Solvent content:</b>	
<b>VOC content:</b>	0.00 % 0.0 g/l / 0.00 lb/gal
<b>Other information</b>	No further relevant information available.

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

<b>Reactivity</b>	No further relevant information available.
<b>Chemical stability</b>	
<b>Thermal decomposition / conditions to be avoided:</b>	No decomposition if used according to specifications.
<b>Possibility of hazardous reactions</b>	No dangerous reactions known.
<b>Conditions to avoid</b>	No further relevant information available.
<b>Incompatible materials:</b>	No further relevant information available.
<b>Hazardous decomposition products:</b>	No dangerous decomposition products known.

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

**Information on toxicological effects-**

**Acute toxicity:**

	LD/LC50 values that are relevant for classification:	
	13463-67-7 titanium dioxide	
Oral	LD50	>20,000 mg/kg (rat)
Dermal	LD50	>10,000 mg/kg (rabbit)
Inhalative	LC50/4 h	>6.82 mg/l (rat)
	1333-86-4 Carbon black	
Oral	LD50	10,000 mg/kg (rat)

**Primary irritant effect:**

**on the skin:**

No irritant effect.

**on the eye:**

No irritating effect.

**Sensitization:**

No sensitizing effects known.

**Additional toxicological information:**

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

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Carcinogenic categories

IARC (International Agency for Research on Cancer)		
13463-67-7	titanium dioxide	2B
1333-86-4	Carbon black	2B

NTP (National Toxicology Program)
None of the ingredients is listed.

OSHA-Ca (Occupational Safety & Health Administration)
None of the ingredients is listed.

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

### Toxicity

**Aquatic toxicity:** No further relevant information available.  
**Persistence and degradability** No further relevant information available.

**Behavior in environmental systems:**  
**Bioaccumulative potential** No further relevant information available.  
**Mobility in soil** No further relevant information available.

### Additional ecological information:

#### General notes:

Water hazard class 3 (Self-assessment): extremely hazardous for water  
 Do not allow product to reach ground water, water course or sewage system, even in small quantities.  
 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 further relevant information available.

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

### Waste treatment methods

**Recommendation:** Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

### Uncleaned packagings:

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

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

### UN-Number

DOT, IMDG, IATA not regulated

### UN proper shipping name

DOT, IMDG, IATA not regulated

### Transport hazard class(es)

DOT, ADN, IMDG, IATA  
 Class not regulated

### Packing group

DOT, IMDG, IATA not regulated

### Environmental hazards:

Not applicable.

### Special precautions for user

Not applicable.

### Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

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UN "Model Regulation": not regulated

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

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

No further relevant information available.

**Sara**

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

None of the ingredients is listed.

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

None of the ingredients is listed.

**TSCA (Toxic Substances Control Act):**

All components have the value ACTIVE.

**Hazardous Air Pollutants**

None of the ingredients is listed.

**Proposition 65**

**Chemicals known to cause cancer:**

13463-67-7 titanium dioxide

1333-86-4 Carbon black

**Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

**Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

**Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

**Carcinogenic categories**

**EPA (Environmental Protection Agency)**

None of the ingredients is listed.

**TLV (Threshold Limit Value)**

13463-67-7 titanium dioxide A4

1333-86-4 Carbon black A4

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

13463-67-7 titanium dioxide

1333-86-4 Carbon black

**GHS label elements**

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

**Hazard** GHS08

**Signal word** Warning

**Hazard-determining components of labeling:**

titanium dioxide

Hazard statements

Suspected of causing cancer. Route of exposure: Inhalation.

**Precautionary statements**

Obtain special instructions before use.

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

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

IF exposed or concerned: Get medical advice/attention.

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, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*

**Abbreviations and acronyms:**

**IMDG:** International Maritime Code for Dangerous Goods

**DOT:** US Department of Transportation

**IATA:** International Air Transport Association

**EINECS:** European Inventory of Existing Commercial Chemical Substances

**ELINCS:** European List of Notified Chemical Substances

**CAS:** Chemical Abstracts Service (division of the American Chemical Society)

**NFPA:** National Fire Protection Association (USA)

**HMIS:** Hazardous Materials Identification System (USA)

**VOC:** Volatile Organic Compounds (USA, EU)

**LC50:** Lethal concentration, 50 percent

**LD50:** Lethal dose, 50 percent

**PBT:** Persistent, Bioaccumulative and Toxic

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**vPvB:** very Persistent and very Bioaccumulative  
**NIOSH:** National Institute for Occupational Safety  
**OSHA:** Occupational Safety & Health  
**TLV:** Threshold Limit Value  
**PEL:** Permissible Exposure Limit  
**REL:** Recommended Exposure Limit  
**Carc. 2:** Carcinogenicity – Category 2

Prepared By: S. Thome  
Revision Date: 10/26/2021

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.