
	<b>SAFETY DATA SHEET</b>	<input checked="" type="checkbox"/>	<b>R-PG 10/01</b> Ref.SDS29.03A
	<b>INFORMATION FORM CHEMICALS DATA</b>	<input type="checkbox"/>	

1.-Identification of the chemical and of the manufacturer, importer or other undertaking.			
1.1.-Identificación of the substance on preparation			
Trade name:	<b>MAXSEAL FLEX (A)</b>		
Code of the preparation			
1.2.-Identificación of the manufacturer, importer or other undertaking			
1.2.1.-Manufacturer, importer, other undertaking:	<b>DRIZORO, S.A.</b>		
1.2.2.-Address:	<b>C/Primavera, 50-52          Parque Industrial Las Monjas          28850 Torrejón de Ardoz, Madrid          Spain</b>		
1.2.3.-Name and address of the informant in emergency cases.			
Emergency telephone number:			
1.2.4.-Information on foreign manufacturer.			
2.Composition and information on ingredients			
2.1.-Description:	<b>Aqueous solution of acrylic polymer</b>		
2.2.-Hazardous ingredients:			
2.2.1.-CAS number or other code	2.2.2 Name of the ingredients	2.2.3.Concentration	2.2.4.Warning symbol, R phrases and other data on the ingredients
2.2.5 Full chemical name of the ingredients (CAS number name)			Confidential
<b>Polymer acrylic, CAS number 141-32-2</b>			
2.2.6 Other information			

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3. Hazards Identification	
<p><b>Avoid any contact with skin, respiratory system and eyes as it may cause irritations.</b>  <b>Wear suitable clothes (gloves, protective glasses, body-suits,..)</b></p>	
4. First aid measures	
4.1 Special instructions	
<p><b>Avoid any prolonged contact with skin, eyes and respiratory system</b></p>	
4.2 Inhalation	
<p><b>Move the patient to a well ventilated place, if breathing stop or artificial respiration is difficult to do, avoid any vomit will be ingested, lean the head of patient and see a doctor.</b></p>	
4.3 Skin	
<p><b>Remove the product and rinse, the affected area, immediately with plenty of water at least for 15 minutes. Take the stained clothes off and if symptoms continue, go to see a doctor.</b></p>	
4.4 Splashes in eyes	
<p><b>Hold eyelids apart and clean the eyes right away at least for 15 minutes and see a doctor.</b></p>	
4.5 Ingestion	
<p><b>Go right away to see a doctor, and show this safety data sheet</b>  <b>The decision of inducing or not to vomit, will be based on medical criteria.</b></p>	
4.6 Information of doctor or other trained persons giving first aid	
<p><b>Treatment will be based on medical criteria, depending on patient's reaction.</b></p>	
5. Fire-Fighting measures.	
5.1 Suitable extinguishing media	
<p><b>Water mist, chemist powder, foam, carbon dioxide (CO2)</b></p>	
5.2 Extinguishing media which must not be used for safety reasons.	
<p><b>Plenty of water-blast.</b></p>	
5.3 Special exposure hazards in a fire.	
<p><b>No flammable product. Small quantities of oxides of carbon, nitrogen or cyanides can be released from combustion.</b>  <b>Neighbours have to be evacuated as well as any person that could be found in the same direction of wind.</b></p>	
5.4. Special protective equipment for a fire	
<p><b>Firemen must wear boots, gloves and body-suits anti-fire, as well as autonomous respiratory equipment.</b></p>	
5.5 Other instructions	
<p><b>Retain expended liquids from fire fighting for later disposal.</b></p>	
6. Accidental release measures.	
6.1 Personal precautions	
<p><b>Avoid any contact with skin and eyes. Do not breath steams.</b>  <b>Wear protective clothes, such as gloves, boots and protection for eyes (glasses with lateral fittings)</b></p>	
6.2 Environmental precautions	
<p><b>Avoid the product come into the ground, sewer systems or any kind of water streams (Even underground).</b></p>	
6.3 Methods for cleaning up	
<p><b>Take with mechanical devices or absorb with suitable products (sand, earth of diatoms, Vermiculite, etc...).</b>  <b>The residue must be picked up, labelled and removed following laws in force.</b></p>	
6.4 Other instructions	
7. Handling and storage	
7.1 Handling	<p><b>Do not inhale steams, avoid any contact with skin and eyes, Wear suitable</b></p>

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**Clothes, take into account laws in force.**

7.2 Storage **Keep packages perfectly closed and stored in a dry, cool and well ventilated place with a temperature between 10-35°C.**

**Protect packaging of frost.**

**8. Exposure controls / personal protection**

8.1 Technical measures for exposure controls.

8.2 Limit values for workplace

8.2.1 HTP values

8.2.2 Other information on limit values

8.3. Personal protective equipment

8.3.1. Special instructions for protection and hygiene

**Provide good ventilation in places where storing, handling or applying.**

8.3.2. Respiratory protection

**No necessary under usual work conditions.**

8.3.3 Hand protection

**Wear waterproofing gloves.**

8.3.4. Eye protection

**Wear glasses with lateral protection.**

8.3.5. Skin protection

**Wear boots and protective waterproofing clothes.**

**9. Physical and chemical properties.**

9.1 Physical state, colour and odour. **Milky liquid, characteristic odour.**

9.2. pH **7-11**

9.3 Information on changes in the physical state.

9.3.1. Boiling point / boiling range

**Approx.  
100°C**

9.8 Explosive limits

a.-Lower

9.3.2 Melting point / melting range

b.- Upper

9.3.3 Decomposition temperature

**> 160°C**

9.9 .Oxidizing properties

9.4. Flash point

**N.A.**

9.5. Flammability (solid / gas)

9.10 Vapour pressure

**Approx. 1**

9.6. Autoflammability

9.11 Relative density

**1 –1.05 g/cm3**

9.7. Explosion hazard

9.12 Solubility

a.-Water solubility

**Soluble**

b.- Fat solubility

9.13 Partition coefficient (for ingredients) in-octano / water

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9.14 Viscosity  
9.15 Other information

**10.Stability and reactivity**

10.1 Conditions to avoid

**Hazardous reactions when storing or handling according to common industrial practices are unknown.**  
**Polymer can be decomposed for temperatures above 160°C. Avoid frozen.**

10.2 Materials to avoid

**N.A.**

10.3 Hazardous decomposition products

**Thermal decomposition may produce acrylic monomers.**

**11.Toxicological information**

11.1 Acute Toxicity

**Ingestion DL 50 – rat > 5000 mg/kg.**  
**Skin DL 50 – Rabbit > 5000 mg/kg**

11.2 Irritancy and corrosiveness

**In contact with skin and eyes of rabbit it causes irritations with no consequences.**

11.3 Sensitisation

**Could take place.**

11.4 Subacute, subchronic and prolonged toxicity

**N.A.**

11.5 Empirical data on effects on humans

11.6 Other information on health effects

**12.Ecological information**

12.1 Persistence in the environment

12.1.1 Biodegradation **This product is not biodegraded although easily bioeliminated.**

12.1.2 Chemical degradation

**The product is stable.**

12.2 Bioaccumulation

**This product is not bioaccumulated.**

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12.3 Mobility

**This product is stable.**

12.4 Toxic effects on organisms

12.4.1 Aquatic toxicity

**Avoid the product comes into the sewage system or any superficial or underground stream.**

12.4.2 Other toxicity

12.5. Other information

13. Disposal considerations

**Disposal according to legislation in force, residue has to be properly labelling.**  
**Take with mechanical devices or absorb with suitable products.**  
**Solution can be coagulated with gradual addition of chloride ferric and lime, and dispose the residue according to legislation in force.**

14. Transport information

14.1 UN number

**No classified like hazardous merchandise.**

14.2 Packaging category

14.3 Land transport

14.3.1 Transport class

14.3.2 Risk code

14.3.3 Name according to bill of freight

14.3.4 Other information

14.4 Sea transport

14.4.1 IMDG class

14.4.2 Correct technical name

14.4.3 Other information

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**14.5 Air transport**

14.5.1 IDAO / IATA class  
 14.5.2 Correct technical name  
 14.5.3 Other information

**15.Regulatory information**

**15.1Information on the warning label**

15.1.1 Letter code of the warning symbol and indications of danger for the preparation.

**Label is not required.**

15.1.2 Names of the ingredients given on the warning label

15.1.3 R phrases.

15.1.4 S phrases

**S36/37/39 (Wear clothes, suitable gloves and protections on eyes and face)**

15.1.5 Special regulations on certain preparations

15.2 National regulations

**16. Other information**

**16.1 Purpose of use**

16.1.1 Expressed in writing

16.1.2 Code for the purpose of use

Sic (TOL)-Standard industrial classification  
 KT – Desired effect of the chemical

SIC 1:  
 SIC 2:  
 SIC 3:  
 SIC 4:

KT 1:  
 KT 2:  
 KT 3:  
 KT 4:


16.2 Directions for use

16.3 Other information

**This product must be stored, handled and used on the basis of a good industrial hygiene, according to legislation in force. The information provided in this safety data sheet is based on our actual knowledge state and try to describe our product from the point of view of safety requirements. It cannot perform as a guarantee of specific properties**


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16.4 Additional information available from	
16.5 Sources of information used in the compilation of the safety data sheet	
<p><b>Data from suppliers and bibliographic sources.</b></p> <p>Date <b>22 July 2002</b></p> <p>Signature</p>	

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**1.-Identification of the chemical and of the manufacturer, importer or other undertaking.**
**1.1.-Identificación of the substance on preparation**

 Trade name: **MAXSEAL FLEX (B)**

Code of the preparation

**1.2.-Identificación of the manufacturer, importer or other undertaking**

 1.2.1.-Manufacturer, importer, other undertaking: **DRIZORO, S.A.**

 1.2.2.-Address: **C/Primavera, 50-52  
Parque Industrial Las Monjas  
28850 Torrejón de Ardoz, Madrid  
Spain**
**1.2.3.-Name and address of the informant in emergency cases.**

Emergency telephone number:

1.2.4.-Information on foreign manufacturer.

**2.Composition and information on ingredients**
**2.1.-Description:**
**2.2.-Hazardous ingredients:**

2.2.1.-CAS number or other code	2.2.2 Name of the ingredients	2.2.3.Concentration	2.2.4.Warning symbol, R phrases and other data on the ingredients

 2.2.5 Full chemical name of the ingredients (CAS number name) Confidential
**Portland Cement Compound      CAS: 65997-15-1**
**Other classification: EINECS 266-043-4**

2.2.6 Other information

**3. Hazards Identification**

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**Avoid any contact with skin, respiratory system and eye, as it causes irritations.**  
**Do not breath powder.**  
**Use suitable clothing (gloves, protection glasses, overalls, etc).**

**4.First aid measures**

4.1 Special instructions

4.2 Inhalation

**Move the patient to a well ventilated place. If breathing stop or artificial respiration is difficult to do, avoid any vomit will be ingested, lean the head of patient and see a doctor.**

4.3 Skin

**Remove the product and rinse, the affected area, immediately with plenty of water at least for 15 minutes. Take the stained clothes off and if symptoms continue, go to see a doctor.**

4.4 Splashes in eyes

**Hold eyelids apart and clean the eyes right away with plenty of water at least for 15 minutes and see a doctor.**

4.5 Ingestion

**Seek medical advice and show this safety data sheet.**  
**The decision of inducing or not to vomit, will be based on medical criteria.**

4.6 Information of doctor or other trained persons giving first aid

**Treatment will be based on medical criteria according to the reactions of the patient.**

**5.Fire-Fighting measures.**

5.1 Suitable extinguishing media

**Extinguishing media water mist, CO2, chemist powder, foam.**

5.2 Extinguishing media which must not be used for safety reasons.

**Do not use water-blast.**

5.3 Special exposure hazards in a fire.

**Non flammable material. Toxic products from combustion can be released, as oxides of carbon and nitrogen.**  
**Neighbours have to be evacuated as well as any person that could be found in the same direction of wind.**

5.4.Special protective equipment for a fire

**As usual in these circumstances: Wear anti-fire suites and autonomous respiratory equipment.**

5.5 Other instructions

**Retain expended liquids from fire fighting for later disposal.**

**6.Accidental release measures.**

6.1 Personal precautions

**Avoid powder spreads out. Do not breathe powder and avoid contact with skin and eyes.**  
**Use protective clothing as well as booths, gloves and protection for eyes (protection glasses with lateral setting). Use powder mask filter.**

6.2 Environmental precautions

**Avoid product penetrates into the ground, sewer system or in-shore waters.**

6.3 Methods for cleaning up

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**The product remains on site when is poured (risk of powder spreads). Do not use water. Pick up with mechanical devices. Dispose according with laws in force.**

6.4 Other instructions

**7. Handling and storage**

7.1 Handling

**Do not breath powder. Wear suitable clothing and use powder mask filter. Consider applicable law.**

7.2 Storage

**Keep packages well closed and in a dry, fresh and well ventilated place. Protect against humidity.**

**8. Exposure controls / personal protection**

8.1 Technical measures for exposure controls.

8.2 Limit values for workplace

8.2.1 HTP values

**Silica quartz---- TLV-TWA: 0.1 mg / m3 ,Respirable powder.  
Portland cement --- TLV-TWA: 10 mg / m3 , Total powder.**

8.2.2 Other information on limit values

8.3. Personal protective equipment

8.3.1. Special instructions for protection and hygiene

**Provide good ventilation in storing, handling and use places.**

8.3.2. Respiratory protection

**Powder mask filter.**

8.3.3 Hand protection

**Use waterproof gloves.**

8.3.4. Eye protection

**Goggles with lateral protection.**

8.3.5. Skin protection

**Wear waterproof protective suite and boots.**

**9. Physical and chemical properties.**

9.1 Physical state, colour and odour. **Odourless powder.**

9.2. pH

9.3 Information on changes in the physical state.

9.3.1. Boiling point / boiling range

9.8 Explosive limits

a.-Lower

9.3.2 Melting point / melting range

b.- Upper

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9.3.3 Decomposition temperature

9.4. Flash point **N.A.**

9.5. Flammability (solid / gas)

9.6. Autoflammability

9.7. Explosion hazard

9.9 .Oxidising properties

9.10 Vapour pressure

9.11 Relative density

9.12 Solubility a.-Water solubility

b.- Fat solubility

**In contact with water precipitates.**

9.13 Partition coefficient (for ingredients) in-octano / water

9.14 Viscosity

9.15 Other information

**10.Stability and reactivity**

10.1 Conditions to avoid

**No danger reactions are known while storing and handling according to the common industrial practise.  
Protect against humidity.**

10.2 Materials to avoid

**N.A.**

10.3 Hazardous decomposition products

**The product reacts with water, precipitating as stable hydrates.**

**11.Toxicological information**

11.1 Acute Toxicity

**Avoid breath powder.**

11.2 Irritancy and corrosiveness

**In contact with skin, eyes or respiratory system may cause irritations.**

11.3 Sensitization

**Low probability.**

11.4 Subacute, subchronic and prolonged toxicity

**N.A.**

11.5 Empirical data on effects on humans

11.6 Other information on health effects

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**12. Ecological information**

**12.1 Persistence in the environment**

12.1.1 Biodegradation **This product is not biodegradable.**

12.1.2 Chemical degradation **Acids decomposes this product resulting CO2.**

12.2 Bioaccumulation  
**It is not bioaccumulable.**

12.3 Mobility **This product is stable.**

**12.4 Toxic effects on organisms**

12.4.1 Aquatic toxicity  
**The product precipitates in contact with water as stable hydrates.**  
**Avoid product penetrates into sewer system.**

12.4.2 Other toxicity

12.5. Other information

**13. Disposal considerations**

**Dispose according to laws in force. Pick up with mechanical devices. In contact with water the product precipitates.**

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**14. Transport information**

14.1 UN number **No classified like hazardous merchandise.**

14.2 Packaging category

14.3 Land transport

14.3.1 Transport class

14.3.2 Risk code

14.3.3 Name according to bill of freight

14.3.4 Other information

14.4 Sea transport

14.4.1 IMDG class

14.4.2 Correct technical name

14.4.3 Other information

14.5 Air transport

14.5.1 IDAO / IATA class

14.5.2 Correct technical name

14.5.3 Other information

**15. Regulatory information**

15.1 Information on the warning label

15.1.1 Letter code of the warning symbol and indications of danger for the preparation.

**Label is not required.**

15.1.2 Names of the ingredients given on the warning label

15.1.3 R phrases.

15.1.4 S phrases

**S 22 – Do not breathe the powder.**

**S 7/8 – Keep packing well closed. Store in a dry place.**

**S 36/37 – Wear suitable clothes and protection gloves.**

15.1.5 Special regulations on certain preparations

15.2 National regulations

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**16. Other information**

**16.1 Purpose of use**

16.1.1 Expressed in writing

16.1.2 Code for the purpose of use

Sic (TOL)-Standard industrial classification  
KT – Desired effect of the chemical

SIC 1:  
SIC 2:  
SIC 3:  
SIC 4:

KT 1:  
KT 2:  
KT 3:  
KT 4:

16.2 Directions for use

16.3 Other information

**This product must be stored, handled and used on the basis of a good industrial hygiene, according to legislation in force. The information provided in this safety data sheet is based on our actual knowledge state and try to describe our product from the point of view of safety requirements. It cannot perform as a guarantee of specific properties**

16.4 Additional information available from

16.5 Sources of information used in the compilation of the safety data sheet

**Data from suppliers and bibliographic sources.**

Date

Signature

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