

# DEERFOS Material Safety Data Sheet

DEERFOS CO.,LTD.

Rev. Date : 02. May. 2006

Rev. No. : 4

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

- a. Product type : Coated Abrasive Products (PZ633, PZ533, PZ343, PZ537, PZ528, PZ628)
- b. Manufacturer : DEERFOS CO.,LTD
- c. The department of writer : R&D (Research and Development) Center
- d. Written by : SE-WOONG MO (Mr.)
- e. The department of charge : General affairs Dept.
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## 2. COMPOSITION / INFORMATION ON INGREDIENTS

- a. Classification : Mixture
- b. Chemical name : N/A
- c. Synonym : N/A
- d. Ingredients and composition

Ingredients		Composition	Composition %	CAS. NO
Resin	PZ633, PZ628	Phenol Resin	25	9003-35-4
	PZ533, PZ528		25	
	PZ343		28	
	PZ537		22	
Abrasive Grain	PZ633, PZ628	Al <sub>2</sub> O <sub>3</sub>	13	1344-28-1
	PZ533, PZ528	ZrO <sub>2</sub>	14	1314-23-4
	PZ343	Al <sub>2</sub> O <sub>3</sub>	10	1344-28-1
		ZrO <sub>2</sub>	8	1314-23-4
	PZ537	Al <sub>2</sub> O <sub>3</sub>	14	1344-28-1
		ZrO <sub>2</sub>	12	1314-23-4
Filler	PZ633, PZ628	CaCO <sub>3</sub>	12	1317-65-3
	PZ537	Na <sub>3</sub> AlF <sub>6</sub>	12	15096-52-3
	PZ343	CaCO <sub>3</sub>	21	1317-65-3
	PZ533, PZ528	CaCO <sub>3</sub>	7	1317-65-3
		Na <sub>3</sub> AlF <sub>6</sub>	13	15096-52-3
		KBF <sub>4</sub>	8	14075-53-7
Backing Material	PZ633, PZ628	PE	23	-
	PZ533, PZ528		18	
	PZ343		32	
	PZ537		26	

Others	PZ633, PZ628	-	1-2	-
	PZ533, PZ528			
	PZ343			
	PZ537			

**3. HAZARDS IDENTIFICATION**

Not applicable

**4. FIRST AID MEASURES**

a. Eye Contact

- Do not let the victim rub his eyes.
- Gently rinse the affected eyes with clean water for at least 15 minutes.
- Arrange for transport to the nearest medical facility for examination and treatment by a physician as soon as possible.

b. Skin Contact

- Do not absorbed through skin.(may cause abrasions)
- Obtain first aid or medical assistance, if needed.

c. Inhalation

- Remove to fresh air.
- Apply artificial respiration as needed.
- Obtain first aid or medical assistance.

d. Ingestion

- Obtain first aid or medical assistance, if needed.

**5. FIRE FIGHTING MEASURES**

a. Extinguishing media

- Dry chemical powder, carbon dioxide, water should be used fires.
- Use extinguishing medias appropriate to the source of the fire.

b. Special fire fighting procedures

- Backing & resin binder will burn or decompose, use respiratory protection.

**6. ACCIDENTAL RELEASE MEASURES**

No special measures required.

**7. HANDLING AND STORAGE**

- a. Keep temperature at 0 - 40
- b. Keep humidity at 30-60%
- c. In use, do not smoke or eat
- d. Avoid rough handling or dropping
- e. Protect against physical damage

**8. EXPOSURE CONTROLS AND PERSONAL PROTECTION**

- a. Control parameters : Not established
- b. As needed, approved dust respirator.
- c. Wear protective eye glasses or chemical safety goggles.
- d. No precautions other than clean body covering clothing should be needed.
- e. As needed, hearing protection.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

- a. Physical state, form : Solid
- b. Color : PZ633, PZ343, PZ537 (Blue) / PZ533 (Light Blue) / PZ528, PZ628 (Dark Green)
- c. Odor : None
- d. Boiling point : N/A
- e. Melting point : N/A
- f. Solubility in water : N/A
- g. Vapor pressure : N/A
- h. Specific gravity : N/A

**10. STABILITY AND REACTIVITY**

- a. This material is stable.
- b. Hazardous decomposition and polymerization will not occur.
- c. Decomposition products : In use, dust and decomposing resin system fumes are generated.  
In most cases, the material removed from the work piece will be significantly greater than the coated abrasive product components.

**11. TOXICOLOGICAL INFORMATION**

No relevant information found

**12. ECOLOGICAL EFFECTS**

- a. This substance is not biodegradable.
- b. This substance is not bioaccumulate.
- c. This substance is not fish toxicity.

**13. DISPOSAL CONSIDERATION**

This combustible material may be burned in a chemical incinerator equipped with on afterburner and scrubber.

**14. TRANSPORT INFORMATION**

No relevant information found

**15. REGULATORY INFORMATION**

The company is not able to check up the regulatory information in regard to be substances in your country or region, therefore, we request this matter would be filled by your responsibility.

**16. OTHER INFORMATION**

## a. References

- Chemical substances of unknown or variable composition complex reaction products and biological material.
- Coated abrasives modern tool of industry.

## b. Other

- The information and recommendations set forth herein are taken from sources believed to be accurate as of the date hereof ; however, KOREA ABRASIVE IND.CO.,LTD. makes no warranty with respect to the accuracy of the information or the suitability of the recommendations, and assumes no liability to any user thereof.
- Please consult KOREA ABRASIVE IND.CO.,LTD. for further information.