

# Material Safety Data Sheets (MSDS)

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

- a. Product name : Coated Abrasives(VA113, VA632, VZ133, VC121)  
b. Name of manufacturer : KOREA ABRASIVE IND.CO.,LTD.  
c. Writer of section : Research and Development part  
d. Writer of name : MO SE WOONG  
e. Charge of section : General affairs section  
f. Address : 290 GAJWA -4 DONG SEO-KU, INCHEON, KOREA.  
SEO-INCHEON P.O. Box 25, INCHEON, KOREA.  
g. Telephone number : 82-32-580-4300~8  
h. Fax number : 82-32-580-4310  
i. Revision date : FEB, 1, 2005  
j. Revision No : 2

## 2. COMPOSITION AND 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	VA113	Phenol Resin	20	9003-35-4
	VZ133		22	
	VC121		20	
	VA632		20	
Abrasives	VA113	Al <sub>2</sub> O <sub>3</sub>	23	1344-28-1
	VZ133	Al <sub>2</sub> O <sub>3</sub>	12	1344-28-1
		Zr <sub>2</sub> O <sub>3</sub>	10	1314-23-4
	VC121	SiC	25	409-21-2
VA632	Al <sub>2</sub> O <sub>3</sub>	24	1344-28-1	

Ingredients		Composition	Composition %	CAS. NO
Filler	VA113	CaCO <sub>3</sub>	18	471-34-11
	VZ133		20	
	VC121		17	
	VA632	Na <sub>3</sub> AlF <sub>6</sub>	30	
Backing Material	VA113	Vulcanized Fibre	38	-
	VZ133		34	
	VC121		37	
	VA632		25	
Others	VA113	-	-	-
	VZ133			
	VC121			
	VA632			

### 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

- Remove all contaminated clothing, shoes and socks from the affected areas as quickly as possible, cutting them off if necessary.
- Wash the affected area under tepid running water using a mild soap.

#### c. Inhalation

Remove the victim from the contamination immediately to fresh air.

#### d. Ingestion

Not Applicable

## **5. EXPLOSIVE AND FIRE FIGHTING METHOD**

### a. Extinguishing media

- Dry chemical powder, carbon dioxide, water, foam should be used fires.
- Use extinguishing media appropriate to surrounding fire conditions.

## **MEASURES**

- Toxic gases will form upon combustion.
- Apply water from a safe distance to cool and protect surrounding area.
- During fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

## **6. ACCIDENTAL RELEASE MEASURE**

- Shut off all sources of ignition.
- Carefully sweep up and remove.

## **7. HANDLING AND STORAGE**

- Keep at temperature at 0°C - 40°C
- Keep at humidity at 30-60%
- When using do not smoke or food
- Avoid rough handling or dropping
- Protect against physical damage

## **8. EXPOSURE CONTROL AND PERSONAL PROTECTION**

- Control parameters : NOT ESTABLISHED
- For most conditions, no respiratory protection should be needed : how ever, in dust.
- Wear protective eye glasses or chemical safety goggles.
- No precautions other than clean body covering clothing should be needed.
- As needed, hearing protection.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

- a. Physical state, form : Solid
- b. Color : VA113, VA632(Brown), VZ133(Blue), VC121:(Black)
- c. Odour : None
- d. Boiling point : Not available
- e. Melting point : Not available
- f. Solubility : 5-6%/25°C
- g. Vapour pressure : Not available

## **10. STABILITY AND REACTIVITY**

- a. This material is stable.
- b. Hazardous decomposition and polymerization will not occur.
- c. Decomposition products : Toxic fumes of carbon monoxide, carbon dioxide, sulfur oxides nitrogen oxides.

## **11. TOXICOLOGICAL INFORMATION**

No relevant information found

## **12. ECOLOGICAL EFFECTS**

- a. This substance is not biodegradable
- b. This substance is not bioaccumulatable
- 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

## 15. REGULATORY INFORMATION

The chemical 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

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

### b. Other

- 1) The information herein is given in good faith, but no warranty.

Please consult The KOREA ABRASIVE IND.CO.,LTD. for further information.

- 2) To the of know ledge, the information contained herein is accurate. However, neither KOREA ABRASIVE IND.CO.,LTD. Nor any subsidiaries assumes any liability what so ever for the accuracy or completeness of the information contained here sole responsibility of the user.

All material may present unknown hazard and should be used in caution :

Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.