



Material Safety Data Sheet

provisionally Globally Harmonized System of Classification
and Labelling of Chemicals (GHS)

1/5P.

REV. Date: 10-Feb-2009

Hazard Alert Code: Min/Nil=0

Section 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

1.1	INFORMATION OF THE SUBSTANCE/PREPARATION	ADC-100B,100AB,100SB ADC-12,12A,12S,12P,12AP,12SP ADC-10,10A,10S,10P,10AP,10SP
1.2	OTHER NAME	Dustless chalk
1.3	PRODUCT USE	Chalk
1.4	COMPANY IDENTIFICATION MANUFACTURE'S NAME	MUNGYO CORPORATION
	ADDRESS	717-15 Sinchunri, Hanlim, Kimhai, Kyungnam, KOREA.
	Emergency Telephone Number	During office hours: Tel : 82-55-346-1001-7 Fax: 82-55-346-1011 Out office hours: Tel :82-10-8209-4546
1.5	HARZARD RATINGS	
		Min Max
	Flammability 0 1	Min/Nil=0
	Toxicity 0 1	Low=1
	Body Contact 0 1	Moderate=2
	Reactivity 0 1	High=3
	Chronic 0 1	Extreme=4

Section 2. HARZARD IDENTIFICATION

Not classified as hazardous under GHS parts 2, 3 or 4

Section 3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1	COMPOSITION	Name	Cas No	%
		Caco3	471-34-1	93-95
		PVA	9002-89-5	1.5
		S/A	1957-11-04	1.5
		CMC	9000-11-07	1
		S/S	1344-09-8	0.5
		S/C	9005-46-3	0.5
		PIGMENTS		2 ~ 3
3.2	HAZARDOUS INGREDIENTS:			None.
3.3	CLASSIFICATION / SYMBOL:			Not applicable.



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Section4. FIRST AID MEASURES

EYE CONTACT	Rinse with plenty of water. In case of irritation, seek medical advice.
SKIN CONTACT	Wash with water.
INHALATION	Move person to fresh air. In case of indisposition, seek medical advice.
INGESTION	Symptomatic treatment. In case of indisposition, seek medical advice

Section5. FIRE-FIGHTING MEASURES

Non-flammable, non- combustible substance.

Section6. ACCIDENTAL RELEASE MEASURES

Will not mix with water. Do not flush down drains.
Slippery when wet . cordon off for road and pedestrian traffic.
In case of spillage, wear respirable protection and sweep and collect
And dump in licensed landfill site. Avoid contact with acids.

SAFE STORAGE WITH OTHER CLASSIFIED CHEMICALS



X X X X X X

X: Must not be stored together

O: May be stored together with specific preventions

+ : May be stored together

Section7. HANDLING AND STORAGE

7.1	HANDLING	Avoid contact with skin, wear respirable protection if Excessive dust is released from opened packaging.
7.2	STORAGE	Store in original packaging, under dry conditions. Do not store with acids.

Section8. EXPOSURE CONTROL / PERSONAL PROTECTION

8.1	RESPIRATORY PROTECTION	Not Applicable
8.2	HAND PROTECTION	Not Applicable
8.3	EYE PROTECTION	Not Applicable



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8.4	SKIN PROTECTION	Not Applicable
8.5	ENVIRONMENTAL EXPOSURE CONTROLS	Not Applicable

Section9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 GENERAL INFORMATION

APPEARANCE	Solid Stick
COLOUR	White & Colour
ODOUR	Odourless

9.2 HEALTH, SAFETY AND ENVIRONMENTAL INFORMATION

pH VALUE	8.5 - 9.5 (100 g/l / 20 °C)
MELTING POINT	1340 °C (102 bar)
BOILING POINT	Not applicable
FLASH POINT	Not applicable
EVAPOURATION RATE	Not applicable
FLAMMABILITY	Non-flammable
UPPER/LOWER FRAMMABILITY Or EXPLOSIVE LIMITS	Not applicable
EXPLOSIVE PROPERTIES	Not explosive
VAPOUR PRESSURE	Negligible
VAPOUR DENSITY	Not applicable
RELATIVE DENSITY	2.7 (20 °C)
SOLUBILITY	
A) WATER-SOLUBILITY	0.014 g/l (20 °C) 0.018 g/l (75 °C)
B) FAT-SOLUBILITY	Data not available
PARTITION COEFFICIENT	
N-OCTANOL/H ₂ O	< 1 (estimation)



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AUTO-IGNITION TEMPERRATURE	no self-ignition
DECOMPOSITION TEMPERATURE	> 825 °C
VISCOSITY	Not applicable

Section10. STABILITY AND REACTIVITY

10.1	REACTIVITY	None known
10.2	CHEMICAL STABILITY	Stable
10.3	POSSIBILITY OF HAZARDOUS REACTIONS	None known
10.4	CONDITIONS TO AVOID	Heating above 825°C
10.5	INCOMPATIBLE MATERIALS	Avoid contact with acids
10.6	HAZARDOUS DECOMPOSITION PRODUCTS	Can react with acids under the formation of carbon of carbon dioxide (CO ₂) that can displace oxygen (danger of suffocation).
10.7	FURTHER INFORMATION	None

Section11. TOXICOLOGICAL INFORMATION

Acute/Chronic TOXICITY	Products bearing the CP certified products or AP approved products seals of the art & creative
Skin Corrosion/Irritation	Not available
Serious Eye Damage/Irritation	Not available
Respiratory or skin irritation	Not available
Germ cell mutagenicity	Not available
Carcinogenicity Data	Not available

Section12. ECOLOGICAL INFORMATION

This product has not been evaluated for overall environmental effects

Section13. DISPOSAL CONSIDERATION

Contain and place in approved container. Dispose of per local,state,and federal regulations

Section14. TRANSPORT INFORMATION

DOT Classification(US)	None allocated
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TDG Classification(Canada)	None allocated
ADR/RID Classification(Europe)	None allocated
UN Proper shipping name	None allocated
GGVSee/MDG CODE	None allocated
ICAO/IATA-DGR	None allocated

Section15. REGULATORY INFORMATION

R-phrases	None
S-phrases	None
OSHA harzard communication status	This product is not considered to be a harzardous under OSHA's Federal Harzar Communication Standard 29 CFR 1910.1200

Section16. OTHER INFORMATION

For further product safety information call 82-10-8209-4546

The data are base on the current state of our knowledge, and are intended to describe the product with regard to the requiements of safty. The data sould not be taken to imply any guarantee of a particular or general spection.

It is the responsibility of user of the the product to ensure to his satisfaction that the product is suitable for the intended purpose And method of use.