

Material Safety Data Sheet (MSDS)

1. Chemical Product & Company Informaion

Product Name	NON ASBESTOS JOINT SHEET (TH3000 SHEET)		
Intended Use	sealing material using for protecting leakage of fluids in equipment and Industrial instrument, etc.		
Supplier	TAEHWA KALPA SEAL. Co		
	2L-88B 1727-2, Songjung-Dong, Kangseo-Ku, Busan Korea		
	Telephone : +82-51-831-9944~5	Telefax : +82-51-831-9946	
Email address of person responsible of safety data sheet		taehwa1@taehwa1.com	
Date of Last Issue		2008. 05.	

2. Composition/ Information on Ingredients

Chemical Name	Second Name	CAS No.	Contents (%)
Kaolin	No Data	71011-26-2	45~50
Rubber	No Data	9006-04-06	17~25
Fiber	No Data	No Data	24~30
Other Chemicals	No Data	No Data	2~3

3. Hazards Identification

Chemical Name	Health	Fire	Response	Continuance
Kaolin	U	1	0	No data
Rubber	1	1	0	No data
Fiber	No Data	No Data	No Data	No data
Other Chemicals	No Data	No Data	No Data	No data

1) Overview For Emergency

- ◎ Handle under the appropriate ventilation
- ◎ Handle with care

2) Potential health impact

- ◎ Skin contact : No data
- ◎ Eye Contact : Cause of the stimulus
- ◎ Ingestion : No data

3) Carcinogenesis

ITEM	Kaolin	Rubber	other chemicals	Carbon Fiber	Fiber
Industrial Safety and Health Act	None	None	No Data	No Data	No DATA
OSHA	None	None	No Data	No Data	No DATA
NTP	None	None	No Data	No Data	No DATA
IARC	None	None	No Data	No Data	No DATA

4. First Aid Measures

1) Inhalation : Treat dependently according to the symptom

2) Skin contact : Wash out with plenty of water

3) Eye contact : Wash out with plenty of water

4) Ingestion : Treat dependently according to the symptom.

If necessary, take the medical action.

5. FIRE-FIGHTING MEASURES

- ◎ Fire and explosion risk : Ignorable fire risk even though exposed to a heat or flame
- ◎ Extinguishing foam agent : Powder extinguishing foam agent, CO₂, foam
- ◎ Extinguishment : Use appropriate extinguishing foam agent according to types of fires
- ◎ Harmful combustibles : Emission of toxic gas by pyrolysis

6. ACCIDENTAL RELEASE MEASURES

- ◎ Operative leakage
 - Prevent from inflowing to an outfall
 - Prohibit the entrance except relevant person

7. HANDLING AND STORAGE

Comply with the regulation of government or local self-governing body
in case of the storage of this matter

8. Exposure control / Personal protection

- 1) Control parameters :

No occupational exposure limits proposal established by
the Industrial Safety and Health Act(OSHA, ACGIH or NIOSH)

- 2) Ventilation :

Install the process sealing exhaustion facility in order to comply with the tolerance limit

3) Eye protection :

- Wear safety goggles for dust to protect eye contact by this matter if necessary

4) Emergent eye cleansing :

- In case this matter has the stimulus to worker's eye,
a business owner should equip the cleansing facility near the work place for emergency

5) Protection wear :

- Wear proper protection wear

6) Protection globe :

- Wear proper protection globe where necessary

7) Respiratory protection :

- No Data

9. PHYSICAL AND CHEMICAL PROPERTIES

ITEM	Kaolin	Rubber	other Chemicals	Fiber
Appearance	Solid	Odorless and tasteless amorphous with elasticity	N/A	N/A
Molecular Formula	No Data	(CR-H8)X	N/A	N/A
Boiling Point	N/A	248F	N/A	N/A
Melting Point	N/A	N/A	N/A	N/A
Vapor Pressure	No Data	No Known	N/A	N/A
Vaper Density	N/A	N/A	N/A	N/A
Specific Gravity	1.8	0.92	N/A	N/A
Solubility in water	N/A	insolubility	N/A	N/A
PH	N/A	N/A	N/A	N/A
Odor limit	No Data	N/A	N/A	N/A
Viscosity	No Data	No Data	N/A	N/A

10. STABILITY AND REACTIVITY

- 1) Reactivity : Stable under the normal temperature and normal pressure
- 2) Condition to avoid : Not to be reported

11. TOXICOLOGICAL INFORMATION

1) Infectious toxicity level

: enough data

2) Target organ effect

: No Data

3) Health Effect

■ Inhalation

'– Chronic exposure : No effect to be reported

■ Skin contact

– No Data

■ Eye contact

'– Might be the cause of stimulus

■ Ingestion

– No Data

12. ECOLOGICAL INFORMATION

- ⊙ Ecological effect index(0~4) : No data
- ⊙ Acute toxic in aquatic environment : No data
- ⊙ Resolvability : No data
- ⊙ Log Bio Cumulated Factor : No data
- ⊙ Log Organol/Water Distribution Coefficient : No data

13. DISPOSAL CONSIDERATIONS

To comply with the relevant rule of ecology

14. TRANSPORT INFORMATION

- A. The Ships Safety Act : not applicable
- B. Caution when transport : Not mixing with moisture like water.
- C. Other Foreign Countries' Safety Act : not applicable

15. REGULATORY INFORMATION

⊙ Korea

- Law of Industrial Safety : Threshold Limit Value
- Law of management of Harmful Chemical Substances : Not defined
- Fire Services Act : Not defined

⊙ United States

- * TSCA : United States
- * Article 103 of CERCLA (40 CFR 302.4): Not defined
- * Article 302 of SARA (40 CFR 355.30): Not defined
- * Article 304 of SARA (40 CFR 355.40): Not defined
- * Article 313 of SARA (40 CFR 372.65): Not defined
- * OSHA process safety management (29 CFR 1910.119) : Defined
- * California foundation 65: Not defined
- * SARA hazard scope: SARA 311–312 (40 CFR 370.21)
- Acute hazard : None
- Chronic hazard : None
- Fire risk : None
- Reactivity risk : None
- Sudden effusion risk : None

16. Other information

The information contained herein is prepared based on the Matter Safety Data Sheet which is provided from Korea Industrial Safety Corporation. It is not guarantee for the legal responsibility of toxic chemicals and only for the research and identification by company.