

MATERIAL SAFETY DATA

ITEM – BUTYL
(Butyl Rubber Tape)

Emergency Telephone Number

031-353-1609 (24 hours)

Date : 2010.01.01.

(Issued date :2010.01.01)

1. Information for Chemical product and Manufacturing

A. Item : Butyl Rubber Tape

B. Normal character :

- Strong of adhesion solid (black or grey)
- weather resistance, thermal endurance, durability of abrasion, block for electricity : excellent
- CAS NO. : 9020-85-9
- Idomatic/ Item : Isobutylene- Isoprene union of compound tape substance

C. Maleficence : Nothingness

D. Useful product : Mutual connection Seal In, Electron damper, Architecture, Public works plumbing connection Seal

E. Information for Manufacturer :

- Jeail tech Inc

F. Supplier / Distributer information :

G. Complited department and name : Butyl Rubber production department

- 전화번호: 031-353-1609
- FAX : 031-352-1688

아. Completed date : 2010.01.01

2. Constituent title and content

A. Chemicals title : Isobutylene- Isoprene Copolymers

B. Substance:

C. CAS No : 9020-85-9

D. Constituent(content) : Isobutylene- Isoprene, Polybutylene, Carbon, Calcium Carbonate
Process Oil, Others

3. Maleficence / Dangerousness

- A. Urgent / Dangerousness information
 - low dangerous. But It could be made concoction
 - It could be combustibles with(250 Deg C) within the flashing
 - it could be made toxicity gas when It is combusted
- B. Effected to eye :
 - Nothingness. Because of rare soild
- C. Effected to skin :
 - Nothingness daily life
 - It could be happened to burn of skin when the product is hot
- D. Effected to breath :
 - Nothingness
- F. Effected to ingestion :
 - Nothingness
- G. Chronic sign and symptom :
 - Nothingness

4. Expediency

- A. Get an eyefull
 - elimination immediately
 - It keeps stimalate : medical treatment
- B. Contact of skin
 - If it burns form hot products 1. soak to cold water
 - 2. warp to clean fabrice
 - 3. medical treatment
- C. Breathing in
 - Nothingness
- D. Having in
 - Nothingness
- E. Matters require of Doctor
 - Nothingness

5. Alternative method for Explosion and Fire

- A. Fire and Explosion : Slight dangerous
- B. Flashing : 250 Deg C
- C. Spontaneous combustion : No data
- D. Min/Max explosion mixfure limit : No data
- E. The fire Services Act: No data
- F. Exthinguushing : pouder type, carbon dioxide, water, nomal foam
- G: Extingushing method equipment
 - Fire : use by water
- H. Toxic substance : If it is lack of the oxygen monoxide, It could be made magnetic smog and carbon monoxide
- I. Notice to use exthinguishing : No data

6. Alternative for leakage

Soil leakage

- A. Protect for human
 - Nothingness
- B. Protect for enviroment
 - Nothingness
- C. Purutication or Elimination
 - Pick up leaked goods
 - Storage to contaner
 - Recycling or disuse

Ocean leakage

- A. Nothingness to body, environment, purification, elimination

7. Instrution and Storage

- A. Safety instruction
 - Keep (–18~38 Deg C) when It is transportation
- B. Storage
 - Inside (–18~38 Deg C)
 - inside : warp alloplasm, outside : warp box

8. Protection for Exposure and persnal protecter

- A. The method of engineered :
- B. Respiratory organ : Nothingness
- C. Protect to eye : wear protect eyeglasses
- D. Protect to hands :
- F. Protect to body : wear afety gloves
- G. Hygiene : Nothingness
- H. Standard of exposure : Nothingness

9. Physics and Chemicals charater

- | | |
|---------------------------------|---|
| A. Appearance | Strong of adhesion soild (black and grey) |
| B. Smell | Slight smell of pine resin |
| C. Cold resistance point | –30 Deg C |
| D. Heat resistance point | 140 Deg C |
| E. Phosphid resistance poi | 250 Deg C |
| F: Specific gravity (15 Deg | 1.2~1.25 @ 20 C |
| G. Tension | 5.1 kgf/cm |
| H: Viscosity | 2.1 cP @ 25 C |
| I: Lead neuritis | 68% |
| J. Solubility (water, 20 Deg C) | |
| K. PH | Nothingness |
| L: Explosiveness limit | Nothingness |
| M: Oxidative | Nothingness |
| N: Vapour density | Nothingness |

10. Stability and Reativity

A. Chemical stability	Stable(Solid)
B. Wrong things	Nothingness
C. Resolving substance	Combustibles hydrocarbon
D. Toxic substance	Nothingness

11. Toxicity

A. Oral toxicity	No dangerousness
B. Breathe toxicity	No dangerousness
C. Substance toxicty	No dangerousness
D. Chronic toxicity	No dangerousness
E. Mutage nictiy	No dangerousness
F. Carcinogenic	No dangerousness
G. Others	No dangerousness

12. Effectted to Environment

A. Aquatic	Nothingness
B. Soil	Nothingness
C. Residual resolvability	Nothingness
D. Accumulation to an oragnism	Nothingness

13. Disuse the requirement

It mixed that It could be needed other substance

- Disposal of waste matter for regulation
- Disuse method : recycling possible
- Disuse the require : Keep to regulation

14. Information for needed transpotion

- A. The Ships Safety Act Classification and regulation
- B. Matter to Transportation
- C. Classification and regulation by foregin regulation

- * Track, roal :
- ADR/RID :
- DANGER NUMBER :
- DANGER LABEL :
- MAX. KG EXEMPT :
- Signature :
- Item :
- * Domesice ocean transportation (AND/R) :
- AND/R :
- Effector :
- Substance No :
- TREMCARD NO :

15. Current state regulation by law
--

- A. Regulation by domestic law
- Law for industrial safety : Nothingness
 - Law for High-pressure gas : Nothingness
 - Law for the Fire Services Act : Nothingness
 - Law for the preservation of water : Nothingness
 - Law for the Sea pollution : Nothingness
 - Law for the minus environment
- B. Law for the regulation by other foreign : Nothingness

16. Other reference

- A. Reported by : KOREA INDUSTRIAL SAFETY CORPORATION, KISCO
- B. Literature cited
- C. MSDS is not allowed to sale for commercial purpose

[Butyl Rubber]

al In