

MATERIAL SAFETY DATA SHEET

SUN ACE KAKOH PTE LTD
34 TANJONG PENJURU, JURONG TOWN
SINGAPORE 609030

TEL : (65) - 6264 0255
FAX : (65) - 6265 7038

Contact person: Chemists (Technical Department)

1. PRODUCT IDENTIFICATION

Product name : Calcium Zinc complex
Chemical name : Mixture
Chemical family : Mixture
Manufacturer's code : SAK-CZL361-NP
Use : PVC stabiliser and lubricant

2. COMPOSITION/INFORMATION ON INGREDIENT

<u>Chemical name</u>	<u>Approx. %</u>	<u>Hazard data</u>
Calcium and Zinc	(Trade Secret)	TLV 92 – 93 : 10mg/m ³ (as stearate)

3. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Powder
Odour : Not determined
Solubility in water : Insoluble
Boiling point (°C) : Not determined
Melting point (°C) : 100 (slight melt)
Vapour pressure (mm of Hg at 25°C) : Not determined
Volatile percentage (as water) : < 2 %
Evaporation rate : Not determined
Vapour density : Not determined
Specific gravity : Not determined

4. HAZARD IDENTIFICATION

Toxic : None known, product is of relatively low toxicity

5. FIRST AID MEASURES

Eye contact : Wash with clean water
Skin contact : Wash with clean water
Inhalation : Remove from exposure, seek medical advice if necessary
Ingestion : Seek medical advice

REF. NO. : M206/A

ISSUED DATE : 02/03/2009

REV. NO. : 02

REV. DATE : 12/04/2012

6. FIRE FIGHTING MEASURES

Flash point	: Not determined
Auto ignition temperature	: Not determined
Flammable limit (%)	: Not determined
Fire & explosion hazards	: Zinc oxide, calcium oxide and carbon monoxide
Extinguishing media	: Foam, dry powder and CO ₂
Special fire fighting procedure	: Avoid high pressure spray; this may cause spattering and spread the fire. Avoid dust cloud which forms explosion hazard. Firemen should equip with safety protective equipment

7. ACCIDENTAL RELEASE MEASURES

Spillage	: Remove by vacuum cleaner, or cover with damp sand or saw dust if sweep
----------	--

8. HANDLING AND STORAGE

Handling	: Open packaging bag carefully, avoid spillage, wash hand after handling
Storage	: Store in cool, dry place. Ground all equipment containing material. Avoid exposure to sunlight and keep away from food & beverage.

9. EXPOSURE CONTROL/PERSON PROTECTION

Exposure limit	: 10mg/m ³ (TWA1992-93 as stearate)
Ventilation	: Use adequate ventilation to prevent dust and comply with TLV
Personal protective	
Respiratory	: Dust respirator
Eye	: Goggle recommended but not essential
Gloves	: Recommended
Clothing	: Overall or dust cloth, change daily

10. STABILITY AND REACTIVITY

Stability	: Stable under normal condition of storage & transport
Incompatibility (material to avoid)	: Can react with strong acids
Hazardous decomposition products	: Zinc oxide, calcium oxide and carbon monoxide
Hazardous polymerisation	: Will not occur

11. TOXICOLOGICAL INFORMATION

Acute toxicity

LD50 oral : No information
LD50 dermic : No information
Chronic toxicity : Not determined

Further toxicological information

Eye contact : May cause irritation
Skin contact : May cause irritation
Inhalation : May cause irritation of the respiratory system
Ingestion : May cause moderate gastrointestinal discomfort if swallowed. Large dose may cause abdominal spasms and diarrhea.

12. ECOLOGICAL INFORMATION

Mobility : No information
Bioaccumulation : No information
Biodegradability : No information

13. DISPOSAL CONSIDERATION

Disposal : Dispose to local regulation and act

14. TRANSPORTATION INFORMATION

UN no. : Not classified
T.D.G. Classification : Not classified
Packing group : Not classified
Special shipping instructions : Not classified

15. REGULATORY INFORMATION

Classification : Not classified
Risk phrases : R22 – Harmful if swallowed
Safety phrases : S44 – If you feel unwell, seek medical advice
S28 – After contact with skin, wash immediately with plenty of water and soap.

Other regulations, restrictions and prohibiting stipulations : Handle in accordance with good industrial hygiene and safety practice.

16. OTHER INFORMATION

None

"To the best of our knowledge the information contained herein is correct at the time of writing, and it is subject to change without prior notice. All chemicals may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist. Final determination of suitability of the chemical is the sole responsibility of the user. Users of any chemical should satisfy themselves that the conditions and methods of use assure that the chemical is used safely.

No warranty expressed or implied is made as to the accuracy, completeness of the information contained herein."

REF. NO. : M206/A

ISSUED DATE : 02/03/2009

REV. NO. : 02

REV. DATE : 12/04/2012