

**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**

Trade name : SAK-ZS (all grade)  
 Chemical name : Zinc stearate  
 Product class : Lubricant  
 CAS no. : 557-05-1

**2. COMPOSITION / INFORMATION ON INGREDIENTS**

<u>Ingredients</u>	<u>Approx. %</u>	<u>Exposure Limit</u>
Zinc stearate	>99	TLV 1987 : 5 mg/m <sup>3</sup> , ZnO fume TLV 1987 : 10 mg/m <sup>3</sup> , ZnO dust

**3. PHYSICAL DATA**

Appearance : Fine white powder or granule  
 Melting point : 118 - 125 °C  
 Specific gravity : 1.1  
 Solubility in water : Insoluble  
 Percent volatile by weight (as water) : < 1%

**4. FIRE AND EXPLOSION HAZARD DATA**

Flash point : -  
 Fire & explosion hazards : Zinc oxide fume and carbon monoxide  
 Extinguishing media : Foam, water, dry powder  
 Special fire fighting procedure : Avoid high pressure spray, avoid dust cloud which form explosion hazard

**5. HEALTH HAZARD DATA**

Effect of overexposure

Eye contact : May cause irritation  
 Skin contact : None known  
 Inhalation : May cause irritation of the respiratory system  
 Ingestion : None known, product is of low toxicity

Emergency & first aid procedure

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

## 6. REACTIVITY DATA

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

## 7. SPILL OR LEAK PROCEDURE

Spillage	: Remove by vacuum cleaner or cover with damp sand or sawdust if sweep
Disposal	: According to local regulation and act

## 8. SPECIAL PROTECTION INFORMATION

Ventilation	: Use adequate ventilation to prevent dust
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Protective Equipment

Respiratory	: Dust respirator
Eye	: Recommended but not essential
Gloves	: Recommended
Clothing	: Overall or dust cloth, change daily

## 9. SPECIAL PRECAUTIONS

Storage	: cool, dry, avoid exposure to sunlight
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- Open packaging bag carefully, avoid spillage
- Wash hand after handling and keep away from food

"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."