Material Safety Data Sheet

Date Printed: 15/DEC/2004 Date Updated: 13/MAR/2004 Version 1.2 According to 91/155/EEC

1 - Product and Company Information

Product Name Product Number		ZINC ACS Z1376	REAGENT	GRANULAR, -	10 + 50 MESH
Company		-	e 118529	e Ltd Narehouse	
Technical Phone # Fax		65 271 1 65 271 1	089		
2 - Composition/I	nformation	on Ingred	ients		
Product Name		CA	s #	EC no	Annex I Index Number
ZINC GRANULES		74	40-66-6	231-175-3	
Formula Molecular Weight Synonyms	Blue powde			* LS 2 * LS nc dust * Zi	
3 - Hazards Ident	ification				

SPECIAL INDICATION OF HAZARDS TO HUMANS AND THE ENVIRONMENT Not hazardous according to Directive 67/548/EC.

4 - First Aid Measures

AFTER INHALATION
If inhaled, remove to fresh air. If breathing becomes difficult,
call a physician.

AFTER SKIN CONTACT
In case of contact, immediately wash skin with soap and copious
amounts of water.

AFTER EYE CONTACT
In case of contact with eyes, flush with copious amounts of
water for at least 15 minutes. Assure adequate flushing by
separating the eyelids with fingers. Call a physician.
AFTER INGESTION

If swallowed, wash out mouth with water provided person is conscious. Call a physician.

5 - Fire Fighting Measures

EXTINGUISHING MEDIA Suitable: Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.

CDECTAL DIGUS					
SPECIAL RISKS Specific Hazard(s):	Emits toxic fumes under fire conditions.				
	IPMENT FOR FIREFIGHTERS breathing apparatus and protective clothing with skin and eyes.				
6 - Accidental Release Measures					
	AL PRECAUTION(S) e precautions to minimize direct contact with event inhalation of dust.				
	P a bag and hold for waste disposal. Avoid late area and wash spill site after material				
7 - Handling and Storag	де				
	Handling: Avoid inhalation. Avoid contact d clothing. Avoid prolonged or repeated				
STORAGE Conditions of Storag	ge: Keep tightly closed.				
8 - Exposure Controls ,	/ Personal Protection				
ENGINEERING CONTROLS Safety shower and ey	ye bath. Mechanical exhaust required.				
GENERAL HYGIENE MEASURE Wash thoroughly afte					
PERSONAL PROTECTIVE EQU Respiratory Protection Hand Protection: Pro Eye Protection: Cher	ion: Wear dust mask.				
9 - Physical and Chemic	cal Properties				
Appearance	Physical State: Solid Color: Grey				
Property	Value At Temperature or Pressure				
pH BP/BP Range MP/MP Range Flash Point Flammability Autoignition Temp Oxidizing Properties Explosive Properties Explosion Limits Vapor Pressure SG/Density	N/A N/A 419.5 °C N/A N/A N/A N/A N/A N/A 7.14 g/cm3				
Partition Coefficient Viscosity	N/A N/A				

Vapor Density	N/A
Saturated Vapor Conc.	N/A
Evaporation Rate	N/A
Bulk Density	N/A
Decomposition Temp.	N/A
Solvent Content	N/A
Water Content	N/A
Surface Tension	N/A
Conductivity	N/A
Miscellaneous Data	N/A
Solubility	N/A

10 - Stability and Reactivity

STABILITY Stable: Stable. Materials to Avoid: Zinc reacts with acids, strong alkalies, chlorides, chlorates, oxides, nitrates, fluorine, and carbon disulfide. The presence of moisture can result in spontaneous combustion HAZARDOUS DECOMPOSITION PRODUCTS Hazardous Decomposition Products: Zinc/zinc oxides, Zinc oxide fumes may also form. HAZARDOUS POLYMERIZATION Hazardous Polymerization: Will not occur 11 - Toxicological Information RTECS NUMBER: ZG8600000 IRRITATION DATA Skin Human 0.3 mg 3D Т Remarks: Mild irritation effect SIGNS AND SYMPTOMS OF EXPOSURE Inhalation of zinc fumes may result in sweet taste, throat dryness, cough, weakness, generalized aching, chills, fever, nausea, vomiting and purging. ROUTE OF EXPOSURE Skin Contact: May cause skin irritation. Skin Absorption: May be harmful if absorbed through the skin. Eye Contact: May cause eye irritation. Inhalation: May be harmful if inhaled. Material may be irritating to mucous membranes and upper respiratory tract. Ingestion: May be harmful if swallowed. 12 - Ecological Information No data available. 13 - Disposal Considerations

SUBSTANCE DISPOSAL Material in the elemental state should be recovered for reuse or recycling. Observe all federal, state, and local environmental regulations.

14 - Transport Information

RID/ADR

Non-hazardous for road transport.

IMDG

Non-hazardous for sea transport.

IATA

Non-hazardous for air transport.

15 - Regulatory Information

Not hazardous according to Directive 67/548/EC.

SWITZERLAND

SWISS POISON CLASS: FREI

16 - Other Information

WARRANTY

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Sigma-Aldrich Inc., shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale. Copyright 2004 Sigma-Aldrich Co. License granted to make unlimited paper copies for internal use only.

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