

SAFETY DATA SHEET ZINC CARBONATE

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

PRODUCT NAME	ZINC CARBONATE
APPLICATION	Hydrogen sulphide scavenger.
SUPPLIER	M-I SWACO. Holburn House, 475-485, Union Street, Aberdeen. AB11 6DB Scotland. UK T = +44 (0)1224-336336 F = +44 (0)1224-336351 E-mail = MBXMSDS-EH@miswaco.com
EMERGENCY TELEPHONE	(24 Hour) Europe +44 (0) 208 762 8322, Asia Pacific +65 633 44 177, China +86 10 5100 3039, Middle East and Africa +961 3 487 287.

2 HAZARDS IDENTIFICATION

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

CLASSIFICATION N;R50/53.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
ZINC OXIDE	215-222-5	1314-13-2	30-60%	N;R50/53
ZINC CARBONATE	222-477-6	3486-35-9	30-60%	N;R50/53.

The Full Text for all R-Phrases are Displayed in Section 16

COMPOSITION COMMENTS

The data shown is in accordance with the latest EC Directives.

4 FIRST-AID MEASURES

INHALATION

Move the exposed person to fresh air at once. If respiratory problems, artificial respiration/oxygen. Get medical attention if any discomfort continues.

INGESTION

Immediately give a couple of glasses of water or milk, provided the victim is fully conscious. Get medical attention if any discomfort continues.

SKIN CONTACT

Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention promptly if symptoms occur after washing.

EYE CONTACT

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Use fire-extinguishing media appropriate for surrounding materials.

SPECIFIC HAZARDS

Fire or high temperatures create: Vapours/gases/fumes of: Carbon dioxide (CO₂).

PROTECTIVE MEASURES IN FIRE

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

ZINC CARBONATE

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Wear protective clothing as described in Section 8 of this safety data sheet.

ENVIRONMENTAL PRECAUTIONS

Do not allow to enter drains, sewers or watercourses.

SPILL CLEAN UP METHODS

Avoid generation and spreading of dust. Shovel into dry containers. Cover and move the containers. Flush the area with water.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Avoid inhalation of dust and contact with skin and eyes.

STORAGE PRECAUTIONS

Store in tightly closed original container in a dry, cool and well-ventilated place.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

INGREDIENT COMMENTS

NUI = Nuisance dust, WEL TWA 4mg/m³ Respirable Dust, 10 mg/m³ Total Dust.

PROTECTIVE EQUIPMENT



ENGINEERING MEASURES

Provide adequate general and local exhaust ventilation.

RESPIRATORY EQUIPMENT

Respiratory protection must be used if air contamination exceeds acceptable level. Dust filter P2 (for fine dust).

HAND PROTECTION

For prolonged or repeated skin contact use suitable protective gloves. Butyl rubber. or Nitrile gloves are recommended.

EYE PROTECTION

Wear dust resistant safety goggles where there is danger of eye contact.

OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of skin contact. Provide eyewash station.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Powder, dust		
COLOUR	Light (or pale) Grey		
ODOUR	Odourless		
SOLUBILITY	Insoluble in water Soluble in Mineral acids (some).		
MOL. WEIGHT	125.38	RELATIVE DENSITY	3.3 - 3.6 g/cm ³ @ 20° C
BULK DENSITY	~ 600 kg/m ³	pH-VALUE, DILUTED SOLUTION	-10 @ 100g/l
SOLUBILITY VALUE (g/100g H ₂ O@20°C)	< 2mg/l		

10 STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions and recommended use.

MATERIALS TO AVOID

Avoid: Contact with alkalis. and Strong acids.

HAZARDOUS DECOMPOSITION PRODUCTS

Fire or high temperatures create: Vapours/gases/fumes of: Carbon dioxide (CO₂).

ZINC CARBONATE

11 TOXICOLOGICAL INFORMATION

INHALATION

Dust may irritate respiratory system or lungs.

INGESTION

May cause discomfort if swallowed.

SKIN CONTACT

Powder may cause mechanical irritation to skin.

EYE CONTACT

Particles in the eyes may cause irritation and smarting.

12 ECOLOGICAL INFORMATION

ECOTOXICITY

Contact M-I Swaco's QHSE Department for ecological information.

13 DISPOSAL CONSIDERATIONS

DISPOSAL METHODS

Recover and reclaim or recycle, if practical. Dispose of waste and residues in accordance with local authority requirements. This material and its container must be disposed of as hazardous waste.

14 TRANSPORT INFORMATION



UK ROAD CLASS	9		
PROPER SHIPPING NAME	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (ZINC OXIDE, ZINC CARBONATE)		
UN NO. ROAD	3077	UK ROAD PACK GR.	III
ADR CLASS NO.	9	ADR CLASS	Class 9: Miscellaneous dangerous substances and articles.
ADR PACK GROUP	III	HAZARD No. (ADR)	90
HAZCHEM CODE	2Z	CEFIC TEC(R) NO.	90GM7-III
RID CLASS NO.	9	RID PACK GROUP	III
UN NO. SEA	3077	IMDG CLASS	9
IMDG PACK GR.	III	EMS	F-A, S-F
MARINE POLLUTANT	No.	UN NO. AIR	3077
AIR CLASS	9	AIR PACK GR.	III

15 REGULATORY INFORMATION

LABELLING



Dangerous for the environment

RISK PHRASES

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

SAFETY PHRASES

S60 This material and its container must be disposed of as hazardous waste.

S61 Avoid release to the environment. Refer to special instructions/safety data sheets.

ZINC CARBONATE

UK REGULATORY REFERENCES

Chemicals (Hazard Information & Packaging) Regulations.

EU DIRECTIVES

Dangerous Substance Directive 67/548/EEC. Dangerous Preparations Directive 1999/45/EC.

GUIDANCE NOTES

Workplace Exposure Limits EH40.

16 OTHER INFORMATION

INFORMATION SOURCES

Product information provided by the commercial vendor(s). Micromedex. European Chemicals Bureau - ESIS (European Chemical Substances Information). Material Safety Data Sheet, Misc. manufacturers.

REVISION COMMENTS

General revision. Compiled or revised by Sandra McWilliam

ISSUED BY

Bill Cameron

REVISION DATE 28-09-07

REV. NO./REPL. SDS GENERATED 3

SDS NO. 11079

RISK PHRASES IN FULL

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

DISCLAIMER

MSDS furnished independent of product sale. While every effort has been made to accurately describe this product, some of the data are obtained from sources beyond our direct supervision. We cannot make any assertions as to its reliability or completeness; therefore, user may rely only at user's risk. We have made no effort to censor or conceal deleterious aspects of this product. Since we cannot anticipate or control the conditions under which this information and product may be used, we make no guarantee that the precautions we have suggested will be adequate for all individuals and/or situations. It is the obligation of each user of this product to comply with the requirements of all applicable laws regarding use and disposal of this product. Additional information will be furnished upon request to assist the user; however, no warranty, either expressed or implied, nor liability of any nature with respect to this product or to the data herein is made or incurred hereunder.