

Product: MIXLAND+ ZEPC 80% GA

Version: 1 Date: 06/10/2009

Cancels and replaces version 0 of 06/10/2009

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01 - IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY / UNDERTAKING

PRODUCT NAME ZINC,BIS(ETHYLPHENYLCARBAMODITHIOATO-S-S')

SUPPLIER MLPC International

209 Avenue Charles DESPIAU 40370 RION DES LANDES

Tel: 33-5-58-57-02-00 (International) 05-58-57-02-00 (France) Fax: 33-5-58-57-02-05 (International) 05-58-57-02-05 (France)

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ORPHILA 33-1-45-42-59-59 (International) 01-45-42-59-59 (France)

02 - HAZARDS IDENTIFICATION

MOST IMPORTANT HAZARDS SAFETY INFORMATIONS : PLEASE READ THIS SHEET CAREFULLY

HEALTH EFFECTS May cause sensitization by skin contact.

PHYSICAL AND CHEMICAL HAZARDS In contact with acids, liberates toxic gases (SOx and NOx).

SPECIFIC HAZARDS / EC IRRITANT Irritating to eyes.

03 - COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME OF THE SUBSTANCE Zinc-bis(N-ethyl-N-phenyldithiocarbamate)

GENERIC NAME Vulcanising accelerator.

CAS 14634-93-6 ZINC,BIS(ETHYLPHENYLCARBAMODITHIOATO-S-S')

PARAFFINIC OIL THERMOPLASTIC

EINECS / ELINCS 238-677-1 ZINC,BIS(ETHYLPHENYLCARBAMODITHIOATO-S-S')

PARAFFINIC OIL THERMOPLASTIC

TSCA Listed

CHEMICAL NATURE OF THE PREPARATION DISPERSION OF ZINC, BIS(DIBUTYLCARBAMODITHIOATO-S-S') (80 %) IN

ELASTOMER

ADDITIVES Paraffinic oil (10 %) PCA's (IP346) < 3%

No CE labelling

HAZARDOUS COMPONENTS ZINC,BIS(DIBUTYLCARBAMODITHIOATO-S-S') (80 %)

CHEMICAL FORMULA C18-H20-N2-S4-Zn

04 - FIRST AID MEASURES

GENERAL ADVICE

INHALATION Move to fresh air.

Consult a doctor.

SKIN CONTACT Wash immediately and abundantly with water.

In case of important contact : seek a medical advice.

EYE CONTACT Wash immediately and abundantly with water for at least 15 minutes.

If irritation persists, consult an ophthalmologist.

INGESTION Get a medical help.

05 - FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA Water spray, foam, dry powder. EXTINGUISHING MEDIA WHICH ARE NOT SUITABLE All other extinguishants.

SPECIFIC HAZARDS Thermal decomposition in : SOx, NOx. SPECIFIC METHODS Remove the combustible products.

Hose down gases / fumes / dust with water spray.

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SPECIAL PROTECTIVE EQUIPMENT FOR

**FIREFIGHTERS** 

Wear a self-contained breathing apparatus.

**06 - ACCIDENTAL RELEASE MEASURES** 

PERSONAL PROTECTION Avoid contact with skin, eyes and inhalation of dust.

ENVIRONMENTAL PROTECTION Do not let the product enter into drains.

Do not contaminate surface water.

METHODS FOR CLEANING UP

Recovery

Shovel up.

Recover the product and place in a dry labelled container.

Disposal To eliminate in an authorized incineration station or otherwise in compliance with law

enforced regulations.

07 - HANDLING AND STORAGE

HANDLING

Technical measures / Precautions Storage and handling precautions applicable to products: DUST FORMING.

Provide appropriate exhaust and ventilation at machinery.

Provide appropriate device to allow to rinse eyes.

Safe handling advice If dust is formed, wear a dust mask.

STORAGE

Technical measures / Storage conditions Store protected from moisture and heat.

Incompatible products Oxidants, strong acids.

PACKAGING MATERIALS

Recommended Boxes with polyethylene liner or polyethylen bags...

08 - EXPOSURE CONTROLS / PERSONAL PROTECTION

PROTECTIVE PROVISIONS Provide sufficient air exchange and/or exhaust in work areas.

CONTROL PARAMETERS

Exposure limits MAK value : 6 mg/m3

PERSONAL PROTECTION EQUIPMENT .

Respiratory protection Dust mask.

Hand protection Gloves.

Eye protection Safety glasses.

Skin and body protection Protective clothing.

Specific hygiene measures Maintain strict body hygiene.

Avoid contact with skin, eyes and inhalation of dust.

09 - PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE (20°C) Solid. COLOR White. ODOUR Nil.

pH Not applicable.

BOILING POINT / RANGE Not applicable.

MELTING POINT / RANGE 200 - 215℃

FLASH POINT No data available.

EXPLOSIVE LIMITS .

Lower No data available.

Higher No data available.

BULK DENSITY 1250 kg/m3 (20 ℃)

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SOLUBILITY

Water Insoluble when cold

Solvents Chloroform.

10 - STABILITY AND REACTIVITY

CONDITION TO AVOID Store protected from moisture and heat.

MATERIALS TO AVOID Oxidants, strong acids.

HAZARDOUS DECOMPOSITION PRODUCTS Nil.

FURTHER INFORMATION Thermal decomposition in toxic products: SOx, NOx

11 - TOXICOLOGICAL INFORMATION

ACUTE TOXICITY .

Inhalation No data available.

Ingestion LD50 / oral / rat : 7200 mg/kg

Skin-contact No data available.

LOCAL EFFECTS .

Inhalation Dust inhalation may cause alcohol intolerance.

Skin-contact Prolonged or repeated contact with skin can cause eczema-like dermatitis.

Eye-contact DRAIZE assay (eyes, rabbit): 500 mg/24 hours.

SENSITIZATION .

Skin-contact Risk of skin sensitization.

FURTHER INFORMATION Antabuse effect.

12- ECOLOGICAL INFORMATION

- NO INFORMATION AVAILABLE

13 - DISPOSAL CONSIDERATIONS

DISPOSAL OF PRODUCT

To eliminate in an authorized incineration station or otherwise in compliance with law

enforced regulations.

DISPOSAL OF PACKAGING

To eliminate as industrial or dangerous disposals in function of the nature and degree of

pollutions.

14 - TRANSPORT INFORMATION

ADR / RID Not regulated.

IMDG Not regulated.

IATA Not regulated.

15 - REGULATORY INFORMATION

EEC DIRECTIVE

SAFETY DATA SHEETS D.91/155/EEC amended by D.2001/58/CE: Dangerous substances and preparations.

EC CLASSIFICATION / LABELLING D. 2001/59/EEC amended by D. 2004/73/EEC : (29 rd APT)

HAZARDOUS SUBSTANCES Xi (IRRITANT)

R 36 Irritating to eyes.

S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical

advice.

S 39 Wear eye / face protection.

Nr in ANNEX Not listed.

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EC Nr (ENEICS / ELINCS) 238-677-1

SAFETY DATA SHEET D.2001/58/EC du 27/07/2001

HAZARDOUS SUBSTANCES Arrêté du 9 novembre 2004 définissant les critères de classification et les conditions

d'étiquetage et d'emballage des substances et transposant la directive 1999/45/CE du

Parlement européen et du Conseil du 31 mai 1999.

OCCUPATIONAL DISEASES France : Code de la Sécurité Sociale : article L461-4, tableau N°65.

FOOD STUFFS FDA: not listed.

BfR : approved (XXI categorie 1).

INVENTORIES DSL / NDSL (CANADA) : listed N° 33720

16 - OTHER INFORMATION

RECOMMENDED USES Vulcanising accelerator.

BIBLIOGRAPHY REFERENCES Toxicity and safe handling of rubber chemicals (BRMA 1999).

Dangerous properties of industrial chemicals (SAX 6th edition). Registry of toxic effects of chemicals substances (RTECS of NIOSH).

Aquatic toxicology (VAN LEEUWEN 1985).

INRS documentation.

Chemical Name : Zinc-bis(N-ethyl-N-phenyldithiocarbamte)

Risk Phrases R36

This information applies to the PRODUCT AS SUCH and conforming to specifications of MLPC International.

In case of formulations or mixtures, it is necessary to ascertain that a new danger will not appear.

The information contained is based on our knowledge of the product, at the date of publishing and it is given quite sincerely. However the revision of some data is in progress.

Users are advised of possible additional hazards when the product is used in application for which it was not intended. This sheet shall only be used and reproduced for prevention and security purposes.

The references to legislative, regulatory and codes of practice documents cannot be considered as exhaustive.

It is the responsibility of the person receiving the product to refer to the totality of the official documents concerning the use, the possession and the handling of the product.

It is also the responsibility of the handlers of the product to pass on to any subsequent persons who will come into contact with the product.

The (\*) indicate the modifications compared to the previous version.