

Room 501,2-3 Unit No.8,Zhengzhou Road,Qingdao,China. TEL: <u>86 18661665800</u> Email: <u>Dana@ylsch-rbb.com</u> Website: <u>www.ylsch-rbb.com</u>

MATERIAL SAFETY DATA SHEET

: According to EC-directive 2001/58/EC

Rubber Accelerator MBTS (DM) HS Code: 29342000.90

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product label name 2,2'-dibenzothiazyl disulfide

Qingdao YLSCH Industry&Trade Co.,Ltd

Supplier Room 501,2-3 Unit. No.8,Zhengzhou Road,

Qingdao, China.

TEL: +86 18661665800

Emergency telephone TEL: +86 18661665800

Intended use Rubber Vulcanization Accelerator

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name

2,2'-dibenzothiazyl disulfide

CAS NO. 120-78-5

Chemical description Gray-white granule

TSCA NO. none

EINECS NO. none

Other information C₁₄H₈N₂S₄

3. HAZARDS IDENTIFICATION

Repeated contact may cause skin sensitization. Very toxic to aquatic organisms, May cause long-term adverse effects in the aquatic environment.

4. FIRST AID MEASURES

Dust may be irritating to the respiratory tract and cause symptoms of

Symptoms and effects bronchitis.

Repeated contact may cause skin sensitization.

First aid

General In all cases of doubt, or when symptoms persist, seek medical attention.



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Inhalation Move to fresh air. If symptoms persist, seek medical advice.

Remove all contaminated clothing immediately. Wash off with plenty of

Skin soap and water.

Seek medical advice if irritation develops. Launder clothes before reuse.

Eye Rinse thoroughly with plenty of water. Eyelids should be held away from

the eyeball to

Ensure thorough rinsing. Seek medical advice if irritation develops.

Do not allow run-off from fire fighting to enter drains or water courses.

IngestionRinse mouth, give water to drink.Advice to physicianNo specific recommendations.

5. FIRE-FIGHTING MEASURES

Other information

Extinguishing mediaWaterspray, water mist, foam, dry chemical powder, CO2Unsuitable extinguishing mediaNone knownSpecial exposure hazardsEmits toxic fumes under fire conditions.Hazardous decomposition/Combustion productsCarbon monoxide (CO), Sulfur oxides (SOx), nitrous gases (NOx).Protective equipmentWear self contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions
generation.

Environmental precautions
Avoid discharge into the environment.

Collect as much as possible in a clean container for (preferable) reuse or disposal.

7. HANDLING AND STORAGE

Handling

Avoid contact with skin.
The usual precautions for handling chemicals should be observed.

No specific recommendations.

Storage requirements

Store in a dry and cool place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls

Avoid dust generation. Ensure good ventilation and local exhaustion of the working area.

Exposure limits



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Name: 2,2'-dibenzothiazyl disulfide OES-TWA 5.0 mg/m3

Personal protection

Respiratory Avoid breathing dust. In case of insufficient ventilation, wear

suitable respiratory equipment.

HandWear suitable gloves.EyeWear safety goggles.

Skin and bodyWear suitable protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Gray white granule	Colour	Gray white
Odour		Boiling point	
Melting point≽	166.0℃	Flash point	
Flammability		Explosion limits	
Explosive properties		Auto ignition temperature	
Oxidizing properties		Vapour pressure	
Density	1.54g/cm3 (20°C)	Bulk density	
Solubility in water	Insoluble in water	Solubility in other solvents	Soluble in Benzene, CS ₂
Oil content %		Partition coefficient	4.5
Residues (150um)% Max		Relative vapour density	
Viscosity		Assay content % ≽	95
Strength of grain(N)	0.6-2.5		

10. STABILITY AND REACTIVITY

under recommended storage and handling conditions	
ection 7).	
g > 100 °C: May catch fire.	
No specific recommendations	
al decomposition products: carbon monoxide (CO),	
s gases (NOx), Sulfur oxides (SOx).	
n	

11. TOXICOLOGICAL INFORMATION

Name 2,2'-dibenzothiazyl disulfide

Acute toxicity

 Oral LG50
 rat:7940 mg/kg.

 Dermal LD50
 rabbit:7940 mg/kg.

Irritation



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Skin

Slightly irritating to skin but not sufficient for classification.

Eye

Slightly irritating to eyes but not sufficient for classification.

12. ECOLOGICAL INFORMATION

Name

Ecotoxicity

96h-LC50 (Lepomis macrochirus): 82 mg/l.

Fish

96h-LC50 (Oncorhynchus mykiss): 68 mg/l.

96h-LC50 (Pimephales promelas): >1000 mg/l.

Daphnia

48h-EC50 (Daphnia magna): 82mg/l.

Algae

96h-IC50 (Selenastrum capricornutum): 0.7 mg/l.

Degradation Biotic

Not readily biodegradable.

13. DISPOSAL CONSIDERATIONS

Product	Avoid discharge into the environment	
	Small quantities: According to local regulations.	
	Large quantities: Consult YLSCH Chemical for special advice.	
Contaminated packaging	According to local regulations.	
	Waste code number: Please refer to your specific industry	
Other information	in the European Waste Catalogue.	

14. TRANSPORT INFORMATION

Land transport (ADR/RID)

ADR class
9 RID class
90

ADR/RID packing group ---- Hazard Identification No.
90

Substance Identification No.
3077 UN number
Environmentally hazard us substance, solid, n.o.s.

Proper Shipping Name (2,2-dibenzothiazyl disulfide)

Sea transport (IMDG-code/ IMO)

Correct technical name ----- IMDG Class

UN Number -----

Packaging group

EMS Number ----



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Air transport (ICAO-TI/ IATA-DGR)

ICAO-TI/IATA-DGR Class 9 UN number 3077

Packing group Environmentally hazardous substance, solid, n.o.s.

Correct technical name (2,2-dibenzothiazyl disulfide)

15. REGULATORY INFORMATION

Chemical description 2,2-dibenzothiazyl disulfide

Labelling according to EC directives

EC-number See section 2

Annex-1 to directive 67/548/EEC

Classification based on R 43 May cause sensitization by skin contact

May cause long-term adverse effects in the aquatic

environment

R(isk) phrase(s) S 24 Avoid contact with skin

S 37 Wear suitable gloves

S 60 This material and its container must be disposed of

as hazardous waste

S(afety) phrase(s) S 61 Avoid release to the environment. Refer to special

instruction /Safety data sheets

Other information To be displayed on the label: "EC label".

Wassergefährdungsklasse (WGK) 2 (VwVwS Anhang 4 Nr. 3)

16.OTHER INFORMATION

This information only concerns the above mentioned product and does not need to be valid if used with other product(s) or in any process. The information is to our best present knowledge correct and complete and is given in good faith but without warranty. It remains the user's own responsibility to make sure that the information is appropriate and complete for his special use of this product.