

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 TBzTD HS Code: 29309090.90

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product label name Tetrabenzyl Thiuram 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

二硫化四苄基秋兰姆 Chemical name

Tetrabenzyl Thiuram Disulfide

CAS NO. 10591-85-2

Chemical description Light yellow powder

TSCA NO. none

EINECS NO. none

Other information $C_{30}H_{28}N_2S_4$

3. HAZARDS IDENTIFICATION

May cause long-term adverse effects in the aquatic environment.

4. FIRST AID MEASURES

Symptoms and effects May cause alcohol intolerance.

First aid

General Do not drink alcohol after exposure.



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Inhalation Not applicable.

Skin Wash off with plenty of soap and water.

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.

Ingestion Rinse mouth, give water to drink. Advice to physician No specific recommendations.

5. FIRE-FIGHTING MEASURES

Extinguishing media Waterspray, water mist, foam, dry chemical powder, CO2

Unsuitable extinguishing media None known.

Special exposure hazards Emits toxic fumes under fire conditions.

Hazardous decomposition/

Hydrogen cyanide (HCN), sulphur dioxide (SO₂), nitrous gases combustion products

(NOx).

Protective equipment Wear self contained breathing apparatus.

Do not allow run-off from fire fighting to enter drains or Other information

water courses.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions For personal protection see Section 8. Avoid dust generation.

Environmental precautions Do not flush into public water courses.

Collect as much as possible in a clean container for

Methods for cleaning up (preferable) reuse or disposal.

7. HANDLING AND STORAGE

Handling The usual precautions for handling chemicals should be observed.

Fire and explosion prevention No specific recommendations.

Storage requirements Store in a dry and cool place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION



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Engineering controlsNo specific recommendations.

Exposure limits

Name:Tetrabenzyl Thiuram Disulfide 10.0 mg/m³ (total inhalable dust)

Personal protection

Respiratory No specific recommendations.

HandWear suitable gloves.EyeWear safety goggles.

Skin and bodyWear suitable protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Light yellow powder	Colour	Light-yellow
Odour	Odorless	Boiling point	
Melting point≽	128 ℃	Flash point	147-149℃
Flammability		Explosion limits	
Explosive properties		Auto ignition temperature	
Oxidizing properties		Vapour pressure	
Density	1.50g/cm3(20°C)	Bulk density	
Solubility in water	Insoluble in water	Solubility in other solvents	Not determined
pH value		Partition coefficient	
Residues (150um)% Max	0.1(Max)	Relative vapour density	
Viscosity		Assay content % ≽	96
Strength of grain(N)		Zinc content %	

10. STABILITY AND REACTIVITY

Stable under recommended storage and handling conditions

Stability (see section 7).

Conditions to avoid No specific recommendations.

Materials to avoid Oxidizing agents.

Hazardous decomposition products

No hazardous decomposition products known.



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11. TOXICOLOGICAL INFORMATION

Name Tetrabenzyl Thiuram Disulfide

Acute toxicity

 $\label{eq:control_control_control} \mbox{Oral LG50} \qquad \qquad \mbox{rat:} > 5000 \mbox{ mg/kg}.$

Dermal LD50 rat 4 hours: >5 mg/l.

Irritation

Skin Practically non-irritating.

Eye Practically non-irritating.

12. ECOLOGICAL INFORMATION

Name Tetrabenzyl Thiuram Disulfide

Ecotoxicity

fish 96h-LC50 (Poecilia reticulata): >32 mg/l.

48h-LC50 (Poecilia reticulata):

daphnia 48h-EC50 (Daphnia magna): >100 mg/l.

Degradation BioticNot 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 9

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

Substance Identification No. 3077 UN number 3077

Environmentally hazard us substance, solid, n.o.s.

Proper Shipping Name (Tetrabenzyl Thiuram Disulfide)

Sea transport (IMDG-code/ IMO)



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Correct technical name

---- IMDG Class

UN Number -----

Packaging group

EMS Number ----

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 (Tetrabenzyl Thiuram Disulfide)

15. REGULATORY INFORMATION

Chemical description Tetrabenzyl Thiuram Disulfide

Labelling according to EC directives

EC-number See section 2

Classification based on Annex-1 to directive 67/548/EEC

R 43 May cause sensitization by skin contact

R(isk) phrase(s)

May cause long-term adverse effects in the aquatic

environment

S 24 Avoid contact with skin S 37 Wear suitable gloves

S 60 This material and its container must be disposed of

S(afety) phrase(s) as hazardous waste

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.