

**MATERIAL SAFETY DATA SHEET:** According to EC-directive 2001/58/EC**Rubber Accelerator DETU (PM)****HS Code: 38121000.00****1. 化学品及企业标示(CHEMICAL PRODUCT AND COMPANY IDENTIFICATION)**

产品标签名/ Product label name	二乙基硫脲 N, N'-Diethylthiourea 深圳市华起达实业有限责任公司 Meyor Industrial Co.,Ltd 深圳市罗湖区中兴路, 外贸集团大厦 2610-2611 室
供应商/ Supplier	RM 2610-2611 Foreign Trade Building, Zhong Xing Road Shen Zhen. China TEL:+86-755-82184166 FAX:+86-755-82187033
紧急电话/ Emergency telephone	+86-755-82190130
产品用途/ Intended use	橡胶硫化促进剂/ Rubber Vulcanization accelerator

2. 成分/组成信息(COMPOSITION/INFORMATION ON INGREDIENTS)

化学名/ Chemical name	二乙基硫脲 N, N'-Diethylthiourea
CAS 编号/ CAS NO.	105-55-5
产品描述/ Chemical description	白色粉末/ White powder
TSCA NO.编码/ TSCA NO.	无/ none
EINECS 号码/ EINECS NO.	无/ none
其他信息/ Other information	C ₅ H ₁₇ N ₂ S

3. 危险性鉴定(HAZARDS IDENTIFICATION)

Target Organs:	Respiratory and Pulmonary (Lungs) Systems, Skin, Eyes
GHS Classification:	COMBUSTIBLE DUSTS ACUTE TOXICITY: ORAL - Category 4 ACUTE TOXICITY: SKIN - Category 4 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1 SKIN SENSITIZATION - Category 1 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) [thyroid] - Category 1

GHS Label elements
Pictogram(s):



Signal word: Danger



Hazard Statement(s):	May form combustible dust concentrations in air. Harmful if swallowed or in contact with skin. Causes serious eye damage. May cause an allergic skin reaction. Causes damage to organs through prolonged or repeated exposure. (thyroid)
Precautionary Statement(s):	Wear protective gloves. Wear eye or face protection: Recommended: safety glasses with side-shields. Wear protective clothing: Recommended: lab coat. Do not breathe dust or mist. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace.
Supplemental information	Hazard None
Supplemental label elements for certain mixtures	None
NFPA Rating (Scale 0-4) 0 - Minimal Hazard 1 - Slight Hazard 2 - Moderate Hazard 3 - Serious Hazard 4 - Severe Hazard	
HMIS Rating (Scale 0-4) 0 - Minimal Hazard 1 - Slight Hazard 2 - Moderate Hazard 3 - Serious Hazard 4 - Severe Hazard	

4. FIRST AID MEASURES

症状和效果/ Symptoms and effects	Dust may be irritating to the respiratory tract and cause symptoms of bronchitis. Repeated contact may cause skin sensitization. 粉尘可能吸入呼吸道，从而导致支气管炎。 经常接触可能导致皮肤过敏。
急救/ First aid	
通常情况/ General	In all cases of doubt, or when symptoms persist, seek medical attention. 任何可疑情况，或有任何症状出现，请马上找医生咨询。
吸入/ Inhalation	Move to fresh air. If symptoms persist, seek medical advice. 呼吸新鲜空气。如果有持续症状，请马上就医。
皮肤/ Skin	Remove all contaminated clothing immediately. Wash off with plenty of



soap and water.

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

立即移走所有被污染的衣物。用肥皂和清水冲洗。

如果出现愤怒、烦躁症状请立即就医。衣物重新使用前需洗涤干净。

Rinse thoroughly with plenty of water. Eyelids should be held away from the eyeball to

眼睛/ Eye

Ensure thorough rinsing. Seek medical advice if irritation develops.

翻开眼睑用清水冲洗干净。

确保洗除残渣。如果出现愤怒症状请就医。

摄取/ Ingestion

Rinse mouth, give water to drink.

请漱口，喝水。

5. 消防措施(FIRE-FIGHTING MEASURES)

灭火媒介/ Extinguishing media

waterspray, water mist, foam, dry chemical powder, CO₂

喷物，水雾，泡沫，干粉灭火器，CO₂

不适用的灭火媒介

waterjet.

/ Unsuitable extinguishing media

水注（流）

特殊危险/ Special exposure hazards

Emits toxic fumes under fire conditions.

在火灾情况下释放的有毒烟气。

分解腐烂危险/燃烧产品/

Carbon monoxide (CO), Sulfur oxides (SO_x), nitrous gases (NO_x).

Hazardous decomposition/ combustion products

一氧化碳，硫的氧化物，氮的氧化物。

保护设备/ Protective equipment

Wear self contained breathing apparatus.

需配戴空气呼吸器。

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

其他信息/ Other information

避免消防水接触下水道，土地或水源。

6. 泄露应急处理(ACCIDENTAL RELEASE MEASURES)

个人防范/ Personal precautions

For personal protection see Section 8. Avoid dust generation.

对于个人防范请参照第 8 部分。避免粉尘的产生。

环境预防/ Environmental precautions

Avoid discharge into the environment.

避免流入环境之中。

清洁处理方法/ Methods for cleaning up

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

尽可能的将其收集在清洁的容器里以便回收或集中处理。

7. 操作处置与储存(HANDLING AND STORAGE)

操作处置/ Handling

Avoid contact with skin. Avoid dust generation.

避免接触皮肤。避免粉尘。

储存要求/ Storage requirements

Store in a dry and cool place.

储存于干燥与阴凉的地方。

8. 接触控制/个体防护(EXPOSURE CONTROLS/PERSONAL PROTECTION)

工程学控制/ Engineering controls

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



避免粉尘产生。确保当地工作场所通风。

暴露限制/ Exposure limits

名称/ Name: 二乙基硫脲

N, N'-Diethylthiourea

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个人防护/ Personal protection

呼吸器/ Respiratory

Avoid breathing dust. In case of insufficient ventilation, wear suitable respiratory equipment.

避免吸入粉尘。在通风不畅的情况下请佩戴相应的呼吸器。

手/ Hand

Wear suitable gloves.

佩戴相应的长手套。

眼/ Eye

Wear safety goggles.

佩戴防护眼罩。

皮肤和身体/ Skin and body

Wear suitable protective clothing.

穿戴相应的保护服装。

9. 物理和化学特性(PHYSICAL AND CHEMICAL PROPERTIES)

外观/ Appearance	White powder 白色粉末	颜色/ Colour	White 白色
气味/ Odour	--	沸点/ Boiling point	----
熔点/ Melting point ≥	74℃	闪点/ Flash point	--
易燃性/ Flammability	----	爆炸极限/ Explosion limits	----
爆炸性/ Explosive properties	----	自燃温度/ Auto ignition temperature	----
氧化性/ Oxidizing properties	----	蒸汽压/ Vapour pressure	----
比重/ Density	1.1	体积密度/ Bulk density	----
溶解性/ Solubility in water	Insoluble in water 不溶于水	在其它溶剂中的溶解性 Solubility in other solvents	in most organic solvents 在多数有机溶剂中溶解
PH 值/ pH value		分解系数/ Partition coefficient	
Residues (840um)% Max 筛余物	0.0	纯度/ Assay content % ≥	95
油含量/ Oil Content	1.0-2.0%		

10. 稳定性和反应性(STABILITY AND REACTIVITY)

稳定性/ Stability

Stable under recommended storage and handling conditions (see section 7).

推荐的稳定储存和搬运条件（请参照第 7 部分）

应避免的物质/ Materials to avoid

Acids and oxidants.



酸和氧化剂。

腐烂分解毒性产品/

Hazardous decomposition products

Thermal decomposition products: nitrous gases (NO_x), Sulfur oxides (SO_x).

热分解产品：氮的氧化物，硫的氧化物。

11. 毒理学资料(TOXICOLOGICAL INFORMATION)

名称/ Name

二乙基硫脲/ N, N'-Diethylthiourea

敏感性毒害/ Acute toxicity

口头的/ Oral LD50

老鼠/ rat: 316 mg/kg.

易愤怒/ Irritation

皮肤/ Skin

Slightly irritating to skin but not sufficient for classification.

对皮肤有轻微刺激但未达到分级阶段。

眼睛/ Eye

Slightly irritating to eyes but not sufficient for classification.

对眼有轻微刺激但未达到分级阶段。

12. 生态学资料(ECOLOGICAL INFORMATION)

名称/ Name

二乙基硫脲/ N, N'-Diethylthiourea

生态学/ Ecotoxicity

初级生物/ Degradation

Biotic

不能被轻易分解/ Not readily biodegradable.

13. 废弃处理(DISPOSAL CONSIDERATIONS)

产品/ Product

Avoid discharge into the environment.

Small quantities: According to local regulations.

Large quantities: Consult Meyors Chemical for special advice.

避免流入环境。

小量：根据当地规定。

大量：请联系美尔化工获取建议。

包装污染/ Contaminated packaging

According to local regulations.

根据当地规定。

其他信息/ Other information

Waste code number: Please refer to your specific industry in the European Waste Catalogue.

消耗物代码：请联系欧洲在消耗物领域的特殊工业。

14. 运输信息(TRANSPORT INFORMATION)

ADR/RID, IMDG, IATA, DOT, TDG: Not regulated.

ADR / RID, IMDG, IATA, DOT, TDG: 不受管制。

15. REGULATORY INFORMATION

化学品描述/Chemical description

N, N'-Diethylthiourea

CERCLA/RCRA: Not listed.

SARA Title III, section 313: Not listed

WHMIS: Not listed.

NFPA: Not listed.

Proposition 65, California: Not listed.



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Clean Air Act: Not listed.

TSCA: All ingredients are listed on the TSCA inventory.

Canadian DSL: All ingredients listed.

IARC: Not listed.

CERCLA / RCRA: 未列出。

SARA Title III, 313 节: 未列出

WHMIS: 未列出。

NFPA: 未列出。

65 号提案, 加利福尼亚州: 未列出。

清洁空气法案: 未列出。

TSCA: 所有成分都列在 TSCA 名录上。

加拿大 DSL: 列出所有成分。

IARC: 未列出

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.
