

**MATERIAL SAFETY DATA SHEET:** According to EC-directive 2001/58/EC**Stabilizing agent NDMC****HS Code: 29302000.90****1. 化学品及企业标示(CHEMICAL PRODUCT AND COMPANY IDENTIFICATION)**

产品标签名/ Product label name	二甲基二硫代氨基甲酸镍 Nickel Dimethyldithiocarbamate 深圳市华起达实业有限责任公司 Meyors Chemical INC Limited
供应商/ Supplier	深圳市罗湖区中兴路，外贸集团大厦 2610-2611 室 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	稳定剂 NDMC/stabilizers NDMC

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

化学名/ Chemical name	二甲基二硫代氨基甲酸镍/ Nickel Dimethyldithiocarbamate
CAS 编号/ CAS NO.	15521-65-0
产品描述/ Chemical description	绿色粉末/ Green powder
TSCA NO.编码/ TSCA NO.	无/ none
EINECS 号码/ EINECS NO.	无/ none
其他信息/ Other information	C <sub>6</sub> H <sub>12</sub> N <sub>2</sub> S <sub>4</sub> Ni

**3. 危险性鉴定(HAZARDS IDENTIFICATION)**

Routes of Entry/ 侵入途径	Absorbed through skin. Eye contact. Inhalation 通过皮肤吸入。眼部接触。吸入。 Slightly hazardous in case of skin contact(irritant), of eye contact(irritant)
Potential Acute Health Effects/ 潜在的健康影响	Of ingestion, of inhalation. Non-corrosive for skin. Non-sensitized for skin, Non-permeate by skin. 皮肤，眼接触（被刺激），摄取，吸入有轻微危害。对皮肤无腐蚀，过敏，渗透作用。 Slightly hazardous in case of inhalation. 吸入有轻微毒害。
Potential Chronic Health Effects	CARCINOGENIC EFFECTS: None. 致癌影响：无。 MUTAGENIC EFFECTS: Not available. 突变影响：不适用。 TERATOGENIC EFFECTS: Not available. 产生畸变影响：不适用 DEVELOPMENTAL TOXICITY: Not toxic. 毒害性发展：无毒。



There is no known effect from chronic exposure to this product.  
不清楚这种产品长期暴露会产生什么影响。

#### 4. 急救措施(FIRST AID MEASURES)

##### 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。

##### 皮肤接触/ Skin Contact

After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.

与皮肤接触后，立即用大量的清水冲洗，轻轻地，十分彻底地用流动水洗净皮肤上的污物，同时不要使用肥皂揉搓。仔细清洁弯折处，缝隙等地方。用润肤剂涂抹覆盖发热瘙痒处。如果出现愤怒症状，请咨询医就诊。衣物重新使用前请清洗干净。

##### 皮肤接触的危害性/Hazardous Skin Contact

No additional information. 无附加信息。

##### 眼睛接触/ Eye Contact

No known effect in eye contact. rinse with water for a few minutes.  
不清楚眼睛接触有什么影响。用清水冲洗几分钟。

Allow the victim to rest in a well ventilated area. Seek immediate medical attention

##### Inhalation/ 吸入

使侵害人处于一个良好的通风环境中并立即就医。

##### Hazardous Inhalation/ 吸入危害性

No additional information. 无附加信息。

##### 摄取/ Ingestion

Do not induce vomiting. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested: the absence of such signs, however, is not conclusive. Loosen tight clothing such as a collar, tie, belt or waistband.

If the victim is not breathing, perform mouth-to-mouth resuscitation.

Seek immediate medical attention.

不会引起呕吐。检查嘴唇和口腔，确定组织是否破坏，有毒物质被摄取的可能的信号：缺乏这种信号，但是不确定。如果受侵害人呼吸困难，请解开紧绷的衣物，诸如衣领，领带，皮带或腰带，人工呼吸并立即就医。

##### Hazardous Ingestion/ 摄取危害

No additional information. 无附加信息。

#### 5. 消防措施(FIRE-FIGHTING MEASURES)

##### Flammability of the product/ 产品易燃性

May be combustible at high temperature.  
高温下可能会易燃。

##### Auto-Ignition Temperature/ 自然点

Not applicable/ 不适用

##### Flash Points/ 闪点

Not applicable/ 不适用



<b>Flammable Limits/ 易燃限制</b>	Not applicable/ 不适用
<b>Products of Combustion/ 燃烧物</b>	These products are carbon oxides (CO, CO <sub>2</sub> ). Some metallic oxides. 这些产品是碳的氧化物 (CO, CO <sub>2</sub> ), 一些金属氧化物。
<b>Fire Hazards In Presence of Various Substances/ 周围物质的火灾危害性</b>	No specific information is available in our database regarding the flammability of this product in presence of various materials. 我们的数据库里没有对于这种产品在周围物质存在下的易燃性数据。
<b>Explosion Hazards in Presence of Various Substances 周围物质的爆炸危害性</b>	No specific information is available in our database regarding the product's risks of explosion in the presence of various materials. 我们数据库里没有对于在周围物质存在下的爆炸危险性数据。
<b>Fire Fighting Media and Instructions 灭火媒介和指导</b>	SMALL FIRE: Use DRY chemicals, CO <sub>2</sub> , water spray or foam. LARGE FIRE: Use water spray, fog or foam. DO NOT use water jet. 小火: 用干燥的化学品, CO <sub>2</sub> , 水雾或泡沫。 大火: 用水雾或泡沫, 不要用水喷射。
<b>Special Remarks On Fire Hazards 火灾危害上的特别注释</b>	No additional remark/ 无附加信息
<b>Special Remarks on Explosion Hazards 爆炸危害上的特别注释</b>	No additional remark/ 无附加信息

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

<b>Small Spill/ 小量溢出</b>	Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements. 用适当的工具将溢出的固体转移到方便处理的容器中。通过在被污染的表面撒布水来清洁, 同时根据当地和地方的权威性要求进行相关处理。
<b>Large Spill/ 大量溢出</b>	Our database contains no additional information in case of a spill and/or a leak of the product. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities. 我们的数据库没有包含产品溢出和/或泄漏的处理情况。通过在被污染的表面撒布水来清洁, 同时允许通过相关系统进行排泄。注意产品浓度不要超过 TLV 水平。在 MSDS 和当地



的权威参考书中核对 TLV。

## 7. 操作处置与储存(HANDLING AND STORAGE)

### 操作处置/ Handling

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Keep container tightly closed. Keep in a cool.

### 储存要求/ Storage requirements

Well-ventilated place.

容器要封紧口。储存在阴凉，通风好的地方。

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

### 工程学控制/ Engineering controls

No special ventilation requirements.

无特别的通风要求。

### 暴露限制/ Exposure limits

Not available/ 不适用

### 个体防护/ Personal protection

#### 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。

### Personal Protection in Case of a Large Spill

#### 大量溢出情况下的个体保护

Splash goggles. Full suit, Boots, Gloves, Suggested protective clothing might not be sufficient; consult a specialist BEFORE handing this product.

防溅护目镜，全套服装，长靴，手套，被建议的防护服可能不足够提供保护，操作产品前请酌情处理。

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

外观/ Appearance	Green powder 绿色粉末	颜色/ Colour	Green 绿色
气味/ Odor	----	沸点/ Boiling point	----
熔点/ Melting point $\geq$	290.0 $^{\circ}$ C	闪点/ Flash point	----
易燃性/ Flammability	----	加热减量 $\leq$ Loss on drying%(Max)	0.50
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	----	体积密度/ Bulk density	----



溶解性/	Insoluble in cold water, hot	在其它溶剂中的溶解性	----
<b>Solubility in water</b>	water/ 不溶于冷水, 热水	<b>Solubility in other solvents</b>	----
油含量 %/	1.0-2.0	分解系数/	----
<b>Oil content %</b>		<b>Partition coefficient</b>	----
<b>Residues (150um)%</b>	0.1(Max)	相对蒸汽密度/ (air=1)	----
<b>Max / 筛余物 ≤</b>		<b>Relative vapour density</b>	----
粘性/ Viscosity	----	爆炸极限/ Explosion limits	----
纯度 /Assay content	95		
% ≥			

## 10. 稳定性和反应性(STABILITY AND REACTIVITY)

稳定性/ Stability	The product is stable/ 产品稳定
不稳定条件/ Conditions of instability	No additional remark/ 无附加记录
应避免的情况/ Conditions to avoid	Heat, sources of heat, naked flames, sparks, direct sunlight 热, 热源, 火焰, 火花, 阳光直射。
不相容物质/	Slightly reactive to reactive with oxidizing agents.
Incompatibility with various substances	和氧化剂有轻微反应。

## 11. 毒理学资料(TOXICOLOGICAL INFORMATION)

名称/ Name	二甲基二硫代氨基甲酸镍/ Nickel Dimethyldithiocarbamate
敏感性毒害/ Acute toxicity	
口头的/ Oral LD50	老鼠/ rat: >1600 mg/kg.
对人的慢性影响/	CARCINOGENIC EFFECTS None/ 无致癌影响
<b>Chronic Effects on Humans</b>	DEVELOPMENTAL TOXICITY Not toxic/ 无发展性毒害 Slight hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation. Non-corrosive for skin. Non-sensitizer for skin. No permeator by skin.
对人的其他毒害影响/	
<b>Other Toxic Effects on Humans</b>	皮肤, 眼睛, 摄取, 吸入接触有轻微毒害。对皮肤无腐蚀, 过敏性。
对动物特殊毒害性记录/	
<b>Special Remarks on Toxicity to</b>	No additional remark/ 无附加记录
<b>Animals</b>	
对人的特殊毒害性记录/	
<b>Special Remarks on Chronic</b>	No additional remark/ 无附加记录
<b>Effects on Humans</b>	
对人的其他特殊毒害性记录/	
<b>Special Remarks on other</b>	Causes dermatitis/ 导致皮炎
<b>Toxic Effects on Humans</b>	

## 12. 生态学资料(ECOLOGICAL INFORMATION)



名称/ Name	二甲基二硫代氨基甲酸镍/ Nickel Dimethyldithiocarbamate
生态学/ Ecotoxicity	Not available/ 不适用
BOD5 and COD	Not available/ 不适用
生物降解产品/ Products of Biodegradation	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise. 可能短期内产品不大可能降解，但是长时间会是产品的降解增加。
生物降解产品的危害性/ Toxicity of the products of Biodegradation	The products of degradation are less toxic than the product itself. 退化的产品少于产品本身。
产品降解的特殊记录/ Special Remarks on the products of Biodegradation	No additional remark/ 无附加记录

### 13. 废弃处理(DISPOSAL CONSIDERATIONS)

废弃物/ Waste Disposal	Recycle, if possible. Dispose of in accordance with local, regional regulations. 如果可能请循环使用。根据当地的规定进行处理。
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### 14. 运输信息(TRANSPORT INFORMATION)

陆运/ Land transport (ADR/ RID)			
ADR 等级/ ADR class	----	RID 等级/ RID class	----
ADR/RID 包装组成/	----	危害鉴定号/	----
ADR/RID packing group		Hazard Identification No.	
物质鉴定号/	----	UN 号	----
Substance Identification No.		UN number	
适当海运名称/	----	Documentation justifying the non-dangerous goods properties is available on request. 文件证明非危险品，符合要求。	
Proper Shipping Name			
其他信息/ Other information			
海运/ Sea transport (IMDG-code/ IMO)			
正确的技术名称	----	IMDG 等级	----
Correct technical name		IMDG Class	
UN 号码/ UN Number	----	包装组成	----
		Packaging group	
EMS 号/ EMS Number	----		----
Documentation justifying the non-dangerous goods properties is available on request. 文件证明非危险品，符合要求。			
其他信息/ Other information			



**空运/ Air transport (ICAO-TI/ IATA-DGR)**

ICAO-TI/IATA-DGR 等级

UN 号

ICAO-TI/IATA-DGR Class

UN number

包装组成

Packing group

Documentation justifying the non-dangerous goods properties is available on request.

其他信息/ Other information

文件证明非危险品，符合要求。

**15. 法规信息(REGULATORY INFORMATION)**

化学品描述/ Chemical description

二甲基二硫代氨基甲酸镍/ Nickel Dimethyldithiocarbamate

标签根据 EC 指标/ Labelling according to EC directives

EC 号/ EC-number

See section 2

查看第 2 部分

分级标准/ Classification based on

Tests/ 测试

危险性短语/ R(isk) phrase(s)

None/ 无

安全性短语/ S(afety) phrase(s)

None/ 无

**16. 其他信息(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.

这些信息仅仅涉及以上提到的产品，如果用于其他产品或其他过程，本公司不付任何法律责任。这些信息是我们当前最新最好的资料编写而成，值得信任，但我们不能绝对保证没有错误。它仅仅起到提醒使用者自己使这些信息指导相关产品用于适当的地方。