

**MATERIAL SAFETY DATA SHEET:** According to EC-directive 2001/58/EC**Carbon Black N220****HS Code: 28030000.00****1. 化学品及企业标示(CHEMICAL PRODUCT AND COMPANY IDENTIFICATION)**

产品标签名/ Product label name	碳黑 N220 Carbon black N220 深圳市华起达实业有限责任公司 Meyors Chemical INC Limited 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, 82194708 FAX:+86-755-82187033
紧急电话/ Emergency telephone	+86-755-82194108
产品用途/ Intended use	补强剂 /strengthening agent

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

化学名/ Chemical name	碳黑 N220 Carbon black N220
CAS 编号/ CAS NO.	001333-86-4
产品描述/ Chemical description	黑色粉末/ black powder
TSCA NO.编码/ TSCA NO.	无/ none
EINECS 号码/ EINECS NO.	无/ none

3. 危险性鉴定(HAZARDS IDENTIFICATION)

可能刺激眼睛和皮肤。可能刺激呼吸道。	May cause eye and skin irritation. May cause respiratory tract irritation.
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4. 急救措施(FIRST AID MEASURES)

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。 Remove all contaminated clothing immediately. Wash off with plenty of soap and water.
皮肤/ Skin	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。



眼睛/ 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. 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	If ingested, do not induce vomiting unless directed to do so by medical personnel. Get medical attention. 如果摄取，在医务人员的指导下才能引起呕吐。
医生建议/ Advice to physician	No specific recommendations. 无详细建议。

5. 消防措施(FIRE-FIGHTING MEASURES)

灭火媒介/ Extinguishing media	Waterspray, water mist, foam, dry chemical powder, CO ₂ 喷物，水雾，泡沫，干粉灭火器，CO ₂
保护设备/ Protective equipment	Wear self contained breathing apparatus. 需配戴空气呼吸器。
其他信息/ Other information	Do not allow run-off from fire fighting to enter drains or water courses. 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)

溢出和泄露规程 Spill and Leak Procedures	Use proper personal protective equipment as indicated in Section 8. Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container. Avoid generating dusty conditions 按照第 8 部分使用正确的防护器械，用真空吸尘器或清扫废弃材料到一个合适的容器。避免粉尘污染环境。
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7. 操作处置与储存(HANDLING AND STORAGE)

操作/ handing	Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation. 保持通风，避免粉尘进入眼睛，渗透到皮肤和衣服，避免摄食和吸入。
储存/ Storage	Store in a dry and cool place. Keep from contact with oxidizing materials. 储存于干燥与阴凉的地方，避免接触氧化性物质。

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

工程控制/ Engineering Controls:	Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits 保持良好的本地通风，或者保持空气的浓度低于暴露限制要求。
暴露限制/ Exposure limits	
名称/ Name: 碳黑 N220 Carbon black N220	TWA 3.5 mg/m ³ (ACGIH) TWA 3.5 mg/m ³ (OSHA - Final PELs)
个体防护/ 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	Black powder 黑色粉末	颜色/ Colour	Black 黑色
气味/ Odour	---	沸点/ Boiling point	---
灰分/Ash content %	≤0.5	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	---
加热减量/ Loss on drying%	≤1.5	300%定伸应力/ Stress	at -2.3 ± 1.0
溶解性/ Solubility in water	Insoluble in water 不溶于水	300%Elongation,Mpa	---
PH 值/ pH value	7-9	在其它溶剂中的溶解性/ Solubility in other solvents	---
Residues (45um)% Max	0.10	分解系数/ Partition coefficient	---
筛余物(45um)% Max		相对蒸汽密度/ (air=1) Relative vapour density	---

10. 稳定性和反应性(STABILITY AND REACTIVITY)

稳定性/ Stability	Stable 稳定
应避免的物质/ Materials to avoid	Ignition sources, moisture, excess heat 火源, 潮湿, 高温。
腐烂分解毒害性产品/ Hazardous decomposition products	Thermal decomposition products: Carbon monoxide, carbon dioxide. 热分解产品: 一氧化碳, 二氧化碳。

11. 毒理学资料(TOXICOLOGICAL INFORMATION)



名称/ Name	碳黑 N220/ Carbon black N220
敏感性毒害/ Acute toxicity	
口头的/ Oral LD50	老鼠/ rat: ≥ 15400 mg/kg.
皮肤的/ Dermal LD50	兔子/ rabbit: ≥ 3 mg/kg

12. 生态学资料(ECOLOGICAL INFORMATION)

名称/ Name	碳黑 N220/ Carbon black N220
No information considerations/没参考信息	

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)

陆运/ Land transport (ADR/ RID)			
ADR 等级/ ADR class	---	RID 等级/ RID class	---
ADR/RID 包装组成/	General Goods	危害鉴定号/	None
ADR/RID packing group	普货	Hazard Identification No.	无
物质鉴定号/	---	UN 号	---
Substance Identification No.		UN number	
适当海运名称/	(Carbon black N220)		
Proper Shipping Name	(碳黑 N220)		
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	General Goods
		Packaging group	普货
EMS 号/ EMS Number	----		

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

ICAO-TI/IATA-DGR 等级	None	UN 号	---
ICAO-TI/IATA-DGR Class	无	UN number	
正确的技术名称	(Carbon black N220)		
Correct technical name	(碳黑 N220)		

15. 法规信息(REGULATORY INFORMATION)

化学品描述/ Chemical description	Carbon black 碳黑
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	Annex-1 to directive 67/548/EEC 根据 67/548/EEC 指示 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 61 Avoid release to the environment. Refer to special instructions/Safety data sheets S 24 避免接触皮肤。 S 37 配戴相应的手套。 S 60 这种物质和其容器必须按照有害物质的原则进行相应 处理。 S 61 避免释放到环境, 参照相关指令或安全数据表。
安全性短语/ S(afety) phrase(s)	
其他信息/ Other information	To be displayed on the label: "EC label". 显示在"EC label"标签上。

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。