



Injection Molding Masterbatch (BM3002HT)

注塑成型母料 (BM3002HT)

Safety Data Sheet 20-442安全数据表20-442

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

根据《联邦法规》/Vol.77, No.58/ 2012年3月26日, 星期一/规章制度

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SECTION 1: Identification第1节: 标识

1.1. Identification标识

Product form产品形式 : Mixtures混合物
Name名称 : Injection Molding Masterbatch (BM3002HT)
注塑成型母料 (BM3002HT)
Synonyms产品别名 : Injection Molding Masterbatch BM3002HT, Natur-Tec® BM3002HT
注塑成型母料BM3002HT, Natur-Tec® BM3002HT

1.2. Relevant identified uses of the substance or mixture and uses advised against物质或混合物的相关已定义的用途和建议的用途

Use of the substance/mixture : Additives
物质/混合物的用途 添加剂

1.3. Details of the supplier of the safety data sheet安全数据表中的供应商详细信息

Northern Technologies International Corporation

北方技术国际公司

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1.4. Emergency telephone number紧急联系电话

Emergency number紧急电话号码 : Carechem +1 202 464 2554; Outside US/Canada美国/加拿大境外 +44 1865 407333 (24 hours; 7 days/week一周七天每天24小时可接通)

SECTION 2: Hazard(s) identification危险物标识

2.1. Classification of the substance or mixture物质或混合物的分类

GHS-US classification GHS-US分类法

Not classified未分类

2.2. Label elements标签元素

GHS-US labelling GHS-US标签法

No labelling applicable无适用标签法

2.3. Other hazards其他危险物

No additional information available无其他可用信息

2.4. Unknown acute toxicity (GHS US) 未知急性毒性物质 (GHS US)

Not applicable不适用

SECTION 3: Composition/information on ingredients第3节: 成分/组分信息

3.1. Substances物质

Not applicable不适用

3.2. Mixtures混合物

This mixture does not contain any substances to be mentioned according to the criteria of section 3.2 of HazCom 2012

根据HazCom 2012第3.2节的标准, 该混合物不包含任何需要特别提及的物质

SECTION 4: First aid measures急救措施

4.1. Description of first aid measures急救措施说明

First-aid measures general—般急救措施	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). 不要向昏迷的人经口喂食任何东西。如果觉得不适，请就医（如可能，请出示标签）。
First-aid measures after inhalation 吸入后急救措施	: Assure fresh air breathing. Allow the victim to rest. 确保能够呼吸到充足的新鲜空气。并确保休息。
First-aid measures after skin contact 皮肤接触后急救措施	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. 脱掉接触有害物质的衣物，用温和的肥皂和水清洗所有接触的皮肤区域，然后用温水冲洗。
First-aid measures after eye contact 眼部接触后急救措施	: Rinse immediately with plenty of water. If eye irritation persists: Get medical advice/attention. 立即用大量水冲洗。如果持续疼痛、眨眼或发红，请就医
First-aid measures after ingestion 吞入后急救措施	: Rinse mouth. Do not induce vomiting. Call a poison center or a doctor if you feel unwell. 漱口。不要催吐。如果觉得不适，呼叫中毒中心或医生。

4.2. Most important symptoms and effects, both acute and delayed最重要的症状和影响，包括急性的和潜伏的

Symptoms/injuries症状/创伤	: Not expected to present a significant hazard under anticipated conditions of normal use. 在正常使用的预期条件下，预计不会出现重大危险
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4.3. Indication of any immediate medical attention and special treatment needed需要立即就医和特殊治疗的情况

No additional information available无其他可用信息

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SECTION 5: Fire-fighting measures 第5节：消防措施

5.1. Extinguishing media 灭火介质

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray.
适宜的灭火介质 泡沫。干粉。二氧化碳。喷水

5.2. Special hazards arising from the substance or mixture 物质或混合物引起的特殊危害

Reactivity 反应性 : The product is non-reactive under normal conditions of use, storage and transport.
该产品在正常使用、储存和运输条件下无反应性。

5.3. Advice for firefighters 对消防员的建议

Firefighting instructions 消防说明 : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment. 使用喷水或喷雾冷却暴露的容器。扑灭化学火灾时要格外小心。防止消防用水进入周围环境。

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.
消防期间的保护措施 没有适当的防护设备，如呼吸防护设备等，不要进入火灾区域。

SECTION 6: Accidental release measures 第6节：意外泄漏措施

6.1. Personal precautions, protective equipment and emergency procedures 个人预防措施、防护设备和应急程序

6.1.1. For non-emergency personnel 非应急响应人员

Emergency procedures 应急程序 : Evacuate unnecessary personnel.
疏散不必要的人员。

6.1.2. For emergency responders 应急响应人员

Protective equipment 防护设备 : Equip cleanup crew with proper protection.
为清理人员提供适当的防护设备

Emergency procedures 应急程序 : Ventilate area. 为区域进行通风

6.2. Environmental precautions 环境预防措施

Prevent entry to sewers and public waters. 防止进入下水道和公共水域。

6.3. Methods and material for containment and cleaning up 防控和清理的方法和材料

Methods for cleaning up 清理方法 : On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials.
在地上，清扫或铲入适当的容器。尽量减少粉尘的产生。在远离其他材料的位置存放。

6.4. Reference to other sections 参考其他章节

See Heading 8. Exposure controls and personal protection. 见第8节。接触控制和个人防护。

SECTION 7: Handling and storage 第7节：搬运和储存

7.1. Precautions for safe handling 安全操作注意事项

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide adequate ventilation to minimize dust and/or vapour concentrations. 吃饭、喝水或吸烟前以及下班时，用温和的肥皂和水洗手和其他暴露的皮肤区域。提供足够的通风以将灰尘和/或蒸汽浓度降至最低。

7.2. Conditions for safe storage, including any incompatibilities 安全储存条件，包括任何产品间的不相容性

Storage conditions : Keep container closed when not in use.
储存条件 不使用时保持容器关闭。

SECTION 8: Exposure controls/personal protection 第8节：接触控制/个人防护

8.1. Control parameters 控制参数

Additional information : Contains no substances with occupational exposure limits
其他信息 不含设有职业接触限值的物质

8.2. Exposure controls 接触控制

Appropriate engineering controls : Provide adequate general and local exhaust ventilation.
适当工程控制 提供足够的全区和局部排气通风

Personal protective equipment : Avoid all unnecessary exposure. 避免所有不必要的接触。
个人防护装备

Hand protection 手部防护 : Wear protective gloves. 戴防护手套

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Eye protection眼部防护	: Chemical goggles or safety glasses. 化学护目镜或安全眼镜
Respiratory protection呼吸防护	: No respiratory protection is ordinarily required under normal conditions of use. 在正常使用条件下，通常不需要进行呼吸系统防护。
Other information其他信息	: Do not eat, drink or smoke during use. 在使用过程中不要进食、饮水或吸烟。

SECTION 9: Physical and chemical properties第9节：物理和化学性质

9.1. Information on basic physical and chemical properties基本物理和化学特性的信息

Physical state物理状态	: Solid固态
Appearance外观	: Pellets/tablets. 颗粒状/片状。

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Colour颜色	: natural colour.自然色
Odour气味	: characteristic. 特征气味
Odour threshold气味阈值	: No data available无可数据
pH酸碱度	: No data available无可数据
Relative evaporation rate (butylacetate=1) 相对蒸发率 (乙酸丁酯=1)	: No data available无可数据
Melting point熔点	: 150 - 180 °C
Freezing point冰点	: No data available无可数据
Boiling point沸点	: No data available无可数据
Flash point闪点	: No data available无可数据
Auto-ignition temperature自燃温度	: No data available无可数据
Decomposition temperature分解温度	: 250 °C
Flammability (solid, gas) 可燃性 (固体、气体)	: No data available无可数据
Vapour pressure蒸汽压	: No data available无可数据
Relative vapour density at 20 °C 20°C时的 相对蒸汽密度	: No data available无可数据
Relative density相对密度	: No data available无可数据
Density密度	: 1.6 - 1.8 g/cm³
Solubility溶解度	: No data available无可数据
Log Pow	: No data available无可数据
Log Kow	: No data available无可数据
Viscosity, kinematic粘度, 运动学性质	: No data available无可数据
Viscosity, dynamic粘度, 动态性质	: No data available无可数据
Explosive properties爆炸性	: No data available无可数据
Oxidising properties氧化性质	: No data available无可数据
Explosive limits爆炸极限	: No data available无可数据

9.2. Other information其他信息

No additional information available无其他可用信息

SECTION 10: Stability and reactivity第10节：稳定性和反应性

10.1. Reactivity反应性

The product is non-reactive under normal conditions of use, storage and transport. 该产品在正常使用、储存和运输条件下无反应性。

10.2. Chemical stability化学稳定性

The product is stable at normal handling and storage conditions. 该产品在正常的处理和储存条件下稳定性较好。

10.3. Possibility of hazardous reactions危险反应发生的可能性

Not established. 未建立。

10.4. Conditions to avoid应避免的条件

Open flame. 明火

10.5. Incompatible materials不相容材料

None known. 未知。

10.6. Hazardous decomposition products危险分解产物

Under normal conditions of storage and use, hazardous decomposition products should not be produced.
在正常的储存和使用条件下，不会产生危险的分解产物

SECTION 11: Toxicological information第11节：毒理学信息

11.1. Information on toxicological effects毒理学效应的相关信息

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Acute toxicity急性毒性	: Not classified未归类
Skin corrosion/irritation皮肤腐蚀/刺激	: Not classified未归类
Serious eye damage/irritation严重眼部损伤/刺激	: Not classified未归类
Respiratory or skin sensitisation呼吸道或皮肤过敏	: Not classified未归类
Germ cell mutagenicity生殖细胞致突变性物质	: Not classified未归类
Carcinogenicity致癌性	: Not classified未归类
Reproductive toxicity生殖系统毒性	: Not classified 未归类

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Specific target organ toxicity (single exposure)

特定靶器官毒性-单次接触 : Not classified
未归类

Specific target organ toxicity (repeated exposure) 特定靶器官毒性-重复接触 : Not classified未归类

Aspiration hazard吸入危害 : Not classified未归类

Potential adverse human health effects and symptoms : Based on available data, the classification criteria are not met.
根据现有数据, 不符合分类标准。

潜在的对人类健康的不良影响和症状

SECTION 12: Ecological information第12节: 生态学信息

12.1. Toxicity

Ecology – general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment. 生态学-一般信息 不认为该产品对水生生物有害, 也不会对环境造成长期的不利影响

12.2. Persistence and degradability持久性和可降解性

Injection Molding Masterbatch (BM3002HT) 注塑成型母料 (BM3002HT)

Persistence and degradability持久性和可降解性	Readily biodegradable. 易被生物降解。
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12.3. Bioaccumulative potential

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Bioaccumulative potential 生物累积潜力	The product does not meet the PBT and vPvB classification criteria. 产品不符合PBT和vPvB分类标准。
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12.4. Mobility in soil土壤中的流动性

No additional information available无其他可用信息

12.5. Other adverse effects其他不利影响

Other information其他信息 : No other effects known.
无其他已知影响。

SECTION 13: Disposal considerations第13节: 处置时的注意事项

13.1. Waste treatment methods废物处理方法

Waste disposal recommendations : Compostable.
废物处置建议 可堆肥

SECTION 14: Transport information第14节: 运输信息

In accordance with DOT (49 CFR 100-185): Not regulated
遵照DOT (49 CFR 100-185) : 无相关规定

Transport by sea海运

In accordance with IMDG: Not regulated 遵照IMDG: 无相关规定

Air transport空运

In accordance with IATA: Not regulated 遵照IATA: 无相关规定

SECTION 15: Regulatory information第15节: 监管信息

15.1. US Federal regulations美国联邦法规

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All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory	
本产品的所有成分均列在或不需列在美国环境保护局有毒物质控制法 (TSCA) 目录中	

15.2. International regulations国际法规

CANADA加拿大

Injection Molding Masterbatch (BM3002HT) 注塑成型母料 (BM3002HT)	
WHMIS Classification	Uncontrolled product according to WHMIS classification criteria
WHMIS分类	根据WHMIS分类标准，产品为非受管控产品

EU-Regulations欧盟法规

No additional information available

无其他可用信息

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15.3. US State regulations 美国州法规

No additional information available 无其他可用信息

SECTION 16: Other information 第16节：其他信息

Revision date 修订日期 : 1/17/2017

Other information 其他信息 : None. 无

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