



Xiamen Zhuoyue Biomass Energy Co., Ltd.

厦门卓越生物质能源有限公司

Material Safety Data Sheet

化学品安全技术说明书

Section 1 Chemical product and company identification

化学品及企业标识

MSDS Name: UCOME BIODIESEL / FATTY ACID METHYL ESTER)

报告物名称: 生物柴油(脂肪酸甲酯)

Company Identification: Xiamen Zhuoyue Biomass Energy Co., Ltd.

生产企业名称: 厦门卓越生物质能源有限公司

Address: No. 1153, Jicheng Road, Tong'An Industrial Zone, Xiamen, Fujian, China 361100

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For information, call: 86-592-7191109

电话: 86-592-7191109

For emergencies, call: 86-592-7191108

紧急电话: 86-592-7191108

Section 2 Composition, information on ingredients

成分/组成信息

CAS#化学特性索引号码	Chemical Name 化学名称	Density 密度@20° C
68990-52-3	Biodiesel/生物柴油	860-900 Kg/m ³

Hazard Symbols: None

危险特性: 属于普通货物 (不属于 1-9 类危险品)

Risk Phrases: Safe for normal transportation and auto ignition temperature is over 240°C

危险条件: 运输安全, 自燃温度高于 240°C。

Section 3 Hazards Identification

危险特性

Emergency Overview 概述: Non-hazardous 无危险性

Eye 眼睛: Accidental exposure to the eyes may produce a mild but transient irritation 意外溅入可引起短暂轻微刺激

Skin 皮肤: Non-hazardous 无危险性

Ingestion 误食: Possible to be uncomfortable but not dangerous 可能引起肠胃不适但没有危害

Inhalation 吸入: No harmful effects expected with normal use 正常使用无危险性

Chronic 可否引起慢性疾病: No 否

Determination of flammability and explosives 燃爆危险: No danger of flammability and explosive 不属于易燃物,是非爆炸品。

Section 4 First Aid Measures

急救措施

Eye 眼睛: Flush with water for at least 15 minutes 清水冲洗至少 15 分钟

Skin 皮肤: Wash skin with soap and water 用普通肥皂和水清洁

Ingestion 误食: If swallowed, do NOT induce vomiting. Get medical attention 去医院检查

Inhalation 吸入: Remove to fresh air 移至新鲜空气处

Section 5 Fire Fighting Measure

消防措施

Flash point 闪点: >160°C

Non flammable, no explosive danger 不属于易燃物，没有燃爆危险。

Extinguishing Media 灭火方式: Small fires: CO₂ or dry chemical 小火：二氧化碳或干粉灭火器

Large fires: Foam 大火：泡沫灭火器

Water spray may be ineffective on fire 水可能无法灭火

Section 6 Accidental Release Measures

泄漏事故处理

Personal precautions: Wear protective clothing and equipment. An appropriate respirator should be used if a mist or vapor is generated.

个人防护：穿上保护性衣服，如果出现雾气或蒸汽，可能需要使用专用呼吸器

Environmental precautions: Dike flow of spilled material using soil or sandbags

环境保护：用土或沙袋防止泄露液体外流

Procedures for spill/Leak clean up: Ventilate area and eliminate all ignition sources. Contain spill.

Absorb or cover with dry earth, sand or other non-combustible material

泄漏清洁程序：保证场所通风并远离火种，收集泄漏物；用干土、沙子或其他不可燃烧物吸收或覆盖

Section 7 Handling and Storage

处理和存放

Handling: Handle in accordance with good hygiene and safety procedures. Avoid contact with eyes, skin, and clothing. Keep away from sources of ignition.

处理：遵守卫生及安全规定，避免眼睛、皮肤、衣物的接触。远离火种。

Storage: Can be stored in most common storage. Keep away from heat, sparks or open flames. Keep away from possible contact with incompatible substances.

存放：可装于普通容器，远离热源、火花，远离不兼容的物质

Section 8 Exposure Controls, Personal Protection

安全控制和人员保护

Engineering Controls 机械控制: Ventilation 通风

Personal Protective Equipment 个人防护:

Eye: Goggles or face shield with goggles, dependent upon potential exposure

眼睛：根据情况使用眼镜或面罩

Skin: Protective gloves

皮肤：防护性手套

Inhalation: None required for ambient temperature, although an appropriate air-purifying respirator should be used if a mist or vapor is generated.

吸入：在出现雾气或蒸汽时应使用呼吸器，但正常温度无要求。

Section 9 Physical and Chemical Properties

物理和化学特性

Color: Light yellow 颜色：淡黄色	Specific Gravity/Density: 882Kg/m ³ @ 20° C 密度：882Kg/m ³ @ 20° C
Odor: Soft	PH: 7

味道：无刺激性	PH 值：7
Vapor Pressure: None 蒸汽压力：无	Viscosity @ 40°C: 4.56 粘性@ 40°C: 4.56
Boiling Point: >200°C 沸点：>200°C	Freezing/Melting Point: 0-6°C 冰点：0-6°C
Auto ignition Temperature:>240°C 自燃温度：>240°C	Flash point: >160°C 闪点：>160°C
Explosion Limits, lower: Safe, not applicable 爆炸下限：安全	Explosion Limits, upper: Safe, not applicable 爆炸上限：安全
Decomposition Temperature: meaningless 分解温度：无意义	Solubility in Water: unsolvable 溶解性：不溶于水

Section 10 Stability and Reactivity

稳定性和活性

Chemical Stability化学稳定性: Stable under normal operational conditions 正常情况下稳定

Conditions to Avoid 应避免的环境: Avoid oxidizing agents 避免接触氧化剂

Section 11 Toxicological Information

毒性信息

Nontoxic, very mild irritation. Light smell and safe.

无毒，温和。气味轻微、安全。

Rat Oral LD 50(Mg/kg):>5000

Rabbit dermal LD 50(mg/L/4h): Not available

Rat inhalation LC 50: Not available

Section 12 Ecological Information

生态学信息

Not contaminative to the environment. Not belonging to any kind of ocean contamination.

对环境无污染，不属于 9 类海洋污染物。

Section 13 Disposal Considerations

销毁建议

Dispose of according to local requirements. Do not dispose of via sinks, drains or into the immediate environment.

根据当地规定销毁，请勿通过水槽、水沟直接排放

Section 14 Transport Information

运输信息

Suggestion according to IMO/IMDG 建议比照办理的类型和编号:

The substance is not subject to IMO/IMDG.该物质不受 IMO/IMDG 的限制，可按普通货物条件办理。

Packaging Requirements 包装要求: Not Restricted in IMO/IMDG. 普通包装

Transport Hazards: No 运输危害: 无

Environmental Hazards: No. But not drained directly.环境危害: 无，但不得直接排放。

Transport in bulk: No limitation. loaded and stored as normal cargo. 散船运输: 无限制，可按普货存储。

Section 15 Regulatory Information

法规信息

Application Regulations: Not applicable

适用规则： 无

Section 16 Other Information

其他信息

NFPA Ratings: HEALTH HAZARD: 1
国家防火协会划分等级： 健康危害等级： 1
FLAMMABILITY:1
可燃性等级： 1
REACTIVITY:1
反应活性等级： 1
SPECIFIC HAZARD:None
特殊危害性： 无

Label Hazard Warning: Not application

标签危险识别标志： 无

The Material Safety Data Sheet is valid since 1th, Jan, 2021.

本技术说明书从 2021 年 1 月 1 日起生效。

Reported by 报告人:

Company Name: _____

公司名称 (章)

Authorized Person: James Wang

报告人

Signature: _____

签名