

Supplier: FlameOFF® Coatings Inc.

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1. PRODUCT IDENTIFICATION

Product Name: FlameOFF® Bio Clean Industrial

Manufactured by: ThinTech Coatings

2. COMPOSITION

Ingredients	Concentration	CAS Number	ACGIH TLV / OSHA PEL
Proprietary Blend	100%	N/A	N/A / N/A

3. CHEMICAL AND PHYSICAL PROPERTIES

Appearance	Yellowish Liquid	V.O.C	0g/litter
Color	Yellowish	Vapor pressure	Not Determine
State	Liquid	Boiling point	97°C
pH	12.0 - 13.0	Solubility in Water	Readily soluble
Melting point	Not determined	Flammable	Non-flammable liquid
Specific Gravity	1.008	Density	~1005 @ 20°C, kg/m3

4. HAZARD IDENTIFICATION

This product is not considered hazardous as referring to ISO 22000:2018 standard.

Biodegradability through OECD 301C standard, Toxicity Test with Green Seal standard and GPM 360 verification by GPM Global.

Signal Word: None

Precautionary Statements: None

Hazard Statements: None

Hazard Not Otherwise Classified (HNOC): None

Other: Non-GHS Classification

Chemical Safety Level (CSL): Level 1 – Safe

SAE AMS 1550B Certified: Non Corrosive

5. FIRST AID MEASURES

Ingestion: Rinse mouth, do not induce vomiting. Call a doctor/physician immediately.

Eye contact: Rinse with water for several minutes. Flush with water at least 15 minutes, consult a physician immediately.

Skin contact: Not applicable. Seek medical attention if irritation develops due to allergies or skin sensitivity.

6. FIRE FIGHTING MEASURES

Suitable extinguishing media: Not Applicable (Non-flammable)

Hazardous decomposition: Not Applicable

7. ACCIDENTAL RELEASE MEASURES

Personal precaution: Avoid contact with skin, eyes and clothing, wear proper

PPE. Clean up: Just wipe, rinse or flush with water.

8. HANDLING AND STORAGE

No special handling and storage precautions necessary.

9. EXPOSURE CONTROL / PERSONAL PROTECTION

Local Exhaust: Recommended

General Ventilation: Recommended

Hand Protection: Suitable protective gloves recommended

Eye Protection: Safety/protective glasses recommended

10. STABILITY AND REACTIVITY

Stability: Stable under normal condition

Incompatibility (material to avoid): Acid. Incompatible with acid.

Condition to avoid: Do not mix with other chemical.

Dangerous products of decomposition: None under normal use.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity-Oral: XD Bio Cleaner based on calculated LD50 is 2351 mg/kg.

Germ Cell Mutagenicity: XD Bio Cleaner was evaluated to have no reverse mutagenic potential at the highest concentration of 5000 µg/plate with and without metabolic activation system under the present test conditions.

ISO 22000:2018 Certified: Food Safety Management System

12. ECOLOGICAL INFORMATION

Acute (short-term) aquatic hazard:

- a) XD Bio Cleaner - LC50 fish, Danio rerio @ 96 hrs exposure at 1664 mg/L. b) XD Bio Cleaner - EC50 crustacean, Daphnia magna @ 48 hrs exposure at 1689 mg/L.
- c) XD Bio Cleaner - EC50 algae, Pseudokirchneriella subcapitata @ 72 hrs exposure at 2660 mg/L.

Biodegradability:

- a) Tested by SIRIM according to OECD 301C – Modified MITI Test.
- b) 100% of XD Bio Cleaner degraded within 28 days of introducing to basal medium and inoculum.

13. DISPOSAL CONSIDERATION

For large quantities: Dispose of material in accordance with Federal and Local Regulation. Consult with environmental regulatory agencies for guidance.

14. TRANSPORTATION INFORMATION

NOT LISTED under Dangerous Goods by the United Nations Recommendations on the Transport of Dangerous Goods.

HS CODE NO.: 3402.90.1300

UN NO.: NA

PACKING INFORMATION: NON-DANGEROUS GOODS

Air Transport (ICAO & IATA): NON-HAZARDOUS

Sea Transport (IMO & IMDG): NON-HAZARDOUS

Road & Rail Transport (ADR & RID): NON-HAZARDOUS

15. REGULATORY INFORMATION

Occupational Safety and Health (Use and Standards of Exposure of Chemicals Hazardous to Health) Regulation 2000, Occupational Safety and Health Act 1994.

16. OTHER INFORMATION

SDS PREPARATION: January 2025

PREPARED BY: Thintech Coatings

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DISCLAIMER: The information contained herein is based on data considered accurate in light of current formulation. However, no warranty is expressed or implied regarding the accuracy of these results to be obtained from the use thereof.

“Thintech assumes no responsibility for personal injury or property damage caused by the use, storage, or disposal of the product in a manner not recommended on the product label.

Users assume all risks associated with such un-recommended use, storage or disposal of the product.”

It is the user's responsibility to satisfy itself that the information offered for its consideration is suitable for its particular use.

This Chemical Safety Data Sheet is prepared according to the requirement of Occupational Safety and Health (Classification, Labelling and Safety Data Sheet of Hazardous Chemicals) Regulations 2013 (CLASS Regulations) 2013.

17. IMPORTANT LIABILITY DISCLAIMER

The information contained in this Safety Data Sheet (SDS) is believed to be correct as it was obtained from sources we believe are reliable. However, no representations, guarantees, or warranties of any kind are made as to its accuracy, suitability for particular applications, hazards connected with the use of the material, or the results to be obtained from the use thereof. Users assume all risks and liability of any use, processing, or handling of the material. Variations in methods, conditions, and equipment used to store, handle, or process the material, as well as hazards connected with its use, are the sole responsibility of the user. Compliance with all applicable federal, state, and local laws and regulations remains the responsibility of the user. The user must provide a safe workplace, examine all aspects of its operation, and determine if additional precautions are necessary.