

## SAFETY DATA SHEET THINTECH XD BIO CLEANER

### SECTION 1 : CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### 1.1 Product Details

PRODUCT NAME	: XD BIO CLEANER
TRADE NAME	: XD BIO CLEANER
APPLICATION	: Medium to heavy industries. Machineries, maintenance and parts degreasing in all industrial segment.

#### 1.2 Company Identification

MANUFACTURER'S NAME AND ADDRESS	: THINTECH COATINGS Lot B1, Street No. 2, Binh Chieu IZ, Binh Chieu Ward, Thu Duc City, HCMC 70000 Vietnam,
EMERGENCY TELEPHONE NUMBER	: +84 38 8743584/ +84 39 4507067
EMAIL	: <a href="mailto:aaron@thintechcoatings.com">aaron@thintechcoatings.com</a>

### SECTION 2: HAZARD IDENTIFICATION

#### Globally Harmonization System (GHS) Label Elements



Irritant (skin & eye)

#### Globally Harmonization System (GHS) Classification

Skin Irritation Category 2	Causes Skin Irritation
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#### Precautionary Statements

a) If swallowed	Rinse mouth. Do not induce vomiting
b) If on skin	Wash with water and wipe dry.
c) If in eyes	Rinse cautiously with water for several minutes. Remove contact lenses, if present and continue rinsing.
d) If eye irritation persists	Get medical advice/attention.

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<b>Other Non-GHS Classification</b>		
Chemical Safety Level (CSL)	Level 1	
<b>Other: Corrosivity</b>		
SAE AMS 1550B Certified	0.0549 mg/d	
<b>SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS</b>		
<p>The specific identities of one or more components of this product are withheld as Proprietary secret.</p>		
<b>Chemical Name</b>	<b>Wt.%</b>	<b>CAS</b>
Proprietary Blend	<10%	-
<b>SECTION 4 : FIRST AID MEASURES</b>		
<b>Ingestion</b>	: Rinse mouth. Do not induce vomiting. Immediately call a doctor/physician.	
<b>Eye contact</b>	: Rinse cautiously with water for several minutes. Flush with water at least 15 minutes, consult a physician immediately.	
<b>Skin contact</b>	: Not applicable. But get a medical attention if irritation develops due to allergies/ skin sensitivity.	
<p><b>NOTE TO PHYSICIAN:</b> based on the individual reactions of the patient, the physician's judgement should be used to control symptoms and clinical condition.</p>		
<b>SECTION 5 : FIRE FIGHTING MEASURES</b>		
<b>Suitable extinguishing media</b>	Not Applicable (Non-Flammable)	
<b>Hazardous decomposition</b>	Not Applicable	
<b>SECTION 6 : ACCIDENTAL RELEASE MEASURES</b>		
<b>Personal precaution</b>	: Avoid contact with skin, eyes and clothing. Ensure adequate ventilation.	
<b>Clean up</b>	: Just wipe, rinse or flush with water.	
<b>Disposal</b>	: Follow all local and federal regulations.	

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### SECTION 7 : HANDLING AND STORAGE

No special handling and storage precautions necessary.

### SECTION 8 : EXPOSURE CONTROL/PERSONAL PROTECTION

<b>Local exhaust</b>	: Recommended
<b>General Ventilation</b>	: Recommended
<b>Hand Protection</b>	: Suitable protective gloves recommended
<b>Eye Protection</b>	: Safety/protective glasses recommended

### SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Orange Liquid
ODOUR	Unscented
Solubility (in water)	Readily soluble
BOILING POINT	114°C
MELTING POINT	Not determined
VAPOUR PRESSURE (mm of Hg at 25°C)	Not determined
SPECIFIC GRAVITY	~1.005@68/68°F
FLASH POINT	No flash point observed
AUTO IGNITION TEMPERATURE	Not determined
DENSITY	1005@20°C,kg/m <sup>3</sup>
FLAMMABLE	Non-flammable liquid
pH	12.0 to 13.0

**NOTE :** THESE PHYSICAL PROPERTIES ARE THE TYPICAL VALUES FOR THIS PRODUCT AND ARE SUBJECT TO CHANGE.

### SECTION 10 : STABILITY AND REACTIVITY

<b>Stability</b>	: Stable under normal condition.
<b>Incompatibility (material to avoid)</b>	: Acid. Incompatible with acid.
<b>Condition to avoid</b>	: Do not mix with other chemical.
<b>Dangerous products of decomposition</b>	: None under normal use.

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### SECTION 11 : TOXICOLOGICAL INFORMATION

<b>Acute Toxicity-Oral</b>	: XD BIO CLEANER based on calculated LD <sub>50</sub> is 2351 mg/kg.
<b>Skin Irritation</b>	: XD BIO CLEANER is considered as irritant using an in vitro test method based on reconstructed human epidermis.
<b>Germ Cell Mutagenicity</b>	: 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.
<b>ISO 22000:2018 Certified</b>	: Food Safety Management System

### SECTION 12 : ECOLOGICAL INFORMATION

#### Acute (short-term) aquatic hazard

- XD BIO CLEANER - LC<sub>50</sub> fish, Danio rerio @ 96 hrs exposure at 1664 mg/L
- XD BIO CLEANER - EC<sub>50</sub> crustacean, Daphnia magna @ 48 hrs exposure at 1689 mg/L
- XD BIO CLEANER - EC<sub>50</sub> algae, Pseudokirchneriella subcapitata @ 72 hrs exposure at 2660 mg/L

#### Long-term aquatic hazard

- No data available

#### Biodegradability

- Tested by SIRIM according to OECD 301C –Modified MITI Test.
- 100% of XD BIO CLEANER degraded within 28 days of introducing to basal medium and inoculum.

### SECTION 13 : DISPOSAL CONSIDERATION

For large quantities	: Dispose of material in accordance with Federal and Local Regulations. Consult with environmental regulatory agencies for guidance.
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### SECTION 14 : TRANSPORT INFORMATION

Not listed under Dangerous Goods by the United Nations Recommendations on the Transport of Dangerous Goods.

## SAFETY DATA SHEET THINTECH XD BIO CLEANER

The shipper/consignor/sender is responsible to ensure that the packaging, labelling and markings are in compliance with the selected mode of transport

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

### SECTION 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, Malaysia.**

### SECTION 16 : OTHER INFORMATION

**SDS PREPARATION** : May 2023

**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 COATINGS 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.