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Approved By:	Philip Woodnutt

Material Safety Data Sheet

WHCLAB Antifoam

1. PRODUCT AND COMPANY DETAILS

Product

Name of Product: WHCLAB Antifoam

Product Use: Anti-foaming agent, defoamer for fermentation process

Composition: Fatty acid ester with alkyleneoxide-copolymers

Details of the supplier of the safety data sheet

Name of Company: WHC Lab Ltd.

Address: WHC Lab, Prospect Lower, Newcastle, Co. Wicklow, Ireland, A63 H0K8

Emergency Contact Numbers

Director - Tony O'Kane: +353 (0)87 948 3590

Quality & Sales - Philip Woodnutt: +353 (0)89 406 8622

Accounts - Judith Moss: +353 (0)86 896 1901

In case of an emergency please contact the local emergency services.

2. HAZARDS

Classification

This product is not classified according to CLP Regulation (EC) no 1272/2008.

Other Hazards

Not applicable

3. INGREDIENT COMPOSITION

Components	Cas Registry Number	Classification (CLP)
Fatty acid ester with alkyleneoxide-copolymers	-	Not classified

4. FIRST AID PROCEDURES

Description of first aid procedures

Contact with Clothes:	Remove any clothing that has come into contact with/been soiled by the product.
Contact with Skin:	Use soap and water to wash.
Contact with Eyes:	Rinse the affected eye with running water for several minutes, then seek medical advice.
Inhalation:	In the event of inhalation, ensure proper ventilation and seek medical advice if experiencing any discomfort.
Ingestion:	Rinse mouth and drink plenty of water. Avoid inducing vomiting; seek immediate medical advice.

Symptoms and effects

No further information available.

5. FIRE FIGHTING MEASURES

Fire Suppression

Use the appropriate tools or media, such as water, foam, carbon dioxide, or dry powder, if involved in a fire.

Specific risks associated with the substance

There is a low risk of fire and explosion, under typical circumstances for handling, storing, and using the product.

In case of fire, Carbon monoxide (CO) can be released.

Avoid inhaling combustion fumes.

Advice for fire fighters

Put on self-contained breathing apparatus and safety gear for firefighters, such as boots, gloves, and goggles etc.

6. ACCIDENTAL RELEASE CONTROLS

Safety measures, protective gear, and emergency procedures

Wash with water using gloves, boots, and eye protection. If there is a CO release and you're in a closed space, use ventilation or breathing apparatus.

Environmental precautions

Notify the appropriate authorities if there is any leakage into water bodies or sewage systems. Prevent the substance from seeping into the soil or entering sewers, surface water, or groundwater.

Techniques and supplies for containment and cleanup

Use absorbent materials e.g. sand or sawdust to contain the spill. Dispose of the collected material in accordance with regulations.

7. HANDLING AND STORAGE

Packaging Materials

WHCLAB Antifoam is available in 20L containers. This material complies with relevant food-contact legislation, including, EU Regulation 1935/2004 (materials intended for contact with food), EU Regulation 1245/2020 (plastic materials intended for contact with food), EU Regulation 2023/2006 (GMP for materials intended for contact with food), and FDA CFR 21 (174-179) (USA).

Storage and Handling

Storage Conditions: WHCLAB Antifoam should be stored between 5°C to 25°C in a cool, dry place, away from direct sunlight and moisture. The container should be tightly sealed after each use to maintain the quality of the product.

Shelf Life: The expiration date is 2 years from the date of manufacturing. It is recommended to use the product within 1 year of opening the container for optimal results.

Handling: It's a safe product to use if handled properly. In case of eye or skin contact, rinse with plenty of water and seek medical advice if necessary.

Precautions

Keep the product a safe distance away from sources of ignition.

8. EXPOSURE CONTROLS

Conditions

Equip suitable respiratory protective device and safety gear e.g. protective gloves (nitrile rubber), tightly sealed goggles, protective work clothing etc.

Avoid contact with food, drinks, and animal feed. Change out of any dirty or contaminated clothing right away and wash your hands before breaks and at the end of your shift. Follow standard safety precautions when working with chemicals.

9. PHYSICAL, CHEMICAL AND MICROBIOLOGICAL PROPERTIES

Parameter	Unit of Measure	Typical Value
Color	-	Yellow
Form	-	Fluid
Odor	-	Weak, characteristic
Boiling point	°C °F	>200 >392
Melting/freezing point	°C °F	10 50
Flash point	°C °F	>100 >212
Explosive properties:	-	Antifoam itself is not explosive

10. STABILITY/REACTIVITY

Information on toxicological effects

Reactivity	No relevant information available
Chemical stability	Thermal decomposition: No decomposition if used according to specifications.
Potential hazardous byproducts of decomposition	Toxic fumes may form in the event of a fire.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Toxicity:	Even at high doses, there is no acute toxicity.
Skin irritation:	May irritate skin. For typical industrial handling, the risk is low.
Eye irritation:	May irritate eyes. For typical industrial handling, the risk is low.
Respiratory:	May irritate the respiratory tract. For typical industrial handling, the risk is low.

12. ECOLOGICAL INFORMATION

Hazards

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

13. DISPOSAL

Must be specially treated in adherence to all local, state, provincial, and federal regulations when disposing of materials.

Recommended: Packaging can be reused or recycled after being cleaned.

Recommended cleaning agents include water, possibly in combination with cleansing agents.

14. TRANSPORT

Sea:	Applicable
Road/Rail:	Applicable
Air:	Applicable

15. REGULATORY INFORMATION

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

16. OTHER INFORMATION

The information presented here is based on our current understanding. It describes the product in terms of the necessary safety precautions. It does not imply that the product's qualities are guaranteed.

If you have any questions or concerns about our product please contact us at lab@whclab.com