



Material Safety Data Sheet according to 91/155/EC- ISO 11014-1
BIO

M12035



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MSDS No.: TCM 190110-01
Revision: Jan 2025

WHEAT ACID

1. Identification of the substance/preparation and of the company/undertaking

Trade name:

Bio Wheat acid

Intended use:

Laundry rust remover sour.

Company name:

ATLANTIC CARE CHEMICALS PVT. LTD,
Plot No. VI/666 B&C Building No. XV/455 A, ID Plot,
Vadackal (P.O) Alappuzha, Kerala, India - 688003

Customer Care No:

Phone: (0)477 2267834, 835

2. Composition/ information on ingredients

Component	CAS	Weight %
2-hydroxy propanoic acid	79-33-4	15 - 20%
Oxalic acid-plant based	144-62-7	03 - 05%
Citric acid	77-92-9	05 - 10%
R O water	7732-18-5	60 - 65%

3. Hazards identification

- Irritant to eyes and skin; EC Directive 76/768/EEC
- Irritant to respiratory system; EC Directive 76/768/EEC

4. First aid measures

Inhalation:

Move patient to fresh air. Wash mouth and nasal passages with water repeatedly.



BIO WHEAT ACID MSDS SAMPLE





TCT 190110/01
M12035
JAN-2025

BIO WHEAT ACID

Laundry Sour and Rust Remover from natural acids

PRODUCT

WHEAT ACID is a 100% organic plant derived safest liquid Laundry Sour and Rust remover specially designed to neutralize the alkaline residues of detergents, water hardness minerals, and iron in the rinse cycle of laundry programs. It can be used in any type of automatic laundry chemical feeding system. It prevents fabric harshness, excess wear and browning during ironing. It will also eliminate iron stains for superior laundry results. The product is derived from lignocellulosic waste - Cradle to Cradle, highly sustainable product used to replace the most hazardous chemicals used in laundry. Highly effective in removing rust and never affect the texture or color or longevity of washed linens. It's superior rust and stain removal characteristics reduce the need for special fabric treatments. It eliminates fabric discoloration and prevents yellowing of fabric. Lime treated feed stocks are hydrolysed and fermented simultaneously to produce wheat acid by an enzyme preparation and Bacillus coagulants. The acid produced is strong in nature and very effective in removing rust and metallic stain.

BENEFITS - APPLICATION

- High rust removing efficiency.
- Improve chemical efficiency.
- Avoids discolouration of laundered materials.
- Avoids hard water stains.
- Remove metal oxides and stains from fabric.
- Protect the linen from rancidity.
- Avoids rust and metal formation in wash water.
- Increase linen life and longevity.

BENEFITS - ECOLOGICAL

- Natural replacement of rust removing sour.
- Absolute purity and food grade quality.
- Eco friendly & organic
- No offensive smell or unpleasant odor.
- Low volatile in nature.
- Enhanced hard water stability.
- Effective in core alkali neutralization.
- Safe to use in all stages of laundering processing except bleaching.
- Does not affect the shade, hue and handle of textiles.
- It improves effluent quality.
- No exposure hazard.
- Green screen certified.
- No phosphates or phosphonates

BENEFITS - COMMERCIAL

- Improves linen life
- Avoids scale deposition on machine parts and reduce maintenance cost.
- Saves re-wash and cost associated with that.

pH recommendation based on Fabric type

Fabric type	pH range
Washed goods	5.0 - 5.5
Hot wash goods	6.0 - 7.0
Heat color items	5.5 - 6.5

Product Details

Characteristics	Specifications
Colour & appearance	Colourless & Clear Liquid
pH	2.5 - 3.5
Specific gravity	1.00 - 1.02 g/cm ³
Temperature	40 - 70° C
Viscosity	12 - 18 sec

COMMENTS

1. Not recommended for home style machines
pH Level Consequences

Below 5.0: Skin irritation. Risk of acid damage to cotton fiber
 Below 6.0: Rolling in flat work ironers. Damage to dyed goods.
 Accepted for other clothes
 Above 8.0: Skin irritation. Alkaline damage to cotton goods
 Above 8.5: Alkaline hydrolysis to polyester

TECHNICAL SUPPORT

Our technical service team has developed the following technical tools to assist our customers for optimum product performance.

- Product application training
- Laundry training manual
- Brilliant wash formulas

PACKAGING

25kg Can.

SHELF LIFE

24 months from the date of manufacturing.

Health and safety

H phrases: H302 H314 H335
 H410
 H411

Hazard of bioaccumulation
 Causes serious eye irritation
 Causes skin irritation

P phrases

P201 User must read label carefully and as required
 P214 Use medical attention when you feel ill
 P231 If in eyes, rinse immediately with plenty of water
 P262 Wash thoroughly after use
 P302 P352 Rinse skin with water/shower

Atlantic guarantees that our products comply with the sales specifications. The information contained in this document is true and reliable and is given in good faith based on our current knowledge. The customers may satisfy themselves (by appropriate testing if necessary) that the product is suitable for their purposes and conditions of use and ensure compliance with local legislation. Users are requested to check that they are in possession of the latest version of this document and we are at their disposal to supply any additional information.

Certification



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CHEMICAL SAMPLE INFORMATION CHART SAMPLE



Verified By

Betsy

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Dr. BETSY THOMAS

MD, FRCOG, DNB, MICOG

PRINCIPAL

AMALA INSTITUTE OF MEDICAL SCIENCES

AMALA NAGAR, THRISSUR-680 555

Amala Institute of Medical Sciences (An Undertaking of Amala Cancer Hospital Society)

Affiliated to Kerala University of Health Sciences Accredited by KUHS with QAS A+ Grade

NABH & NABL Accredited & ISO 9001:2015 Certified, Amala Nagar P.O, Thrissur, Kerala.

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