

Screened Chemistry Program Assessment for
ANTICHLOR 100

ANTICHLOR 100, a reducing agent to remove manganese dioxide discharges, supplied by Fineotex Chemical Limited, was assessed under the requirements of the Screened Chemistry Program. This company has confirmed compliance with the program requirements as follows:

- Full disclosure and assessment of all ingredients intentionally added and all impurities at greater than 0.01% (100 ppm)
- Contains no chemicals listed on California Proposition 65, the Zero Discharge of Hazardous Chemicals (ZDHC) – Manufacturing Restricted Substances list, and the AFIRM List

All ingredients are assessed against the U.S. EPA Safer Chemical Ingredient List (SCIL) and the Screened Chemistry Priority Chemical Lists (PCL). Chemicals not on SCIL require a full GHS+hazard assessment. If the product contains a polymer that is not on the SCIL, then this is assessed under similar requirements of the U.S. EPA Safer Choice Program, polymer requirements.

Each ingredient in a product is then scored per the Screened Chemistry criteria to determine the overall product score and classifying the product as “Preferred” (score of 35 – 50), “Needs Improvement” (score of 20 – 34) or “Phase Out” (score of 19 or less).

ANTICHLOR 100 received an overall score of 40 (40.00) Green, Preferred

This report contains the following:

- Screened Chemistry ingredient detail and scoring summary
- ANTICHLOR 100 SDS
- ANTICHLOR 100 TDS

References:

1. U.S. EPA Safer Choice Program 2017. Safer Chemicals Ingredient List (SCIL). Available at : <https://www.epa.gov/saferchoice/safer-ingredients>
2. U.S. EPA Safer Choice Program, 2015. Safer Choice Program Master Criteria for Safer Ingredients (Version 2.1). Available at: <https://www.epa.gov/saferchoice/standard>

MATERIAL SAFETY DATA SHEET
according to the **Global Harmonized System**



ANTICHLOR 100

Revision Date 12.07.2018

Print Date 20.07.2019

1. Product and Company Identification:


Identification of the substance or mixture	ANTICHLOR 100
Recommended use of the product and restrictions on use	Pre-treatment - used in textile industries Only for industrial use
Manufacturer / supplier's details	FINEOTEX CHEMICAL LIMITED 42,43 Manorma chambers', S.V. Road, Bandra –West, Mumbai -400050 INDIA
Emergency phone number	+ 91 22 26559174 -75- 76 -77
E Mail ID	purva@fineotex.com

2. Hazardous Identification:

GHS Classification

Physical Hazards	None
Health Hazards	Skin Irrit. 2 Eye Irrit.2 STOT SE 3

GHS Label Elements

Signal word	Warning
Pictogram	 Exclamation mark
Hazard statement	H 319 : Causes serious eyes irritation H 315 : Causes serious skin irritation. H 335 : May cause respiratory irritation.
Precautionary statements (Prevention)	P264 – Wash thoroughly after handling P280 – Wear eye protection/face protection. P261 – Avoid breathing/gas/fumes/vapours/spray P 271 –Use only outdoors or in a well ventilated area
Precautionary statements (Response)	P305 + P351 + P 338 – If in eyes: ring cautiously with water for several minutes. Continue rinsing. doctor/physician P 337 + P 313 : If eyes irritation : get medical advice / attention P302+P 352 – If on skin – wash with plenty water P 321 – Specific treatment-see on label P 332+P 313 – If screen irritation occurs- get medical advice / attention P 362+P 364 – Take of contamination clothing and wash it before reuse

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	<p>P 304+P 340 – If inhaled – remove person to fresh air and keep comfortable for breathing. P 312 – Please call poison center/doctor –if you feel unwell</p>
Disposal	<p>P501: Dispose of contents / container in accordance with local / regional/ national / international regulations.</p>
Storage	<p>P 403+P 333 – Store in well ventilated place. Keep container tightly closed. P 405 – Stored locked up</p>

3. Composition/information on ingredients:

Chemical Name	CAS No.	EC No.	Concentration %	GHS classification
Beta Alanine	107-95-9	203-536-5	100 %	H 315 Skin Irrit. 2 H 319 Eye Irrit.2 H 335 STOT SE 3

4. First aid measures:

Description of necessary measures according to routes of exposure

Eye Contact: Immediately wash eyes after any exposure with plenty of water. Remove particles remaining under the eyelids. Get medical attention if irritation persists.

Skin Contact: Remove silica gel absorbent dust from skin using soap and water.

Ingestion: DO NOT induce vomiting. Rinse mouth with water and give 2-4 capfuls of water or milk to drink, if conscious. Seek immediate medical attention. As in any instance of non-food consumption, seek medical attention in the event of any adverse symptoms.

Inhalation: Remove to fresh air. Seek medical attention if symptoms persist.

Notes to Physician: Treat symptomatically based on judgement of doctor and individual reactions of patient. Most important symptoms and effects, both acute and delayed: Irritant effects, cough, shortness of breath.

5. Firefighting measures:

Suitable Extinguishing Media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Specific hazards during firefighting : Do not use a solid water stream as it may scatter and spread fire. Do not allow run-off from fire fighting to enter drains or water courses.

Specific hazards during firefighting: In the event of fire, wear self-contained breathing apparatus.

Additional information: Fire residues and contaminated firefighting water must be disposed off in accordance with local regulations.

6. Accidental release measures:

Spill and Leak procedures: Sweep or vacuum material when possible and shovel into a waste container. Residuals may be flushed with water into the drain for normal wastewater treatment. This is a non-hazardous waste suitable for disposal in an approved solid waste landfill.

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Caution: Wear appropriate respirator. Use caution after contact of product with water.

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7. Handling and storage:

Handling: Handle as an eye and respiratory tract irritant. Wash thoroughly after handling. Use only in a well-ventilated area. Minimize dust generation and accumulation. Do not get in eyes or on skin.

Precautions for safe handling: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.

Storage: Hygroscopic. Keep in tightly closed containers. Store in a cool, dry place; not above 40°C. Observe all warnings and precautions listed for the product.

8. Exposure control and personal protection:

General Information: The components of this product are not regulated as hazardous. However, the potential for respiratory tract irritation as a result of inhalation of this material as a respirable dust is recognized and process enclosure, local exhaust ventilation or other engineering controls to control airborne levels below recommended exposure limits.

Engineering Controls: Use adequate general or local exhaust ventilation to keep airborne

Engineering Controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

Appropriate engineering controls: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Provide adequate general and local exhaust ventilation.

Respiratory Protection: Provide local exhaust ventilation to maintain worker exposure to less than allowed. Otherwise wear a suitable respirator with a high efficiency filter.

Protective Gloves: Impervious

Eye Protection: Splash-proof safety goggles.

Other Protection Equipment: Impervious apron, eyewash facility, emergency shower.

9. Physical and Chemical properties:

Appearance	: Crystal
Colour	: White
Odour	: Characteristic
pH value (1 % solution at 20°C)	: 4 ± 1 (20 °C,)
Melting point/ freezing	: Not determined
Boiling point/boiling range	: Not applicable
Flammability	: Not applicable
Decomposition temperature	: Not determined
Kinematic viscosity	: Not determined
Solubility in / miscibility with water	: soluble in water
Partition coefficient n-Octanol/water (log value)	: Not determined
Vapour pressure	: Not applicable
Vapour density	: Not applicable
Density and / or relative density	: Not applicable
Explosive properties	: Not explosive

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Oxidizing properties : Not oxidizing
Degree of the Explosion : Product does not present an explosion hazard
Shelf Life : 12 months in close original container

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10. Stability and Reactivity:

Chemical Stability: This material is chemically stable at room temperature in closed containers, under normal storage and handling conditions. No decomposition if used as directed.

Conditions to Avoid: Store protected from moisture. Incompatible materials and dust generation.

Hazardous Decomposition Products: None under normal use

Incompatibilities with Other Materials: None

Hazardous Polymerization: No information available

11. Toxicological information

Information on toxicological effects

Inhalation: High concentration of mist may cause irritation to upper respiratory tract

Skin Contact: Repeat and prolonged contact may cause irritation. Wash immediately with water.

Eye Contact: May cause eye irritation. Irrigate immediately with plenty of clean water.

Ingestion: No information available Long Term Exposure : Treat symptomatically. Seek Medical

Advice Acute toxicity LD50/ Oral /Rat: > 2000mg/kg. Primary skin irritation/ Rabbit/OECD404;

Non irritant. Primary mucous membrane irritation/ Rabbits' eyes / OECD 405;

Irritant. All the ingredients have LD50/Oral/rat :> 2000mg /kg

12. Ecological Information:

Toxicity:

Environmental toxicity:

Acute and prolonged toxicity to fish: OECD Guideline 203 zebra fish/LC50 (96 h): 10 - 100 mg/l

Acute toxicity to aquatic invertebrates: Daphnia magna/EC50 (48 h): 10 - 100 mg/l

Toxicity to aquatic plants: green algae/EC50 (72 h): 10 - 100 mg/l 12.2

Persistence and degradability:

Biodegradation:

Test method: mod. OECD 303A

Method of analysis: Bismuth-active substance

Degree of elimination: >= 90 %

Test method: OECD 301B; ISO 9439; 92/69/EEC, C.4-C

Method of analysis: CO2 formation relative to the theoretical value

Degree of elimination: > 60 % (28 d)

Evaluation: Analogous: Assessment derived from products with similar chemical character. Readily biodegradable.

Bio-accumulation: Bio-accumulation not expected

Mobility Data: unavailable

Assessment of PBT and VPVB Characteristics: Data unavailable

Other harmful effects: None

13. Disposal consideration:

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Waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

Dispose of in accordance with all local, state and federal regulations.

All empty packaging should be disposed of in accordance with Local, State, and Federal Regulations or recycled/reconditioned at an approved facility.

Contact a specialist disposal company or the local waste regulator for advice.

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14. Transport information:

	Land transport	Sea transport	Air transport
UN Number	Not regulated	Not regulated	Not regulated
UN proper Shipping Name	Not regulated	Not regulated	Not regulated
Transport hazard class (es)	Not applicable	Not applicable	Not applicable
Packing group, if applicable	Not applicable	Not applicable	Not applicable
Environmental hazards	No	No	No
Special precautions for user	See Sanction 2	See Sanction 2	See Sanction 2
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Cod	Not regulated	Not regulated	Not regulated

15. Regulation information:

Labelling according to EU Directives: The product is not classified as dangerous according to EU Dangerous Preparations Directive (DPD) 1999/45/EC and hence does not require a hazard warning label. However, the normal safety precautions for handling of chemicals must be observed.

Code letter and hazard designation (symbol) of product: None

H phrases: H 315 Irritating to skin

H 319 Causes serious eye irritation.

H 335 Irritating to respiratory system

Safety phrases: Not known

Substances restricted under EU Marketing and Use Directive 76/769/EEC: None

Substances of Very High Concern (SVHC) according to REACH, Article 57: None

National requirements in India

The Factories Act, 1948

The Motor Vehicles Act, 1988

Labeling in accordance with Indian regulations: The product does not require a hazard label in accordance with Indian regulation.

16. Other information:

This safety data sheet has been prepared in accordance with GHS standard format, 2015 (Revision No.6)

GHS classification: The GHS calculation method has been used for classification of this mixture.

Full text of H-Statements referred to under Sections 2:

The risk phrases shown below are for the component substances which are listed in section 2.

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The risk phrases shown below are for the component substances which are listed in section 2 and not for the actual finished formulation.

H phrases: H 315 Irritating to skin
H 319 Causes serious eye irritation.
H 335 Irritating to respiratory system

S phrases: Not known

Please note that, when diluted to the recommended working concentration with water, the working fluid will not be classified as hazardous to health.

Hazards are concentration dependent. Therefore, for the actual hazard classification and risk / safety phrases appropriate for the actual finished product refer to section 15.

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Date of preparation : 12/07/2019

Revision No.: 01

Reason for revision : Revised the SDS according to GHS Hazard communication

Training advice: The product does not require any special training before use. Usage and handling instructions are mentioned in the Material Safety Data Sheet.

Recommended restrictions on use: The product should not be used for purposes other than shown in the product data sheet.

The information provided on this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

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TECHNICAL INFORMATION**ANTICHLOR 100**

After treatment agent for bleaching processes

Function : Reducing agent to remove manganese dioxide discharges

Properties : Concentrated, powder reducing agent

Effective from 20°C

Rapid removal of manganese dioxide which is formed during bleaching process with potassium permanganate

Can also be used for dechlorination after hypochloride bleaching

Chemical Characteristics: Amino acid

Technical Data

Appearance : White Crystals

Shelf life : 1 year in closed original containers.

Protect from high temperature!

Application

ANTICHLOR 100 is used for the complete removal of manganese oxide and permanganate residues in bleaching process and after spray application on readymade garments.

Guide recipe

Fill machine with water at 20 – 40°C

Liquor ration 10:1; 15:1) after bleaching, treat with

0, 15 - 1 % ANTICHLOR 100

Then, rinse twice with cold water. Fabric can then be stone washed or softened.

NOTE: The above information is in good faith but without warranty.