

Material Safety Data Sheet AHA FRUITACIDS

1. Identification of the substance/preparation and trade name

Trade name: AHA fruit acids
Utilization: Raw material for cosmetic preparations
Company identification: **XI'AN AOGU BIOTECH CO.,LTD,**
Room 1703, Block B, Baode Yungu International, 52 Jinye 1st Road,
Xi'an Hi-Tech Zone, Shaanxi Province 710075
Emergency: 0086-18091843361

2. Hazards Identification

2.1. Classification of the substance or mixture

In compliance with EC regulation No. 1272/2008 and its amendments.

Not applicable

In compliance with directives 67/548/EEC, 1999/45/EC and their amendments.

Not applicable

2.2. Information concerning particular hazards

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version. The classification is according to the latest editions of the EU-lists, and extended by company and literature data. Labelling according to EU guidelines: Observe the general safety regulations when handling chemicals. The substance is not subject to classification according to EU lists and other sources of literature known to us.

2.3. Other hazards

Results of PBT and vPvB assessment: PBT: Not applicable, vPvB: Not applicable.

3. Composition / Information on ingredients

Chemical characterization: Substances

CAS: 84082-34-8 EINECS: 281-983-5 Vaccinium Myrtillus Fruit Extract 27.5-29.5%

CAS: 91722-22-4 EINECS: 294-424-5 Saccharum Officinarum (Sugar Cane) Extract 11.0-13.0%

CAS: 8028-48-6 EINECS: 232-433-8 Citrus Aurantium Dulcis (Orange) Fruit Extract 13.0-15.0%

CAS: 84929-31-7 EINECS: 284-515-8 Citrus Limon (Lemon) Fruit Extract 13.0-15.0%

CAS: 91770-22-8 EC number: 194-807-7 Acer Saccharum (Sugar Maple) Extract 11.0-20.0%

Chemical characterization: Mixtures

SVHC Not applicable

Additional information: For the wording of the listed risk phrases refer to section 16.

4. First Aid

Description of first aid measures

After inhalation: Remove individual to fresh air. Seek medical treatment in case of complaints.

After skin contact: Immediately rinse with water. If irritation develops, seek medical attention. Remove contaminated clothing immediately and launder before re-use.

After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing: Rinse out mouth and then drink plenty of water. If symptoms persist consult doctor. DO NOT give

anything by mouth if the person is unconscious or is having convulsions.

Most important symptoms and effects, both acute and delayed See section 11

Indication of any immediate medical attention and special treatment needed: Treat symptomatically

5. Fire-fighting Measures

Extinguishing media

Suitable extinguishing agents: CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Special hazards arising from the substance or mixture In case of fire, the following can be released: Carbon monoxide (CO), Carbon Dioxide (CO₂). Do not allow run-off from fire fighting to enter drains or water courses

Advice for firefighters

Protective equipment: You are recommended to use an approved Self-Contained Breathing Apparatus (SCBA)

Additional information In case of fire use normal fire fighting equipment.

6. Accidental release measures:

Personal precautions, protective equipment and emergency procedures:

Wear protective equipment. Keep unprotected persons away. You are recommended to use an approved Self Contained Breathing Apparatus (SCBA). In case of fire use normal fire fighting equipment.

Environmental precautions: Inform all downstream users of possible contamination. Stop source of spill as soon as possible and notify site or duty manager. Do not allow to enter sewers/ surface or ground water. This material is soluble in water. Prevent from spreading (e.g. by damming-in or oil barriers). Vapours may be suppressed by use of a water fog.

Methods and material for containment and cleaning up: Spill materials may be absorbed using sand, clay or non-combustible absorbent. Contain all liquid for treatment and or disposal as a hazardous waste. Do not place spill material back into original containers. Dispose contaminated material as waste according to item 13.

7. Handling and Storage

Precautions for safe handling : Do not take internally. Warm gently & Mix well prior to using

Conditions for safe storage, including any incompatibilities

Storage: store under cool, dry, dark conditions. Isolate from incompatible materials

Incompatible materials: Strong Oxidisers

Specific end use(s) No further relevant information available.

8. Exposure Controls and Personal Protection

Exposure controls

General protective and hygienic measures: Have an emergency eye wash and shower available in immediate area.

Respiratory protection: Use suitable respiratory protective device only when aerosol or mist is formed.

Protection of hands: Impervious gloves. Material of gloves: The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374

derived from it. Gloves must be inspected prior to use. Replace when worn. Penetration time of glove material The exact breakthrough time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection: Safety glasses

Body protection: Impervious protective clothing. Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.

Limitation and supervision of exposure into the environment The product should not be allowed to enter drains, water courses or the soil See Section 6.



9. Physical and Chemical Properties

Physical state:	Powder
Colour:	colourless to pale yellow
Odour:	characteristic
pH value:	4,0 - 5,0
Solubility(ies):	soluble in water

10. Stability and Reactivity

Reactivity and Chemical stability

Stable until: Product is stable at normal room temperature

Conditions to avoid No further relevant information available.

Incompatible materials: Strong Oxidising agents

Hazardous decomposition products: Carbon monoxide and carbon dioxide

11. Toxicological Information

Information on toxicological effects

LD/LC50 values relevant for classification: Product values :

Oral LD50: Believed to be > 5.0g/kg Dermal LD50: Believed to be >2.0 g/kg

On the skin: Not expected to be irritating to the skin

On the eye: Not expected to be irritating to the eye. No corneal or visual impairment is expected.

Inhalation: Not expected to be toxic by inhalation

Ingestion: Not expected to be toxic by ingestion. Acute exposure may result in gastrointestinal irritation with any or all of the following symptoms, nausea, vomiting, lethargy or diarrhoea.

Sensitization: No sensitizing effects known.

Additional toxicological information: The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

Carcinogenicity: Not known to be Carcinogenic

Mutagenicity: Not known to be Mutagenic

Reproductive & development toxicity: Not known to be reproductive or developmental toxin

CMR effects (carcinogenity, mutagenicity and toxicity for reproduction): not CMR

12. Ecological Information

Toxicity

Acquatic toxicity: No further relevant information available.

Persistence and degradability: No further relevant information available.

Bioaccumulative potential: No further relevant information available. Mobility in soil No further relevant information available.

Additional ecological information:

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

Results of PBT and vPvB assessment

PBT: Not applicable. vPvB: Not applicable.

Other adverse effects: No further relevant information available.

13. Disposal Considerations

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

Recommendation: Care must be taken to prevent environment contamination from the use of this material. The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, national and EU laws, directives and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.

14. Transport Information

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2013 - IMDG 2012 - ICAO/IATA 2013).

UN number - not

applicable Marine pollutant:

No

Special precautions for user: Not applicable.

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable.

Transport/Additional information: Not dangerous according to the above specifications.

15. Additional Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture Water hazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16. Other Information

Disclaimer

This material safety data sheet does not constitute a guarantee of the properties of the product and is not a contractual legal report. The information is given in good faith on the basis of our best knowledge of the product at the indicated time. However, we cannot accept responsibility or liability for any consequences arising from its use, no warranty for correctness and completeness is given. We caution the users against the incurred possible risks when the product is used at other ends than the use for which it was initially planned. It is the user's responsibility during handling, storage and product use to consult the main regulatory texts in force regarding workers and environment protection.