NOSB NATIONAL LIST FILE CHECKLIST

PROCESSING

MATERIAL NAME: #23 Sodium Tartrate

NOSB Database Form

References

MSDS (or equivalent)

FASP (FDA)

TAP Reviews from: Joe Montecalvo, Rich Theuer

NOSB/NATIONAL LIST COMMENT FORM PROCESSING

Material Name: #23 Sodium Tartrate

COMMENTS/QUESTIONS:

Please u.	se this p	page to	write	down	comments,	questions,	and your	anticipated	vote(s).

1. In my opinion, this material is:
Synthetic Non-synthetic.
Symmetic Non-symmetic.
2. Should this material be allowed in an "organic food" (95% or higher organic
ingredients)? Yes No
(IF NO, PROCEED TO QUESTION 3.)
3. Should this substance be allowed in a "food made with organic ingredients" (50% or
higher organic ingredients)? Yes No

TAP REVIEWER COMMENT FORM for USDA/NOSB

Use this page or an equivalent to write down comments and summarize your evaluation regarding the data presented in the file of this potential National List material. Complete both sides of page. Attach additional sheets if you wish.

This file is due back to us	s by: <u>Sept 5, 1995</u>
Name of Material:	lium Tartrate
Reviewer Name: DR.	JOE Monteralus
appropriatej	netic
If synthetic, how is the mater form is blank) Probably obtain Extraction Entertain and t	rial made? (please answer here if our database infl Arthe Rodium SAIT of FARTARIC Acid during its om grapes, Since grapes contain the highest level of found in Nature. C this is hypothetical since I could not Ginc Any Eurther into on this compound.) Ided to the National List as:
Synthetic Allowed	Prohibited Natural
	ved as an ingredient in organic food) ved as a processing aid for organic food)
or, this material sh	ould not be on the National List
Are there any use restriction placed on this material on	ons or limitations that should be the National List? <u>NO</u>
Please comment on the accuracy	y of the information in the file: 0.10
Any additional comments?	(attachments welcomed) - <u>No</u>
Do you have a commercial inter	rest in this material? Yes; No Date

Please address the 7 criteria in the Organic Foods Production Act: (comment in those areas you feel are applicable)

(1) the potential of such substances for detrimental chemical interactions with other materials used in organic farming systems;

llone

- (2) the toxicity and mode of action of the substance and of its breakdown products or any contaminants, and their persistence and areas of concentration in the environment;
- (3) the probability of environmental contamination during manufacture, use, misuse or disposal of such substance; perce
- (4) the effect of the substance on human health;

probably similiar to KtARTRATE

- (5) the effects of the substance on biological and chemical interactions in the agroecosystem, including the physiological effects of the substance on soil organisms (including the salt index and solubility of the soil), crops and livestock; $\rho \text{Robability} \text{ (ow}$
- (6) the alternatives to using the substance in terms of practices or other available materials; and ρ me
- (7) its compatibility with a system of sustainable agriculture.

TAP REVIEWER COMMENT FORM for USDA/NOSB

Use this page or an equivalent to write down comments and summarize your evaluation regarding the data presented in the file of this potential National List material. Complete both sides of page. Attach additional sheets if you wish.

	Sept 5, 1995
Name of Material: Sodium	Tartrate
Reviewer Name: Reviewer Name:	
Is this substance Synthetic or no appropriate) SYNTHET	
If synthetic, how is the material made	e? (please answer here if our database
form is blank)	DON'T KNOW IF "TARTRATE
SOLVUM PARCI MARCES II	DAN'T KNOW IF "TARTRATE
SODIUM HYDROXIUE). I	
This material should be added to	the Medianal II.
Synthetic Allowed	Prohibited Natural
Non-synthetic (Allowed as a p	HOUDERING TIN TON ANGENIE F J\
or, this material should n	
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or, this material should n Are there any use restrictions or placed on this material on the N Don'T KNOW, SODUM TARTRATE IS SONUM CITRATE TE TARTRATE	limitations that should be ational List? SA SEPUESTRANT, AS IS PART IS SYNTHETIC, IT SHOULD ONE WON-SYNTHETIC "CITRATE! Information in the file: AVAILABLE SOURCE & MANAGER

Please address the 7 criteria in the Organic Foods Production Act: (comment in those areas you feel are applicable)

(1) the potential of such substances for detrimental chemical interactions with other materials used in organic farming systems;

NO PROBLEM

(2) the toxicity and mode of action of the substance and of its breakdown products or any contaminants, and their persistence and areas of concentration in the environment;

NO ISSUE

(3) the probability of environmental contamination during manufacture, use, misuse or disposal of such substance;

DON'T KNOW

(4) the effect of the substance on human health;

SAFE - NUTRITIONS

(5) the effects of the substance on biological and chemical interactions in the agroecosystem, including the physiological effects of the substance on soil organisms (including the salt index and solubility of the soil), crops and livestock;

0/

(6) the alternatives to using the substance in terms of practices or other available materials; and

SORUM CITRATE

(7) its compatibility with a system of sustainable agriculture.

OK IF NON-SYNTHETIC

NOSB Materials Database

Identification

Common Name

Sodium tartrate

Chemical Name

Other Names

Disodium tartrate

Code #: CAS

N. L. Category Non-agricultural Code #: Other

MSDS

yes Ono

Chemistry

Family

Composition

C₄H₄Na₂O₆.2H₂O

Properties

Transparent, colorless, odorless crystals. Soluble in water, insoluble in alcohol. Upon ignition, it emits

the odor of burning sugar and leaves a residue that is alkaline and effervesces with acids.

How Made

Use/Action

Type of Use

Specific Use(s)

Processing Sequestrant.

Action

Combinations

<u>Status</u>

OFPA

N. L. Restriction

EPA, FDA, etc

Directions

Safety Guidelines

State Differences

Historical status

Internation | status

NOSB Materials Database

OFPA Criteria

2119(m)1: chemical interactions

Not Applicable

2119(m)2: toxicity & persistence

Not Applicable

2119(m)3: manufacture & disposal consequences

2119(m)4: effect on human health

2119(m)5: agroecosystem biology

Not Applicable

2119(m)6: alternatives to substance

2119(m)7: Is it compatible?

References

The Merck Index, 10th edition. 1983. Merck and Co., Inc., Rahway, NJ

MATERIAL SAFETY DATA SHEET SODIUM TARTRATE

SECTION I - Product Identification PRODUCT NAME: SODIUM TARTRATE FORMULA: NAO2C(CHOH)2CO2NA.2H2O FORMULA WT: 230.08 CAS NO.: COMMON SYNONYMS: TARTARIC ACID DISODIUM SALT Precautionary Labeling N/A SECTION II - Hazardous Components NONE SECTION III - Physical Data BOILING POINT: N/A VAPOR PRESSURE @ 20C (MM HG): N/A MELTING POINT: 120C * VAPOR DENSITY (AIR=1): N/A SPECIFIC GRAVITY: 1.82 EVAPORATION RATE: N/A (H2O=1)(BUTYL ACETATE=1) SOLUBILITY(H2O): 25 PERCENT VOLATILES BY VOLUME: N/A APPEARANCE & ODOR: WHITE CRYSTALLINE POWDER SECTION IV - Fire and Explosion Hazard Data FLASH POINT: **UNAVA** FLAMMABLE LIMITS: UPPER - N/A % LOWER - UNAVA % FIRE EXTINGUISHING MEDIA WATER, FOAM, CO2 SPECIAL FIRE-FIGHTING PROCEDURES WEAR SELF-CONTAINED BREATHING APPARATUS UNUSUAL FIRE AND EXPLOSION HAZARDS NONE INDICATED SECTION V - Health Hazard Data THRESHOLD LIMIT VALUE (TLV/TWA): NONE ESTABLISHED TOXICITY: ORL-RBT LDLO: 5290 MG/KG EFFECTS OF OVEREXPOSURE NO ILL EFFECTS KNOWN **EMERGENCY AND FIRST AID PROCEDURES** SKIN: WASH WITH SOAP AND WATER EYES: FLUSH THOROUGHLY WITH WATER INHALATION: REMOVE TO FRESH AIR GET MEDICAL ASSISTANCE FOR ALL CASES OF OVEREXPOSURE SECTION VI - Reactivity Data STABILITY: STABLE CONDITIONS TO AVOID: NONE INDICATED

DECOMPOSITION PRODUCTS: COX
SECTION VII - Spill and Disposal Procedures
STEPS TO BE TAKEN IN THE EVENT OF A SPILL OR DISCHARGE TAKE UP & CONTAINERIZE FOR PROPER DISPOSAL
SECTION VIII - Protective Equipment
PROVIDE ADEQUATE GENERAL MECHANICAL VENTILATION PROTECT EYES AND SKIN WITH SAFETY GOGGLES AND GLOVES AVOID CONTACT WITH SKIN, EYES, AND MUCOUS MEMBRANES
SECTION IX - Storage and Handling Precautions
KEEP CONTAINER CLOSED WHEN NOT IN USE STORE AT CONTROLLED ROOM TEMPERATURE WASH THOROUGHLY AFTER HANDLING
SECTION X - Transportation Data and Additional Information
* MELTING POINT: LOSES 2H2O AT 120C
(TM) and (R) · Registered Trademarks

(TM) and (R) : Registered Trademarks $N/A = Not \ Applicable \ OR \ Not \ Available$

The information published in this Material Safety Data Sheet has been compiled from our experience and data presented in various technical publications. It is the user's responsibility to determine the suitability of this information for adoption of necessary safety precautions. We reserve the right to revise Material Safety Data Sheets periodically as new information becomes available.

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U.S. FOOD AND DRUG ADMINISTRATION FOOD ADDITIVE SAFETY PROFILE

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MG/KG BW/DAY/PERSON LBS/YR MG/KG BW/DAY/PERSON FU-C 30 1977 HUMAN CONSUMPTION:
MARKET DISAPPEARANCE:
MARKET SURVEY:
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LAST UPDATE: 000868188 2776 NUL 0207 AS#: ASP#: YPE: AS#: EMA#:

DENSITY:

LOGP:

B3 TRUCTURE CATEGORIES:

OMPONENTS:

YNONYMS:

DISODIUM TARTRATE
SODIUM L-TARTRATE
BUTANEDIOIC ACID, 2,3-DIHYDROXY- (R-(R*,R*))-, DISODIUM
SALT
DISODIUM 2,3-DIHYDROXYBUTANEDIOATE, (R-(R*,R*))TARTARIC ACID, DISODIUM SALT
DISODIUM L-TARTRATE
SODIUM L(+)-TARTRATE

HEMICAL FUNCTION:

EMULSIFIER OR EMULSIFIER SALT PH CONTROL AGENT SEQUESTRANT ECHNICAL EFFECT:

133.173 184.1801 150.141 FR REG NUMBERS:

133.179 150.161

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: SINEMINC

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