



## MATERIAL SAFETY DATA SHEET

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifiers

Product name : Beta-Carotene 1% CWS

#### 1.2 Details of the supplier of the safety data sheet

Contact Information:

Company: Aurora Industry Co.,Ltd.

Address:Room 7033, No.9-1, Haifu Road, Dalian Free Trade Zone, China

Tel:0411-82288674

### SECTION 2: Composition, Information on Ingredients

CAS Number	Name
7235-40-7	$\beta$ -Carotene
66829-29-6	Starch sodium octenyl succinate
9000-1-5	Arabic gum
10191-41-0	Vitamin E
134-03-2	Vitamin C
7631-86-9	Silicon dioxide
8001-21-6	Edible vegetable oil
9050-36-6	Maltodextrin

### SECTION 3: Hazards identification

EMERGENCY OVERVIEW

Risk of explosion if heated under confinement.

HMIS RATING

HEALTH: 0

FLAMMABILITY: 0

REACTIVITY: 1

NFPA RATING

HEALTH: 0

FLAMMABILITY: 0

REACTIVITY: 1

For additional information on toxicity, please refer to Section 11.

### SECTION 4: First aid measures

ORAL EXPOSURE

If swallowed, wash out mouth with water provided person is conscious. Call a physician.

INHALATION EXPOSURE



If inhaled, remove to fresh air. If breathing becomes difficult, call a physician. DERMAL EXPOSURE

In case of contact, immediately wash skin with soap and copious amounts of water. EYE EXPOSURE

In case of contact with eyes, flush with copious amounts of water for at least 10 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

## **SECTION 5: Firefighting measures**

### EXPLOSION DATA

Dust Potential: This material, like most materials in powder form, is capable of creating a dust explosion.

### EXTINGUISHING MEDIA

Suitable: Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.

### FIREFIGHTING

Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Specific Hazard(s): Emits toxic fumes under fire conditions.

## **SECTION 6: Accidental release measures**

### PROCEDURE (S) OF PERSONAL PRECAUTION (S)

Exercise appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of dust.

### METHODS FOR CLEANING UP

Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

## **SECTION 7: Handling and storage**

### HANDLING

User Exposure: Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure. Open carefully.

### STORAGE

Suitable: Keep dry and tightly closed and protected from direct sunlight and moisture. Store at a temperature below 25°C place.

### SPECIAL REQUIREMENTS

Once opened, run out as soon as possible. Air and light sensitive.

## **SECTION 8: Exposure controls/personal protection**

### ENGINEERING CONTROLS

Safety shower and eye bath. Mechanical exhaust required.

### PERSONAL PROTECTIVE EQUIPMENT



Respiratory: Wear dust mask

Hand: Protective gloves.

Eye: Chemical safety goggles. GENERAL

#### HYGIENE MEASURES

Wash thoroughly after handling.

### SECTION 9: Physical and chemical properties

Appearance and odor:

Free-flowing red-orange powder with faint characteristic odor Physical properties:

Loss on drying:  $\leq 5\%$

Sieve Analysis:  $\geq 95\%$  Through 40# Sieve(US) Solubility: May dispersed in cool water forming a emulsion.

### SECTION 10: Stability and reactivity

Chemical Stability: Stable under normal temperatures and pressures.

Conditions to Avoid: Incompatible materials, light, dust generation, exposure to air, acids, excess heat, strong oxidants.

Incompatibilities with Other Materials: Air, oxidizing agents, acids.

Hazardous Decomposition Products: Carbon monoxide, irritating and toxic fumes and gases, carbon dioxide.

Hazardous Polymerization: Has not been reported.

### SECTION 11: Toxicological information

Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA. Epidemiology:

No information found.

Teratogenicity: No information found.

Reproductive Effects: No information found.

Neurotoxicity: No information found.

Mutagenicity: No information found.

Other Studies: See actual entry in RTECS for complete information.

### SECTION 12: Ecological information

No data available.

### SECTION 13: Disposal considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste.

US EPA guidelines for the classification determination are listed in 40 CFR Parts

261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.



RCRA P-Series: None listed. RCRA

U-Series: None listed.

**SECTION 14: Transport information**

No data available.

**SECTION 15: Regulatory information**

N/A

US FEDERAL

TSCA

CAS# 7235-40-7 is listed on the TSCA inventory.

Health & Safety Reporting List

None of the chemicals are on the Health & Safety Reporting List.

Chemical Test Rules

None of the chemicals in this product are under a Chemical Test Rule. Section 12b

None of the chemicals are listed under TSCA Section 12b. TSCA

Significant New Use Rule

None of the chemicals in this material have a SNUR under TSCA. SARA

CERCLA Hazardous Substances and corresponding RQs None

of the chemicals in this material have an RQ. SARA Section

302 Extremely Hazardous Substances None of the chemicals in

this product have a TPQ. Section 313

No chemicals are reportable under Section 313.

Clean Air Act:

This material does not contain any hazardous air pollutants. This

material does not contain any Class 1 Ozone depleters. This

material does not contain any Class 2 Ozone depleters. Clean

Water Act:

None of the chemicals in this product are listed as Hazardous Substances under the CWA. None of

the chemicals in this product are listed as Priority Pollutants under the CWA. None of the

chemicals in this product are listed as Toxic Pollutants under the CWA.

OSHA:

None of the chemicals in this product are considered highly hazardous by OSHA. STATE

Beta-Carotene is not present on state lists from CA, PA, MN, MA, FL, or NJ. California No

Significant Risk Level: None of the chemicals in this product are listed.

European/International Regulations

European Labeling in Accordance with EC Directives



Hazard Symbols: Not available.

Risk Phrases:

Safety Phrases:

S 24/25 Avoid contact with skin and eyes. WGK

(Water Danger/Protection)

CAS# 7235-40-7: 0

United Kingdom Occupational Exposure Limits

United Kingdom Maximum Exposure Limits

Canada

CAS# 7235-40-7 is listed on Canada's DSL List.

WHMIS: Not available.

CAS# 7235-40-7 is not listed on Canada's Ingredient Disclosure List.

Exposure Limits

## **SECTION 16: Other information**

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This safety data sheet should be used in conjunction with technical sheets. It does not replace them. The information given is based on our knowledge of this product, at the time of publication. It is given in good faith. The attention of the user is drawn to the possible risks incurred by using the product for any other purpose other than that for which it was intended. This does not in any way excuse the user from knowing and applying all the regulations governing his activity. It is the sole responsibility of the user to take all precautions required in handling the product. The aim of the mandatory regulations mentioned is to help the user to fulfill his obligations regarding the use of hazardous products. This information is not exhaustive. This does not exonerate the user from ensuring that legal obligations, other than those mentioned, relating to the use and storage of the product, do not exist. This is solely his responsibility.