



WATER SPECIALIST SUPPLY CO.,LTD.

Call : 034-440-851-3, 095-367-5790

Sales : 089-695-8181, 083-705-1000, 089-160-6121

MATERIAL SAFTY DATA SHEET

ASCORBIC ACID

PRODUCT:ASCORBIC ACID (VITAMIN C)

SECTION 01: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

WATER SPECIALIST SUPPLY CO.,LTD.

78/7 Moo4 Khae Rai, Krathum Baen, Samut Sakhon 74110

Call (+66) 34-440-851 to 3 , (+66) 95-367-5790

Fax (+66) 34-440-851 to 3 ext.105

Email : Water_wss@hotmail.com

PREPARED BY..... Water Specialist Supply CO.,LTD
PREPARATION DATE..... 12/September/16
PRODUCT NAME.....Ascorbic Acid(Vitamin C).
CHEMICAL FORMULA.....C6H8O6 .
MOLECULAR WEIGHT.....176.12 g·mol-1.
CHEMICAL FAMILY..... ORGANIC COMPOUND .
USE..... Food chemistry used as antioxidant food additives.
EMERGENCY PHONE NO..... (+66)34-440-851 to 3 or (+66)95-367-5790

SECTION 02 : COMPOSITION/INFORMATION ON INGREDIENT

Table with 4 columns: Ingredients, Content, C.A.S.#, EINCES #. Row 1: L(+)-Ascorbic acid, 99%, 50-81-7, 200-066-2

Hazard Symbols: None listed

Risk Phrases: None listed

SECTION 03: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

Potential Health Effects

Eye : May cause eye irritation.

Skin: May cause skin irritation. Low hazard for usual industrial handling.

Ingestion: May cause irritation of the digestive tract. Low hazard for usual industrial handling.

Inhalation: Chronic: May cause respiratory tract irritation. Low hazard for usual industrial handling.

SECTION 04 : FIRST AID MEASURES

INSTRUCTIONS:

Eye: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Skin: Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

Ingestion: Get medical aid. Wash mouth out with water.

Inhalation: Remove from exposure and move to fresh air immediately. Get medical aid.

Notes to physician : Treat symptomatically and supportively.

SECTION 05 :FIRE FIGHTING MEASURES

General Information:

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

Extinguishing Media:

Use water spray, dry chemical, carbon dioxide, or chemical foam.

SECTION 06 : ACCIDENTAL RELEASE MEASURES

General Information:

Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks:

Vacuum or sweep up material and place into a suitable disposal container. Do not let this chemical enter the environment.



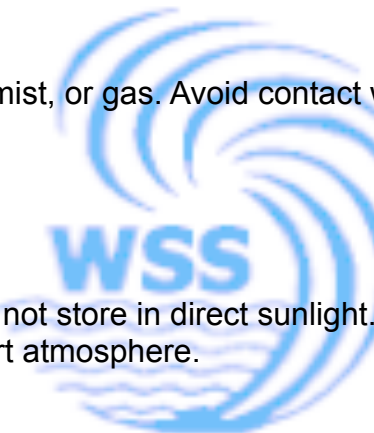
SECTION 07 : HANDLING AND STORAGE

Handling Precaution:

Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes. Avoid ingestion and inhalation.

Storage Precautions:

Store in a cool, dry place. Do not store in direct sunlight. Store in a tightly closed container. Store under an inert atmosphere.



SECTION 08 : EXPOSE CONTROL/PERSONAL PROTECTION

Engineering Control :

Use adequate ventilation to keep airborne concentrations low.

Exposure Limits :

CAS# 50817:

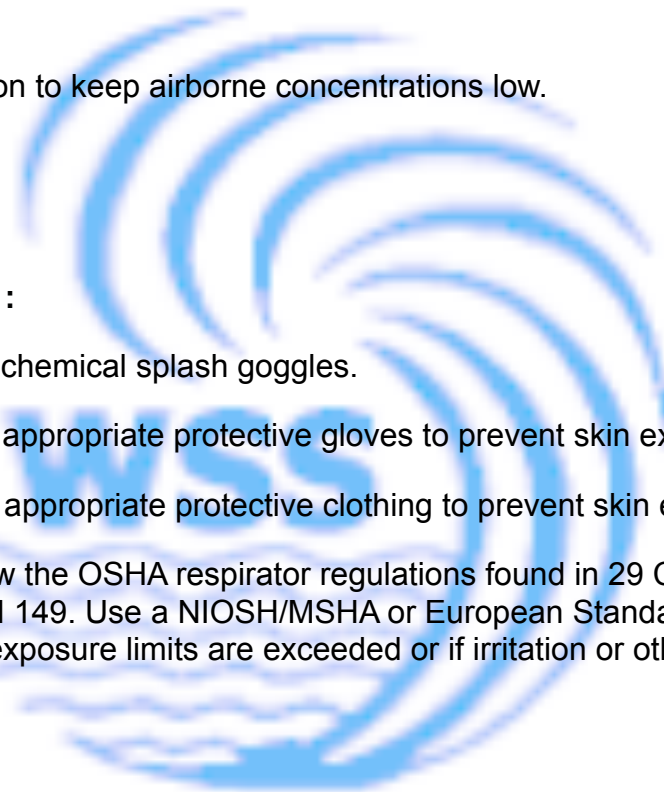
Personal Respirators :

Eye Protection: Wear chemical splash goggles.

Skin Protection:Wear appropriate protective gloves to prevent skin exposure.

Clothing : Wear appropriate protective clothing to prevent skin exposure.

Respiratory : Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.



SECTION 09 :PHYSICAL AND CHEMICAL PROPERTIES

Physical state :	Crystals
Colour :	white to almost white
Odour :	Not available.
Vapor Pressure (mm Hg) :	Not available
Viscosity:	Not available
Boiling Point:	Not available
Freezing/Melting Point:	190 to 192 °C (374 to 378 °F; 463 to 465 K) decomposes
Autoignition Temperature:	380 °C(716.00°F)
Density/Specific Gravity :	2.2 @68 F .
Flash Point:	Not available
Explosion Limits: Lower:	Not available
Explosion Limits: Upper:	Not available
Decomposition Temperature:	Not available
Solubility in water:	333 g/l (20°C)
Specific Gravity/Density:	1.65 g/cm ³
Molecular Formula:	C ₆ H ₈ O ₆
Molecular Weight:	176.13

SECTION 10:STABILITY AND REACTIVITY

Stability:

Stable under normal temperatures and pressures. Air sensitive. Light sensitive.

Condition To Avoid:

Incompatible materials, light, exposure to air, heating to decomposition.

Incompatibilities with Other Materials :

Strong oxidizing agents, aluminum, copper, copper alloys, zinc.

Hazardous Decomposition:

Carbon monoxide, carbon dioxide.

Hazardous Decomposition Products:

Will not occur.

SECTION 11 : TOXICOLOGICAL INFORMATION

RTECS#: CAS# 50817: CI7650000

LD50/LC50: RTECS:

CAS# 50-81-7: Oral, mouse: LD50 = 3367 mg/kg;

Oral, rat: LD50 = 11900 mg/kg;

Carcinogenicity:

L(+)*Ascorbic acid* Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.

Other:

See actual entry in RTECS for complete information. The toxicological properties have not been fully investigated.

SECTION 12 : ECOLOGICAL CONSIDERATION

Ecotoxicity:

Fish: Leuciscus idus: LC50: 33000mg/l; 48 h



SECTION 13 : DISPOSAL CONSIDERATION

Dispose of in a manner consistent with federal, state, and local regulations.



SECTION 14 : TRANSPORT INFORMATION

	IATA	IMO	RID/ADR
Shipping Name: Not regulated as a hazardous material	Not regulated as a hazardous material	Not regulated as a hazardous materia	Not regulated
Hazard Class: Not regulated as a hazardous material	Not regulated as a hazardous material	Not regulated as a hazardous materia	Not regulated
UN Number: Not regulated as a hazardous material	Not regulated as a hazardous material	Not regulated as a hazardous materia	Not regulated
Packing Group: Not regulated as a hazardous material	Not regulated as a hazardous material	Not regulated as a hazardous materia	Not regulated

SECTION 15 : REGULATORY INFORMATION

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)

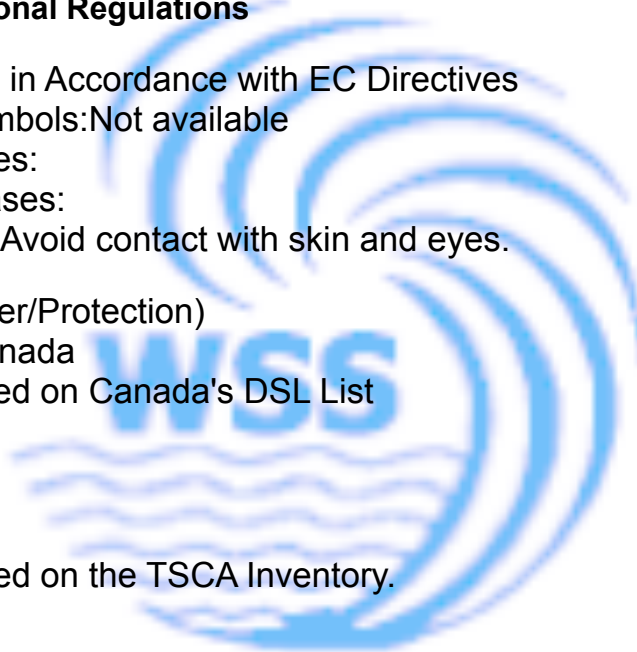
CAS# 50817: 0 Canada

CAS# 50817 is listed on Canada's DSL List

US Federal

TSCA

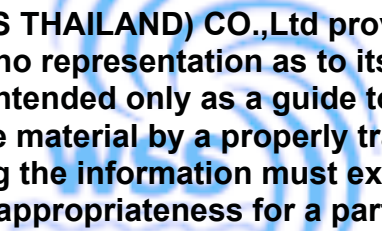
CAS# 50817 is listed on the TSCA Inventory.



SECTION 16 : OTHER INFORMATION

Disclaimer :

Water Specialist Supply(WSS THAILAND) CO.,Ltd provide information contained here in good faith but make no representation as to its comprehensiveness or accuracy.This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product.Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.

The logo for Water Specialist Supply (WSS) is a circular emblem. It features a central blue circle with a white 'S' inside. Surrounding this are several concentric blue circles of varying thicknesses, creating a ripple effect. At the bottom of the emblem, there are three horizontal wavy lines representing water.