



PAT Vitamins, Inc.

17181 E. Gale Ave., Unit C, City of Industry CA 91745 USA

Tel: (626) 810-8886 Fax: (626) 810-6601

Website: www.PATvitamins.com

Material Safety Data Sheet

SECTION 1. CHEMICAL IDENTIFICATION

	PRODUCT #	PRODUCT NAME	
PRODUCT:	10-8141	ASCORBIC ACID USP	325 MESH

SECTION 2. COMPOSITION ON INGREDIENTS

CAS #: 50-81-7
MOLECULAR FORMULA: C₆H₈O₆
SYNONYMS: ASCORBIC ACID, L-ASCORBIC ACID, VITAMIN C

SECTION 3. HEALTH HAZARDS

CAUTION: AVOID CONTACT AND INHALATION.
CONTACT WITH THE POWDER OR ITS DUSTS MAY CAUSE IRRITATION OF THE EYES, SKIN AND RESPIRATORY TRACT. INGESTION OF LARGE AMOUNTS MAY CAUSE GASTRIC DISTURBANCES. SENSITIZATION MAY OCCUR IN SOME INDIVIDUALS.
OVEREXPOSURE MAY RESULT IN SENSITIZATION, LEADING TO ALLERGIC REACTIONS. CHRONIC INGESTION OF LARGE DOSES OF VITAMIN C MAY CAUSE GASTRO-INTESTINAL DISTURBANCES, INCLUDING NAUSEA AND DIARRHEA, URINARY EFFECTS INVOLVING URINE ACIDIFICATION, OXALATE AND URIC ACID CRYSTALLIZATION IN THE BLADDER AND KIDNEY AND DECREASED REACTION TIMES AND PSYCHOMOTOR COORDINATION.

SECTION 4. FIRST AID MEASURES

IF SWALLOWED:
IF LARGE AMOUNTS OF VITAMIN C ARE INGESTED, DILUTE WITH WATER AND IMMEDIATELY INDUCE VOMITING. NEVER GIVE FLUIDS OR INDUCE VOMITING IF THE VICTIM IS UNCONSCIOUS OR HAVING CONVULSIONS. GET IMMEDIATE MEDICAL ATTENTION.

IF INHALED:
MOVE TO FRESH AIR. AID IN BREATHING, IF NECESSARY, AND GET IMMEDIATE MEDICAL ATTENTION.

EYE CONTACT:
IMMEDIATELY RINSE EYES WITH RUNNING WATER FOR 15 MINUTES. IF IRRITATION DEVELOPS, GET MEDICAL ATTENTION.

SKIN CONTACT:
WASH AFFECTED AREAS WITH SOAP AND WATER. REMOVE AND LAUNDER CONTAMINATED CLOTHING BEFORE REUSE. IF IRRITATION DEVELOPS, GET MEDICAL ATTENTION.

SPECIAL PROCEDURES:
NONE



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SECTION 5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA

USE WATER, DRY EXTINGUISHING MEDIA, CARBON DIOXIDE (CO₂) OR FOAM.

SPECIAL FIREFIGHTING PROCEDURES

FIREFIGHTER SHOULD BE EQUIPPED WITH SELF-CONTAINED BREATHING APPARATUS AND TURN OUT GEAR.

UNUSUAL FIRE AND EXPLOSIONS HAZARDS

ENSURE ADEQUATE VENTILATION TO MINIMIZE DUSTING.

SECTION 6. ACCIDENTAL RELEASE MEASURES

SPILLS SHOULD BE CONTAINED AND PLACED IN SUITABLE CONTAINERS FOR DISPOSAL IN A LICENSED FACILITY. THIS MATERIAL IS NOT REGULATED BY RCRA OR CERCLA ("SUPERFUND"). WEAR APPROPRIATE RESPIRATORY PROTECTION AND PROTECTIVE CLOTHING AND PROVIDE ADEQUATE VENTILATION DURING CLEAN-UP.

SECTION 7. HANDLING AND STORAGE

GENERAL:

STORE AT MODERATE TEMPERATURES IN TIGHT, LIGHT-RESISTANT CONTAINERS.

HANDLING:

REFER TO SECTION 8.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

CLOTHING:

GLOVES, COVERALLS, APRON, AND BOOTS AS NECESSARY TO PREVENT CONTACT.

EYES: CHEMICAL GOGGLES

RESPIRATION:

IF DUSTS ARE GENERATED, WEAR AN APPROVED DUST RESPIRATOR.

VENTILATION:

USE LOCAL EXHAUST TO CONTROL DUSTS.

EXPLOSION PROOFING:

NONE REQUIRED.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

COLOR: WHITE TO OFF WHITE

FORM/APPEARANCE: CRYSTALLINE POWDER

ODOR: ODORLESS

SPECIFIC GRAVITY: NOT AVAILABLE

BULK DENSITY: NOT AVAILABLE

PH: 2.1-2.6 (5% AQ SOLN)

BOILING POINT: NOT AVAILABLE

FREEZING POINT: ~190°C 1 ATMOSPHERES

DECOMP. TMP: >190°C 1 ATMOSPHERES

SOLUBILITY IN WATER DESCRIPTION:

FREELY SOLUBLE IN WATER, SPARINGLY SOLUBLE IN ALCOHOL, INSOLUBLE IN CHOROFORM, ETHER AND BENZENE.



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SECTION 10. STABILITY AND REACTIVITY

STABILITY DATA: STABLE

INCOMPATIBILITY: NONE KNOWN.

CONDITIONS/HAZARDS TO AVOID: HEAT, LIGHT, MOISTURE AND AIR.

HAZARDOUS DECOMPOSITION/POLYMERIZATION:

HAZARDOUS DECOMPOSITION PRODUCTS: NONE KNOWN.

POLYMERIZATION: DOES NOT OCCUR.

CORROSIVE PROPERTIES: CORROSIVE TO METAL.

OXIDIZER PROPERTIES: NOT AN OXIDIZER

SECTION 11. TOXICOLOGICAL INFORMATION

TOXICOLOGY TEST DATA:

MOUSE, ORAL LD50 - > 10 G/KG

PRACTICALLY NONTOXIC

HUMAN OCCUPATIONAL EXPOSURE EXPERIENCE -

SLIGHT TO MODERATE SENSITIZER

ASCORBIC ACID AT HIGH DOSE - 8.9 G/KG/DAY

TOX TEST RATING NOT FOUND

ACUTE OVEREXPOSURE EFFECTS:

CONTACT WITH THE POWDER OR ITS DUSTS MAY CAUSE IRRITATION OF THE EYES, SKIN AND RESPIRATORY TRACT. INGESTION OF LARGE AMOUNTS MAY CAUSE GASTRIC DISTURBANCES. SENSITIZATION MAY OCCUR IN SOME INDIVIDUALS.

CHRONIC OVEREXPOSURE EFFECTS:

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SECTION 12. ECOLOGICAL INFORMATION

INHIBITION OF ACTIVATED SLUDGE - < OR = TO 1G/L

NO INHIBITION

BOD/COD CALCULATION FOR ELIMINABILITY - 70 PERCENT

GOOD POTENTIAL FOR ELIMINATION

GOLDEN ORFE, STATIC 96 HR LC50 - >1000 <2200MG/L

PRACTICALLY NONTOXIC

SECTION 13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL:

INCINERATE IN A LICENSED FACILITY. DO NOT DISCHARGE INTO WATERWAYS OR SEWER SYSTEM.

CONTAINER DISPOSAL:

DISPOSE OF IN A LICENSED FACILITY. RECOMMEND CRUSHING OR OTHER MEANS TO PREVENT UNAUTHORIZED REUSE.



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SECTION 14. TRANSPORT INFORMATION

DOT PROPER SHIPPING NAME: N/A
DOT TECHNICAL NAME: N/A
DOT PRIMARY HAZARD CLASS: N/A
DOT SECONDARY HAZARD CLASS: N/A
DOT LABEL REQUIRED: N/A
DOT PLACARD REQUIRED: N/A
DOT POISON CONSTITUENT: N/A
BILL OF LADING DESCRIPTION:

NOT REGULATED BY THE DEPARTMENT OF TRANSPORTATION

SECTION 15. REGULATORY INFORMATION

TSCA INVENTORY STATUS

LISTED ON INVENTORY: YES

SECTION 16. OTHER INFORMATION

THE ABOVE INFORMATION IS BELIEVED TO BE CORRECT BUT DOES NOT PURPORT TO BE ALL INCLUSIVE AND SHALL BE USED AS A GUIDE. PAT VITAMINS, INC. SHALL NOT BE HELD LIABLE FOR AND DAMAGE RESULTING FROM HANDLING OR FROM CONTACT WITH THE ABOVE PRODUCT. SEE REVERSE SIDE OF INVOICE FOR ADDITIONAL TERMS AND CONDITIONS OF SALE.