



PRODUCT IDENTIFICATION

DESCRIPTION:	ORANGE SWEET	CAS NUMBER:	8028-48-6
BOTANICAL NAME:		FEMA NUMBER:	2825
		FDA NUMBER:	182.20

COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT(S)	CAS NUMBER	PERCENTAGE %
---------------	------------	-----------------

HEALTH HAZARD DATA

ROUTE(S) OF ENTRY

INHALATION: N

SKIN: N

INGESTION: N

HEALTH HAZARDS ACUTE AND CHRONIC:

CARCINOGEN: N

MUTAGEN: N

REPRODUCTIVE HAZARD: N

FIRST AID MEASURES

EYES: IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES, OCCASIONALLY LIFTING THE UPPER AND LOWER EYELIDS.

SKIN: IMMEDIATELY FLUSH SKIN WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES WHILE REMOVING CONTAMINATED CLOTHING AND SHOES.

INGESTION: DO NOT INDUCE VOMITING. GET MEDICAL AID IF IRRITATION OF SYMPTOMS OCCURS.

INHALATION: REMOVE FROM EXPOSURE AND MOVE TO FRESH AIR IMMEDIATELY. GET MEDICAL ASSISTANCE IF COUGH OR OTHER SYMPTOMS APPEAR.

FIREFIGHTING MEASURES

FLASH POINT: 51 °C CLOSED CUP

UPPER EXPLOSION LEVEL: N/A

LOWER EXPLOSION LEVEL: N/A

EXTINGUISHING MATERIAL: CO₂, DRY POWDER OR FOAM TYPE EXTINGUISHERS

SPECIAL FIRE FIGHTING PROCEDURES: WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN AND EYES.

HAZARDOUS MATERIAL INFORMATION SYSTEM

HEALTH: 1

FLAMMABILITY: 2

REACTIVITY: 0

PERSONAL PROTECTION: B

ACCIDENTAL RELEASE MEASURES

PROCEDURE: REMOVE ANY SOURCE OF FLAME OR SPARKS. IF IN A CONFINED AREA NIOSH APPROVED RESPIRATORY PROTECTION MAY BE REQUIRED. REMOVE INDIVIDUALS FROM THE AREA IF THEY DO NOT HAVE RESPIRATORY/DUST PROTECTION. SPRAY MATERIAL WITH WATER TO PREVENT DUSTING AND REMOVE TO AN APPROVED DISPOSAL CONTAINER. FOLLOW FEDERAL, STATE AND LOCAL PROCEDURES FOR CLEANING UP OF POWDER. DISPOSE OF IN ACCORDANCE WITH CURRENT LAWS AND REGULATIONS.

PRECAUTIONS FOR SAFE HANDLING AND USE

HANDLE ACCORDING TO GOOD SAFETY PROCEDURES, AVOIDING UNNECESSARY EXPOSURE BY WEARING APPROPRIATE PROTECTIVE GEAR FOR THE SITUATION. STORE IN FULL CLOSED CONTAINERS IN A COOL DRY AREA AWAY FROM HEAT, LIGHT AND SOURCES OF IGNITION.

EXPOSURE CONTROL / PPE

EYES: MODERATE TO SEVERE IRRITATION

SKIN: MAY CAUSE IRRITATION

RESPIRATORY: RESPIRATORY PROTECTION IS NORMALLY NOT REQUIRED IN WELL VENTILATED AREAS. HOWEVER, APPROVED RESPIRATORY PROTECTION MAY BE REQUIRED WHEN THE MATERIAL IS RATED TOXIC BY INHALATION OR IF THE MATERIAL IS TO BE USED IN A CONFINED AREA.

OSHA PERMISSIBLE EXPOSURE LIMIT (PEL): N/F

OSHA THRESHOLD LIMIT VALUE (TLV): N/F

PHYSICAL & CHEMICAL PROPERTIES

APPEARANCE: COLORLESS TO DEEP ORANGE LIQUID
ODOR: CHARACTERISTIC FRESH, SWEET ORANGE ODOR
REFRACTIVE INDEX: 1.4730
SPECIFIC GRAVITY: 0.8428
SOLUBILITY: INSOLUBLE

REACTIVITY DATA

CHEMICAL STABILITY: Y
SUBSTANCES TO BE AVOIDED: STRONG OXIDIZING AGENTS, STRONG REDUCING AGENTS
HAZARDOUS DECOMPOSITION PRODUCTS: CARBON MONOXIDE, CARBON DIOXIDE
EPA TSCA: LISTED **CAL PROP 65:** NO

DISPOSAL CONSIDERATIONS

TREATMENT, STORAGE, TRANSPORTATION AND DISPOSAL MUST BE IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS.

ADDITIONAL INFORMATION

INTERNATIONAL REGULATIONS

RISK PHRASES: R10 R38 R43
R50/53 R65
SAFETY PHRASES: S24 S37 S61 S62

The information contained in this Material Safety Data Sheet was obtained from current and reputable sources. However this data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. It is the user's responsibility both to determine safe conditions for use of this product and to assume liability for loss, injury, damage or expense resulting from improper use of this product. Many federal and state; regulations pertain directly or indirectly to the product's end use and disposal of containers and unused material. It is the purchaser's responsibility to familiarize themselves with all applicable regulations.