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Material Safety Data Sheet
ORGANIC ORANGE SWEET - USA
Citrus sinensis
ESSENTIAL OIL

Info	Identification
FEMA No	
CAS No.	8000-57-9
Chemical Name	
Health	Slightly hazardous.
Flammability	Will ignite if moderately heated.
Reactivity	Stable and not reactive with water.
Info	Fire, Explosion & Reactivity
Flash Point	230 F
Extinguishing Media	CO2-Yes FOAM-Yes DRY-Yes
Dot Classification	CLASS B:
Stability	UNSTABLE
NFPA Classification	
Fire Fighting	SMOTHER TO EXCLUDE AIR. DO NOT USE WATER. HANDLE AS OIL ON FIRE. CLASS B FORE PROCEDURES. FIREFIGHTERS SHOULD WEAR SELF-CONTAINED BREATHING APARATUS.
Unusual Fire Hazard	COMBUSTIBLE LIQUID. KEEP AWAY FROM HEAT, SPARKS, AND OPEN FLAME. GUARD AGAINST SPONTANEOUS COMBUSTION OF IMPROPERLY DISCARDED OIL RAGS.
Hazardous Combustible Decomposition Products	WHEN HEATED TO DECMPOSITION D-LIMONENE EMITS ACRID SMOKE, FUMES, CO AND CO2.
Info	Physical Data

Colour & Odour	BRIGHT & CLEAR; YELLOW TO ORANGE LIQUID; CHARACTERISTIC ODOUR OF FRESH SWEET ORANGE PEEL
Boiling Point	310F
Melting Point	
Vapour Pressure	2MMHG
Vapour Density	
Water Solubility	NOT SOLUBLE
Info	Protection Data
Respiratory	AVOID EXCESSIVE BREATHING OF VAPORS IF VAPOR CONCENTRATION BECOMES HIGH, USE SELF-CONTAINED AIR MASK
Ventilation	LOCAL EXHAUST – YES MECHANICAL EXHAUST - YES, OTHERWISE RECOMMENDED IF NECESSARY.
Skin	OIL CHEMICALLY RESISTANT GLOVES SUCH AS NEOPRENE, PVC, OR BUTYL.
Eye	CHEMICAL SPLASH GOGGLES OR FACE SHIELD.
Other	OIL RESISTANT APRON PROTECTIVE EQUIPMENT: PUMPS, FANS, ETC. EXPLOSION PROOFED MOTORS.
Info	Occupational Exposure Limit
Threshold Limit	NOT ESTABLISHED FOR D-LIMONENE OR CITRUS OILS
OSHA Permissible Limit	
Carcinogen	NOT A CARCINOGEN OR POTENTIAL CARCINOGEN
NTP Limit	
IARC Limit	
OSHA Limit	
Carcinogen Notes	
Info	Health Hazards
Material Type	COLD EXPRESSED ESSENTIAL OIL
Health Hazard	LIQUID MAY IRRITATE EYES-LIQUID MAY IRRITATE SKIN-LIQUID MAY CAUSE DERMATITIS
Primary Entry Routes	INHALATION-SKIN-EYE-INGESTION
Health Hazard Notes	AVOID STRONG ACIDS & BASES (VOLATILE IN THE PRESENCE). HANDLE SIMILAR TO D-LIMONENE CITRUS OILS AND LIMONENE MAY BE MODERATE IRRITANT TO SKIN, EYES, THROAT & RESPIRATORY PASSAGES. PROLONGED OR REPEATED EXPOSURE CAN CAUSE

	DRYING, DEFATTING, AND DERMATITIS.
Info	Emergency First Aid
Inhalation	REMOVE PERSON TO VENTILATED AREA. IF SYMPTOMS PERSIST SEEK-MEDICAL ATTENTION.
Eye Contact	REMOVE CONTACTS IMMEDIATELY. FLUSH WITH WATER FOR AT LEAST 15-MINUTES. IF IRRITATION PERSISTS, SEEK A PHYSICIAN.
Skin Contact	WASH AFFECTED AREA WITH COPIOUS AMOUNTS OF SOAP AND WATER. CALL-A DOCTOR IF IRRITATION DEVELOPES. COMPLETELY DECONTAMINATE-CLOTHING, SHOES, AND LEATHER GOODS BEFORE RE-USE OR DISCARD.
Ingestion	DO NOT INDUCE VOMITING. RINSE MOUTH WITH WATER, THEN DRINK-ONE GLASS OF WATER. CONTACT A PHYSICIAN IMMEDIATELY. NEVER-GIVE ANYTHING BY MOUTH IF VICTIM IS UNCONSCIOUS, IS RAPIDLY-LOSING CONSCIOUSNESS, OR IS CONVULSING.
First Aid Notes	
Info	Spill, Leakage & Disposal Procedures
Spill Procedures	USE PROTECTIVE GLOVES TO AVOID SKIN CONTACT.- SMALL SPILLS: WIPE UP WITH PAPER RAGS AND PLACE IN CLOSED METAL CONTAINERS. LARGE SPILLS: ABSORBED BY DIRT, SAND, OR OTHER SUITABLE ABSORBANTS FOR DISPOSAL-USE NON-FLAMMABLE ABSORBANT. KEEP AREA FREE FROM FLAME AND OR SPARKS.-DO NOT HOSE SPILLS DOWN DRAINS, SEWERS, OR WATERWAYS. D-LIMONENE MAY BE-TOXIC TO AQUATIC ORGANISMS. MOVE LEAKING CONTAINERS TO WELL VENTILATED AREA.-NO SMOKING. ELIMINATE ANY SOURCE OF IGNITION. MINIMIZE INHALATION. USE-NIOSH APPROVED RESPIRATORY PROTECTION DEVICE. CAUTION: SLIPPERY ON FLOOR.
Waste Disposal	VIA LAND FILL AND/OR DILUTION AND SPRAY FIELD APPLICATION - INCINERATE OR DISPOSE IN ACCORDANCE WITH LOCAL REGULATIONS.
Info	Handling & Shipping Procedures
Handling & Shipping Procedures	STORE IN WELL-FILLED INERT GAS-PURGED DRUMS NOT TO EXCEED 68 F (20c) TO PREVENT OXIDANT AND PRESERVE QUALITY. SHOULD USE EPOXY LINED OR FLAVOR FREE PHENOLIC CONTAINERS.
Info	SARA 313 Chemical Breakdown
SARA Chemical Name	