

Flavor West Manufacturing, LLC. Version No: 1.1 Safety Data Sheet according to OSHA HazCom Standard (2012) requirements

Chemwatch Hazard Alert Code: 2

Issue Date: 05/24/2021

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# SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

# **Product Identifier**

Product name	FW-ODB N&A Orange Dream Bar Flavor	
Synonyms	Not Available	
Proper shipping name	Extracts, flavoring, liquid	
Other means of identification	Not Available	

# Relevant identified uses of the substance or mixture and uses advised against

Relevant identified	Use according to manufacturer's directions.
uses	

### Details of the manufacturer/importer

Registered company name	Flavor West Manufacturing, LLC.	
Address	9400 Hunco Way, Lake Elsinore CA 92530 United States	
Telephone	51) 893-5120	
Fax	(714) 276-1621	
Website	www.FlavorWest.com	
Email	Flavor@FlavorWest.com	

### **Emergency telephone number**

Association / Organisation	Chemwatch
Emergency telephone numbers	see below
Other emergency telephone numbers	see below

# CHEMWATCH EMERGENCY RESPONSE

Primary Number	Alternative Number 1	Alternative Number 2
877 715 9305	+612 9186 1132	Not Available

Once connected and if the message is not in your prefered language then please dial 01

Una vez conectado y si el mensaje no está en su idioma preferido, por favor marque 02

### **SECTION 2 HAZARDS IDENTIFICATION**

### Classification of the substance or mixture



**GHS Classification** Skin Sensitizer Category 1, Eye Irritation Category 2A, Flammable Liquid Category 3

# Label elements

GHS label elements	
SIGNAL WORD	WARNING

### Hazard statement(s)

H317	May cause an allergic skin reaction	
H319	Causes serious eye irritation	
H226	Flammable liquid and vapour	

### Precautionary statement(s) Prevention

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.	
P233	Keep container tightly closed.	
P280	Wear protective gloves/protective clothing/eye protection/face protection.	
P240	Ground/bond container and receiving equipment.	
P241	Use explosion-proof electrical/ventilating/lighting/intrinsically safe equipment.	
P242	Use only non-sparking tools.	
P243	Take precautionary measures against static discharge.	
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.	
P272	Contaminated work clothing should not be allowed out of the workplace.	

### Precautionary statement(s) Response

P363	Wash contaminated clothing before reuse.	
P370+P378	In case of fire: Use alcohol resistant foam or normal protein foam for extinction.	
P302+P352	IF ON SKIN: Wash with plenty of water and soap	
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.	
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.	
P337+P313	If eye irritation persists: Get medical advice/attention.	
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.	

# Precautionary statement(s) Storage

P403+P235	Store in a well-ventilated place. Keep cool.

# Precautionary statement(s) Disposal

P501

Dispose of contents/container to authorised chemical landfill or if organic to high temperature incineration

# SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

# Substances

See section below for composition of Mixtures

# Mixtures

CAS No	%[weight]	Name
57-55-6	80-90	propylene glycol
64-17-5	10-20	ethanol
8008-57-9	1-5	orange oil
8028-48-6	1-5	Orange, sweet, Valencia extract

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

# **SECTION 4 FIRST AID MEASURES**

### Description of first aid measures

Eye Contact	<ul> <li>If this product comes in contact with the eyes:</li> <li>Wash out immediately with fresh running water.</li> <li>Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids.</li> <li>Seek medical attention without delay; if pain persists or recurs seek medical attention.</li> <li>Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.</li> </ul>		
Skin Contact	<ul> <li>If skin contact occurs:</li> <li>Immediately remove all contaminated clothing, including footwear.</li> <li>Flush skin and hair with running water (and soap if available).</li> <li>Seek medical attention in event of irritation.</li> </ul>		
Inhalation	<ul> <li>If fumes or combustion products are inhaled remove from contaminated area.</li> <li>Lay patient down. Keep warm and rested.</li> <li>Prostheses such as false teeth, which may block airway, should be removed, where possible, prior to initiating first aid procedures.</li> <li>Apply artificial respiration if not breathing, preferably with a demand valve resuscitator, bag-valve mask device, or pocket mask as trained. Perform CPR if necessary.</li> <li>Transport to hospital, or doctor.</li> </ul>		
Ingestion	<ul> <li>If swallowed do NOT induce vomiting.</li> <li>If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration.</li> <li>Observe the patient carefully.</li> <li>Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconscious.</li> <li>Give water to rinse out mouth, then provide liquid slowly and as much as casualty can comfortably drink.</li> <li>Seek medical advice.</li> </ul>		

### Indication of any immediate medical attention and special treatment needed

- Polyethylene glycols are generally poorly absorbed orally and are mostly unchanged by the kidney.
- Dermal absorption can occur across damaged skin (e.g. through burns) leading to increased osmolality, anion gap metabolic acidosis, elevated calcium, low ionised calcium, CNS depression and renal failure.
- Treatment consists of supportive care.

[Ellenhorn and Barceloux: Medical Toxicology]

Propylene glycol is primarily a CNS depressant in large doses and may cause hypoglycaemia, lactic acidosis and seizures.

- The usual measures are supportive care and decontamination (Ipecac/ lavage/ activated charcoal/ cathartics), within 2 hours of exposure should suffice.
- Check the anion gap, arterial pH, renal function and glucose levels.

Ellenhorn and Barceloux: Medical Toxicology

### SECTION 5 FIREFIGHTING MEASURES

# Extinguishing media

<ul> <li>Alcohol stable foam.</li> <li>Dry chemical powder.</li> <li>BCF (where regulations permit).</li> <li>Carbon dioxide.</li> </ul>	
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# Special hazards arising from the substrate or mixture

Fire	• Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc.
Incompatibility	as ignition may result

# Advice for firefighters

Fire Fighting	<ul> <li>Alert Fire Brigade and tell them location and nature of hazard.</li> <li>May be violently or explosively reactive.</li> <li>Wear breathing apparatus plus protective gloves.</li> <li>Prevent, by any means available, spillage from entering drains or water course.</li> </ul>
Fire/Explosion Hazard	<ul> <li>Liquid and vapour are flammable.</li> <li>Moderate fire hazard when exposed to heat or flame.</li> <li>Vapour forms an explosive mixture with air.</li> <li>Moderate explosion hazard when exposed to heat or flame.</li> </ul>

# SECTION 6 ACCIDENTAL RELEASE MEASURES

# Personal precautions, protective equipment and emergency procedures

	Chemical Class: ald		glycols nended sorbents lis	tod in (	order of pri	ority		
	SORBENT	RANK	APPLICATION		COLLE		LIMITATIONS	
	LAND SPILL - SMA	ALL.						
	cross-linked polyn	ner - particu	ılate	1	shovel	shovel	R, W, SS	
	cross-linked polyn	ner - pillow		1	throw	pitchfork	R, DGC, RT	
	sorbent clay - particulate			2	shovel	shovel	R,I, P	
	wood fiber - pillow			3	throw	pitchfork	R, P, DGC, R	
	treated wood fiber	treated wood fiber - pillow			throw	pitchfork	DGC, RT	
	foamed glass - pillow			4	throw	pichfork	R, P, DGC, R	
Major Spills	LAND SPILL - MEDIUM							
	cross-linked polymer - particulate 1			1	blower	skiploader	R,W, SS	
	polypropylene - p	polypropylene - particulate 2		2	blower	skiploader	W, SS, DGC	
	sorbent clay - part	sorbent clay - particulate 2			blower	skiploader	R, I, W, P, DG0	
	polypropylene - ma	at		3	throw	skiploader	DGC, RT	
	expanded mineral	- particulate	)	3	blower	skiploader	R, I, W, P, DG0	
	polyurethane - ma	polyurethane - mat		4	throw	skiploader	DGC, RT	

P: Effectiveness reduced when rainy

RT:Not effective where terrain is rugged
SS: Not for use within environmentally sensitive sites
W: Effectiveness reduced when windy
Reference: Sorbents for Liquid Hazardous Substance Cleanup and Control;
R.W Melvold et al: Pollution Technology Review No. 150: Noyes Data Corporation 1988
<ul> <li>Clear area of personnel and move upwind.</li> </ul>
<ul> <li>Alert Fire Brigade and tell them location and nature of hazard.</li> </ul>
May be violently or explosively reactive.
Personal Protective Equipment advice is contained in Section 8 of the MSDS.

### SECTION 7 HANDLING AND STORAGE

# Precautions for safe handling

Safe handling	<ul> <li>Containers, even those that have been emptied, may contain explosive vapours.</li> <li>Do NOT cut, drill, grind, weld or perform similar operations on or near containers.</li> <li>DO NOT allow clothing wet with material to stay in contact with skin</li> <li>Avoid all personal contact, including inhalation.</li> <li>Wear protective clothing when risk of overexposure occurs.</li> </ul>
Other information	<ul> <li>Store in original containers in approved flammable liquid storage area.</li> <li>Store away from incompatible materials in a cool, dry, well-ventilated area.</li> <li>DO NOT store in pits, depressions, basements or areas where vapours may be trapped.</li> <li>No smoking, naked lights, heat or ignition sources.</li> </ul>

# Conditions for safe storage, including any incompatibilities

Suitable container	<ul> <li>Packing as supplied by manufacturer.</li> <li>Plastic containers may only be used if approved for flammable liquid.</li> <li>Check that containers are clearly labelled and free from leaks.</li> </ul>
Storage	<ul> <li>Check that containers are clearly labelled and free from leaks.</li> <li>For low viscosity materials (i) : Drums and jerry cans must be of the non-removable head type.</li> <li>Glycols and their ethers undergo violent decomposition in contact with 70% perchloric acid. This seems likely to involve formation of the glycol perchlorate esters (after scission of ethers) which are explosive, those of ethylene glycol and 3-chloro-1,2-propanediol being more powerful than glyceryl nitrate, and the former so sensitive that it explodes on addition of water.</li> <li>Avoid oxidising agents, acids, acid chlorides, acid anhydrides, chloroformates.</li> <li>d-Limonene: <ul> <li>forms unstable peroxides in storage, unless uninhibited; may polymerise</li> <li>reacts with strong oxidisers and may explode or combust</li> <li>is incompatible with strong acids, including acidic clays, peroxides, halogens, vinyl chloride and iodine pentafluoride</li> <li>flow or agitation may generate electrostatic charges due to low conductivity</li> </ul> </li> <li>Alcohols <ul> <li>are incompatible with strong acids, acid chlorides, acid anhydrides, oxidising and reducing agents.</li> </ul> </li> </ul>

### PACKAGE MATERIAL INCOMPATIBILITIES

Not Available

# SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

# **Control parameters**

### OCCUPATIONAL EXPOSURE LIMITS (OEL)

### **INGREDIENT DATA**

Source	Ingredient	Material name	TWA	STEL	Peak	Notes
US OSHA Permissible Exposure Levels (PELs) - Table Z1	ethanol	Ethyl alcohol (Ethanol)	1900 mg/m3 / 1000 ppm	Not Available	Not Available	Not Available
US ACGIH Threshold Limit Values (TLV)	ethanol	Ethanol	Not Available	1000 ppm	Not Available	TLV® Basis: URT irr

Recommended Exposure Limits (RELs)ethanolAlcohol, Cologne spirit, Ethanol, EtOH, Grain alcohol1900 mg/m3 / 1000 ppmNotNot AvailableNot Available
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### EMERGENCY LIMITS

Ingredient	Material name	TEEL-1	TEEL-2	TEEL-3	
propylene glycol	Propylene glycol; (1,2-Propanediol)	30 mg/m3	1300 mg/m3	7900 mg/m3	
ethanol	Ethyl alcohol; (Ethanol)	Not Available	Not Available	Not Available	
Ingredient	Original IDLH	Revised ID	Revised IDLH		
propylene glycol	Not Available	Not Availab	Not Available		
ethanol	15,000 ppm 3,300 [LEL] ppm				
orange oil	Not Available	Not Availab	Not Available		
Orange, sweet, Valencia extract	Not Available	Not Availab	Not Available		

# MATERIAL DATA

For ethanol:

Odour Threshold Value: 49-716 ppm (detection), 101 ppm (recognition)

Eye and respiratory tract irritation do not appear to occur at exposure levels of less than 5000 ppm and the TLV-TWA is thought to provide an adequate margin of safety against such effects. Experiments in man show that inhalation of 1000 ppm caused slight symptoms of poisoning and 5000 ppm caused strong stupor and morbid sleepiness. Subjects exposed to 5000 ppm to 10000 ppm experienced smarting of the eyes and nose and coughing. Symptoms disappeared within minutes.

### **Exposure controls**

Appropriate engineering controls	Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. Well-designed engineering controls can be highly effective in protecting workers and will typically be independent of worker interactions to provide this high level of protection. The basic types of engineering controls are: Process controls which involve changing the way a job activity or process is done to reduce the risk. Enclosure and/or isolation of emission source which keeps a selected hazard "physically" away from the worker and ventilation that strategically "adds" and "removes" air in the work environment.
Personal protection	
Eye and face protection	<ul> <li>Safety glasses with side shields.</li> <li>Chemical goggles.</li> <li>Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants. A written policy document, describing the wearing of lenses or restrictions on use, should be created for each workplace or task.</li> </ul>
Skin protection	See Hand protection below
Hands/feet protection	<ul> <li>Wear chemical protective gloves, e.g. PVC.</li> <li>Wear safety footwear or safety gumboots, e.g. Rubber</li> <li>NOTE:</li> <li>The material may produce skin sensitisation in predisposed individuals. Care must be taken, when removing gloves and other protective equipment, to avoid all possible skin contact.</li> <li>Contaminated leather items, such as shoes, belts and watch-bands should be removed and destroyed.</li> </ul>
Body protection	See Other protection below
Other protection	<ul> <li>Overalls.</li> <li>PVC Apron.</li> <li>PVC protective suit may be required if exposure severe.</li> <li>Eyewash unit.</li> </ul>
Thermal hazards	Not Available

# Recommended material(s)

### **GLOVE SELECTION INDEX**

Glove selection is based on a modified presentation of the: **'Forsberg Clothing Performance Index''.** 

### **Respiratory protection**

Type A-P Filter of sufficient capacity. (AS/NZS 1716 & 1715, EN 143:2000 & 149:2001, ANSI Z88 or national equivalent)

The effect(s) of the following substance(s) are taken into account in the *computer-generated* selection: FW-ODB N&A Orange Dream Bar Flavor

Material	CPI
PE/EVAL/PE	A
BUTYL	С
NATURAL RUBBER	С
NATURAL+NEOPRENE	С
NEOPRENE	С
NITRILE	С
NITRILE+PVC	С
PVC	С

\* CPI - Chemwatch Performance Index

A: Best Selection

B: Satisfactory; may degrade after 4 hours continuous immersion C: Poor to Dangerous Choice for other than short term immersion **NOTE**: As a series of factors will influence the actual performance of the glove, a final selection must be based on

performance of the glove, a final selection must be based on detailed observation. -

\* Where the glove is to be used on a short term, casual or infrequent basis, factors such as "feel" or convenience (e.g. disposability), may dictate a choice of gloves which might otherwise be unsuitable following long-term or frequent use. A qualified practitioner should be consulted.

# SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

# Information on basic physical and chemical properties

Selection of the Class and Type of respirator will depend upon
the level of breathing zone contaminant and the chemical nature
of the contaminant. Protection Factors (defined as the ratio of
contaminant outside and inside the mask) may also be important.

Required minimum protection factor	Maximum gas/vapour concentration present in air p.p.m. (by volume)	Half-face Respirator	Full-Face Respirator
up to 10	1000	A-AUS / Class1 P2	-
up to 50	1000	-	A-AUS / Class 1 P2
up to 50	5000	Airline *	-
up to 100	5000	-	A-2 P2
up to 100	10000	-	A-3 P2
100+			Airline**

\* - Continuous Flow \*\* - Continuous-flow or positive pressure demand

 $\begin{array}{l} A(All \ classes) = Organic \ vapours, B \ AUS \ or \ B1 = Acid \ gasses, \\ B2 = Acid \ gas \ or \ hydrogen \ cyanide(HCN), B3 = Acid \ gas \ or \\ hydrogen \ cyanide(HCN), E = Sulfur \ dioxide(SO2), G = \\ Agricultural \ chemicals, K = Ammonia(NH3), Hg = Mercury, NO = \\ Oxides \ of \ nitrogen, MB = Methyl \ bromide, AX = Low \ boiling \ point \\ organic \ compounds(below \ 65 \ degC) \end{array}$ 

Appearance	Cloudy yellow		
Physical state	Liquid	Relative density (Water = 1)	1.01
Odour	Characteristic	Partition coefficient n-octanol / water	Not Available
Odour threshold	Not Available	Auto-ignition temperature (°C)	Not Available
pH (as supplied)	Not Available	Decomposition temperature	Not Available
Melting point / freezing point (°C)	Not Available	Viscosity (cSt)	Not Available
Initial boiling point and boiling range (°C)	Not Available	Molecular weight (g/mol)	Not Available
Flash point (°C)	34.33	Taste	Orange & cream
Evaporation rate	Not Available	Explosive properties	Not Available
Flammability	Flammable.	Oxidising properties	Not Available
Upper Explosive Limit (%)	Not Available	Surface Tension (dyn/cm or mN/m)	Not Available
Lower Explosive Limit (%)	Not Available	Volatile Component (%vol)	Not Available
Vapour pressure (kPa)	Not Available	Gas group	Not Available

Solubility in water (g/L)	Miscible	pH as a solution (1%)	Not Available
Vapour density (Air = 1)	Not Available	VOC g/L	Not Available

# SECTION 10 STABILITY AND REACTIVITY

Reactivity	See section 7
Chemical stability	<ul> <li>Unstable in the presence of incompatible materials.</li> <li>Product is considered stable.</li> <li>Hazardous polymerisation will not occur.</li> </ul>
Possibility of hazardous reactions	See section 7
Conditions to avoid	See section 7
Incompatible materials	See section 7
Hazardous decomposition products	See section 5

# SECTION 11 TOXICOLOGICAL INFORMATION

# Information on toxicological effects

Inhaled	The material is not thought to produce respiratory irritation (as classified by EC Directives using animal models). Nevertheless inhalation of vapours, fumes or aerosols, especially for prolonged periods, may produce respiratory discomfort and occasionally, distress. Inhalation of vapours may cause drowsiness and dizziness. This may be accompanied by narcosis, reduced alertness, loss of reflexes, lack of coordination and vertigo.		
	-	on of the material may be damaging to the health of the individual. ol may produce nausea, vomiting, gastrointestinal bleeding, abdominal pain and diarrhoea.	
Ingestion	Blood concentration:	Effects:	
	<1.5 g/l	Mild: Impaired visual acuity, coordination and reaction time, emotional lability	
	1.5-3.0 g/l	Moderate: Slurred speech, confusion, ataxia, emotional lability, perceptual and sensation disturbances possible blackout spells, and incoordination with impaired objective performance in standardised tests.	
		Possible diplopia, flushing, tachycardia, sweating and incontinence.	
Skin Contact	<ul> <li>may still produce</li> <li>The material may</li> <li>material either:</li> <li>produces mod and/or</li> <li>produces signi four hours), su period.</li> <li>Skin irritation ma dermatitis (nonali-</li> </ul>	t thought to have harmful health effects (as classified under EC Directives); the material health damage following entry through wounds, lesions or abrasions. produce moderate skin irritation; limited evidence or practical experience suggests, that the derate inflammation of the skin in a substantial number of individuals following direct contact ficant, but moderate, inflammation when applied to the healthy intact skin of animals (for up to uch inflammation being present twenty-four hours or more after the end of the exposure y also be present after prolonged or repeated exposure; this may result in a form of contact ergic). The dermatitis is often characterised by skin redness (erythema) and swelling nay progress to blistering (vesiculation), scaling and thickening of the epidermis.	
Eye	Limited evidence exists, or practical experience suggests, that the material may cause eye irritation in a substantial number of individuals and/or is expected to produce significant ocular lesions which are present twenty-four hours or more after instillation into the eye(s) of experimental animals. Repeated or prolonged eye contact may cause inflammation characterised by temporary redness (similar to windburn) of the conjunctiva (conjunctivitis); temporary impairment of vision and/or other transient eye damage/ulceration may occur. Direct contact of the eye with ethanol may cause immediate stinging and burning with reflex closure of the lid		

	and tearing, transient injury of the corneal epithelium and hyperaemia of the conjunctiva. Foreign-body type discomfort may persist for up to 2 days but healing is usually spontaneous and complete.
Chronic	Practical experience shows that skin contact with the material is capable either of inducing a sensitisation reaction in a substantial number of individuals, and/or of producing a positive response in experimental animals. On the basis, primarily, of animal experiments, concern has been expressed by at least one classification body that the material may produce carcinogenic or mutagenic effects; in respect of the available information, however, there presently exists inadequate data for making a satisfactory assessment. Limited evidence suggests that repeated or long-term occupational exposure may produce cumulative health effects involving organs or biochemical systems. Long-term exposure to ethanol may result in progressive liver damage with fibrosis or may exacerbate liver injury caused by other agents.

FW-ODB N&A	ΤΟΧΙΟΙΤΥ	IRRITATION	
Orange Dream	Not Available	Not Available	
Bar Flavor	Not Available	Not Available	
	TOXICITY	IRRITATION	
	Dermal (rabbit) LD50: >2000 mg/kg <sup>[1]</sup>	Eye (rabbit): 100 mg - i	mild
propylene glycol	Oral (rat) LD50: 20000 mg/kgd <sup>[2]</sup>	Eye (rabbit): 500 mg/24	4h - mild
		Skin(human):104 mg/3	d Intermit Mod
		Skin(human):500 mg/7	days mild
	TOXICITY		
	Dermal (rabbit) LD50: 17100 mg/kg <sup>[1]</sup>	Eye (rabbit): 500 mg	
ethanol	Inhalation (rat) LC50: 64000 ppm/4h <sup>[2]</sup>	Eye (rabbit):100mg/2	
	Oral (rat) LD50: >11872769 mg/kg <sup>[1]</sup>	Skin (rabbit):20 mg/2	
		Skin (rabbit):400 mg	(open)-mild
	ΤΟΧΙΟΙΤΥ	IRRITATION	
orange oil	Dermal (rabbit) LD50: >5000 mg/kg <sup>[2]</sup>	Skin (rabbit): 500mg/24h moderate	
orange on	Oral (rat) LD50: >5000 mg/kg <sup>[2]</sup>		
	TOXICITY		IRRITATION
Orange, sweet, Valencia extract	Dermal (rabbit) LD50: >5000 mg/kg* <sup>[2]</sup> Not Available		Not Available
Valencia extract	Oral (rat) LD50: >5000 mg/kg <sup>[1]</sup>		
Lananda	4 Value obtained from Europe FOLIA Deviatored Sub	Acuto tovicit	2 * Value abtained from
Legend:	<ol> <li>Value obtained from Europe ECHA Registered Sub manufacturer's msds. Unless otherwise specified data</li> </ol>		
	chemical Substances		
PROPYLENE GLYCOL	The material may cause skin irritation after prolonged dermatitis (nonallergic). This form of dermatitis is ofter swelling the epidermis. Histologically there may be in and intracellular oedema of the epidermis. The acute oral toxicity of propylene glycol is very low perceptible health damage in humans.	en characterised by skin tercellular oedema of th	redness (erythema) and e spongy layer (spongiosis)
ETHANOL	The material may cause skin irritation after prolonged dermatitis (nonallergic). This form of dermatitis is ofter swelling the epidermis. Histologically there may be in and intracellular oedema of the epidermis.	en characterised by skin	redness (erythema) and
FW-ODB N&A Orange Dream Bar Flavor & ORANGE	The following information refers to contact allergens Contact allergies quickly manifest themselves as con oedema. The pathogenesis of contact eczema involv	tact eczema, more rare	ly as urticaria or Quincke's

Continued...

OIL & ORANGE, SWEET, VALENCIA EXTRACT	of the delayed type. Other allergic skin re- reactions.	actions, e.g. contact urtic	aria, involve antibody-mediated immune
Acute Toxicity	0	Carcinogenicity	0
Skin Irritation/Corrosion	0	Reproductivity	0
Serious Eye Damage/Irritation	*	STOT - Single Exposure	0
Respiratory or Skin sensitisation	*	STOT - Repeated Exposure	0
Mutagenicity	0	Aspiration Hazard	0
	Legend:	• /	nake classification available t does not fill the criteria for classification

O – Data Not Available to make classification

### **CMR STATUS**

CARCINOGEN US Environmental Defense Scorecard Suspected Carcinogens IARC|HAZMAP, NTP-C ethanol

### **SECTION 12 ECOLOGICAL INFORMATION**

### Toxicity

# **NOT AVAILABLE**

Ingredient	Endpoint	Test Duration	Effect	Value	Species	BCF
propylene glycol	Not Available					
ethanol	Not Available					
orange oil	Not Available					
Orange, sweet, Valencia extract	Not Available					

Harmful to aquatic organisms.

When ethanol is released into the soil it readily and quickly biodegrades but may leach into ground water; most is lost by evaporation. When released into water the material readily evaporates and is biodegradable. Ethanol does not bioaccumulate to an appreciable extent.

### Persistence and degradability

Ingredient	Persistence: Water/Soil	Persistence: Air
propylene glycol	LOW	LOW
ethanol	LOW (Half-life = 2.17 days)	LOW (Half-life = 5.08 days)
Orange, sweet, Valencia extract	HIGH	HIGH

### **Bioaccumulative potential**

Ingredient	Bioaccumulation
propylene glycol	LOW (BCF = 1)
ethanol	LOW (LogKOW = -0.31)
Orange, sweet, Valencia extract	HIGH (LogKOW = 5.6842)

### Mobility in soil

Ingredient	Mobility
propylene glycol	HIGH (KOC = 1)
ethanol	HIGH (KOC = 1)

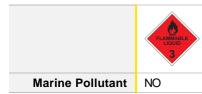
Orange, sweet, Valencia extract LOW (KOC = 2899)

# SECTION 13 DISPOSAL CONSIDERATIONS

# Waste treatment methods Product / Product / Packaging disposal • Containers may still present a chemical hazard/ danger when empty. • Return to supplier for reuse/ recycling if possible. Otherwise: • If container can not be cleaned sufficiently well to ensure that residuals do not remain or if the container cannot be used to store the same product, then puncture containers, to prevent re-use, and bury at an authorised landfill. • Where possible retain label warnings and MSDS and observe all notices pertaining to the product.

# **SECTION 14 TRANSPORT INFORMATION**

# Labels Required



# Land transport (DOT)

UN number	1197
Packing group	III.
UN proper shipping name	Extracts, flavoring, liquid
Environmental hazard	No relevant data
Transport hazard class(es)	Class 3
Special precautions for user	Special provisions 149, IB2, T4, TP1, TP8

# Air transport (ICAO-IATA / DGR)

UN number	1197
Packing group	II
UN proper shipping name	Extracts, flavouring, liquid
Environmental hazard	No relevant data
Transport hazard class(es)	ICAO/IATA Class3ICAO / IATA SubriskNot ApplicableERG Code3L
Special precautions for user	Special provisionsA3Cargo Only Packing Instructions366Cargo Only Maximum Qty / Pack220 LPassenger and Cargo Packing Instructions355Passenger and Cargo Maximum Qty / Pack60 L

Passenger and Cargo Limited Quantity Packing Instructions	Y344
Passenger and Cargo Limited Maximum Qty / Pack	10 L

# Sea transport (IMDG-Code / GGVSee)

UN number	1197
Packing group	Ш
UN proper shipping name	EXTRACTS, FLAVOURING, LIQUID
Environmental hazard	Not Applicable
Transport hazard class(es)	IMDG Class3IMDG SubriskNot Applicable
Special precautions for user	EMS NumberF-E , S-DSpecial provisions223 955Limited Quantities5 L

# **SECTION 15 REGULATORY INFORMATION**

# Safety, health and environmental regulations / legislation specific for the substance or mixture

propylene glycol(57-55-6) is found on the following regulatory lists	"US ATSDR Minimal Risk Levels for Hazardous Substances (MRLs)","US - Washington Toxic air pollutants and their ASIL, SQER and de minimis emission values","US AIHA Workplace Environmental Exposure Levels (WEELs)","US Spacecraft Maximum Allowable Concentrations (SMACs) for Airborne Contaminants","US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory"
ethanol(64-17-5) is found on the following regulatory lists	"US - Tennessee Occupational Exposure Limits - Limits For Air Contaminants", "US - Hawaii Air Contaminant Limits", "US - California Permissible Exposure Limits for Chemical Contaminants", "US - Idaho - Limits for Air Contaminants", "US ACGIH Threshold Limit Values (TLV) - Carcinogens", "US - Vermont Permissible Exposure Limits Table Z-1-A Final Rule Limits for Air Contaminants", "US - Oregon Permissible Exposure Limits (Z-1)", "US - Michigan Exposure Limits for Air Contaminants", "US - New Jersey Right to Know - Special Health Hazard Substance List (SHHSL): Mutagens", "US - Alaska Limits for Air Contaminants", "US NIOSH Recommended Exposure Limits (RELs)", "US - Washington Permissible exposure limits of air contaminants", "US Spacecraft Maximum Allowable Concentrations (SMACs) for Airborne Contaminants", "US - Minnesota Permissible Exposure Limits (PELs)", "US - Vermont Permissible Exposure Limits Table Z-1-A Transitional Limits for Air Contaminants", "US ACGIH Threshold Limit Values (TLV)", "US - Wyoming Toxic and Hazardous Substances Table Z1 Limits for Air Contaminants", "US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory", "US OSHA Permissible Exposure Levels (PELs) - Table Z1", "US - New Jersey Right to Know - Special Health Hazard Substance List (SHHSL): Carcinogens"
orange oil(8008-57-9) is found on the following regulatory lists	"US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory"
Orange, sweet, Valencia extract(8028-48-6) is found on the following regulatory lists	"Not Applicable"
National Inventory	Status
Australia - AICS	Υ
Canada - DSL	Υ
China - IECSC	Υ

Europe - EINEC / ELINCS / NLP	N (orange oil)
Japan - ENCS	N (orange oil; Orange, sweet, Valencia extract)
Korea - KECI	Y
New Zealand - NZloC	Υ
Philippines - PICCS	Y
USA - TSCA	N (Orange, sweet, Valencia extract)
Legend:	Y = All ingredients are on the inventory $N = Not$ determined or one or more ingredients are not on the inventory and are not exempt from listing(see specific ingredients in brackets)

### **SECTION 16 OTHER INFORMATION**

### Other information

### Ingredients with multiple cas numbers

Name	CAS No
orange oil	68647-72-3, 8008-57-9
Orange, sweet, Valencia extract	8028-48-6, 97766-30-8

Classification of the preparation and its individual components has drawn on official and authoritative sources as well as independent review by the Chemwatch Classification committee using available literature references. A list of reference resources used to assist the committee may be found at: <u>www.chemwatch.net</u>

The (M)SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered.

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