



SAFETY DATA SHEET

Classified in accordance with 29 CFR 1910.1200

1. Identification

Product identifier: VAN EXT 1F FS 35U 45ALV 20JC 35A

Other means of identification

SDS number: 000000125444

Pack Codes 930603, 930604, 974400, 974401

Recommended use and restriction on use

Recommended use: Food Ingredient

Restrictions on use: For Manufacturing Use Only

Manufacturer/Importer/Distributor Information

Company Name: McCormick and Company, Inc
Address: 24 Schilling Road, Suite 1
Hunt Valley, Maryland 21031
USA

Telephone: (410) 771-7500

Fax: (410) 527-6442

Emergency telephone number: 1-800-424-9300 (Chemtrec - North America)
001-703-527-3887 (Chemtrec - International)

2. Hazard(s) identification

Hazard Classification

Physical Hazards

Flammable liquids Category 2

Health Hazards

Serious Eye Damage/Eye Irritation Category 2A

Unknown toxicity - Health

Acute toxicity, inhalation, dust or mist 26.4 %

Label Elements

Hazard Symbol:

Product identifier : VAN EXT 1F FS 35U 45ALV 20JC 35A



Signal Word: Danger

Hazard Statement: Highly flammable liquid and vapor.
Causes serious eye irritation.

Precautionary Statements

Prevention: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground and bond container and receiving equipment. Use explosion-proof electrical equipment. Use non-sparking tools. Take action to prevent static discharges. Wear protective gloves/protective clothing/eye protection/face protection. Wash thoroughly after handling.

Response: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. In case of fire: Use carbon dioxide to extinguish. Use dry chemical powder to extinguish. Use foam to extinguish.

Storage: Store in a well-ventilated place. Keep cool.

Disposal: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Hazard(s) not otherwise classified (HNOC): Static accumulating flammable liquid can become electrostatically charged even in bonded and grounded equipment.

3. Composition/information on ingredients
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Mixtures

Chemical Identity	Common name and synonyms	CAS number	Content in percent (%) [*]
Trade Secret	No data available.	Trade Secret	25 - <50%

^{*} All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

Trade secret information: A specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First-aid measures

Description of necessary first-aid measures

Inhalation: Move to fresh air.

Skin Contact: Get medical attention if symptoms occur. Take off immediately all contaminated clothing. Rinse skin with water [or shower].

Eye contact: Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention.

Ingestion: Rinse mouth thoroughly.

Personal Protection for First-aid Responders: Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

Most important symptoms and effects, both acute and delayed

Symptoms: No data available.

Hazards: No data available.

Indication of immediate medical attention and special treatment needed

Treatment: Get medical attention if symptoms occur.

5. Fire-fighting measures

General Fire Hazards: Use water spray to keep fire-exposed containers cool. Water may be ineffective in fighting the fire. Fight fire from a protected location. Move containers from fire area if you can do so without risk.



Suitable (and unsuitable) extinguishing media

Suitable extinguishing media:	Use dry chemical, carbon dioxide (CO ₂), or a dry, non-combustible material such as dry sand or earth to extinguish flames. Foam. Use fire-extinguishing media appropriate for surrounding materials.
Unsuitable extinguishing media:	Avoid water in straight hose stream; will scatter and spread fire.
Special hazards arising from the substance or mixture:	Vapors may travel considerable distance to a source of ignition and flash back. Vapors may cause a flash fire or ignite explosively. Prevent buildup of vapors or gases to explosive concentrations.

Special protective equipment and precautions for firefighters

Special fire fighting procedures:	No data available.
Special protective equipment for fire-fighters:	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:	Ventilate closed spaces before entering them. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep upwind.
Accidental release measures:	Dike for later disposal. Prevent entry into waterways, sewer, basements or confined areas. Stop the flow of material, if this is without risk.
Methods and material for containment and cleaning up:	Absorb spill with vermiculite or other inert material, then place in a container for chemical waste. Dike far ahead of larger spill for later recovery and disposal. In case of leakage, eliminate all ignition sources.
Environmental Precautions:	Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so.

7. Handling and storage

Handling

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Technical measures (e.g. Local and general ventilation): No data available.

Safe handling advice: Avoid contact with eyes. Wash hands thoroughly after handling. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground and bond container and receiving equipment. Take precautionary measures against static discharges. EMPTY CONTAINER WARNING: Empty containers may retain residue (including vapors) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Do not attempt to refill or clean container since residue is difficult to remove. Empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioner. All containers should be disposed of in an environmentally safe manner and in accordance with government regulations.

Contact avoidance measures: No data available.

Storage

Safe storage conditions: Store in a well-ventilated place. Store in a cool place.

Safe packaging materials: No data available.

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

Chemical Identity	Type	Exposure Limit Values	Source
Trade Secret	ST ESL	10,000 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended
	AN ESL	1,880 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended
	AN ESL	1,000 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended
	ST ESL	18,800 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended
	REL	1,000 ppm 1,900 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
	PEL	1,000 ppm 1,900 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended

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	TWA PEL	1,000 ppm	1,900 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants, as amended
	TWA	1,000 ppm	1,900 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
	TWA	1,000 ppm	1,900 mg/m3	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A, as amended
	STEL	1,000 ppm		US. ACGIH Threshold Limit Values, as amended

Please refer to the latest edition of the appropriate source text and consult an industrial hygienist or similar professional, or local agencies, for further information.

Biological Limit Values

No biological exposure limits noted for the ingredient(s).

Appropriate Engineering Controls No data available.

Individual protection measures, such as personal protective equipment

Eye/face protection: Wear safety glasses with side shields (or goggles).

Skin Protection

Hand Protection: No data available.

Skin and Body Protection: No data available.

Respiratory Protection: In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.

Hygiene measures: Avoid contact with eyes. Observe good industrial hygiene practices. When using do not smoke.

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance

Physical state: liquid
Form: liquid
Color: Dark amber
Odor: Characteristic aromatic odor
Odor Threshold: No data available.
Freezing point: No data available.

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Boiling Point:	178 °F/81 °C
Flammability:	No data available.
Upper/lower limit on flammability or explosive limits	
Explosive limit - upper:	No data available.
Explosive limit - lower:	No data available.
Flash Point:	68 °F/20 °C
Self Ignition Temperature:	No data available.
Decomposition Temperature:	No data available.
pH:	No data available.
Viscosity	
Dynamic viscosity:	No data available.
Kinematic viscosity:	No data available.
Flow Time:	No data available.
Solubility(ies)	
Solubility in Water:	The product is insoluble in water.
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Vapor pressure:	No data available.
Relative density:	0.96 (68 °F/20 °C)
Density:	No data available.
Bulk density:	No data available.
Relative vapor density:	No data available.
Particle characteristics	
Particle Size:	No data available.
Particle Size Distribution:	No data available.
Specific surface area:	No data available.
Surface charge/Zeta potential:	No data available.
Shape:	No data available.
Crystallinity:	No data available.
Surface treatment:	No data available.

Other information	
Refractive Index	1.3574 68 °F/20 °C

10. Stability and reactivity

Reactivity:	No data available.
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Chemical Stability:	Material is stable under normal conditions.
Possibility of hazardous reactions:	No data available.
Conditions to avoid:	Heat, sparks, flames.
Incompatible Materials:	No data available.
Hazardous Decomposition Products:	No data available.

11. Toxicological information

Information on toxicological effects

Information on likely routes of exposure

Inhalation:	No data available.
Skin Contact:	No data available.
Eye contact:	Causes serious eye irritation.
Ingestion:	No data available.

Acute toxicity (list all possible routes of exposure)

Oral	
Product:	ATEmix: 4,495.45 mg/kg
Components:	



Trade Secret

LD 50 (Dog): 5.5 g/kg
LD 50 (Rat): 9.9 g/kg
LD 50 (Guinea pig): 5.6 g/kg
LD 50 (Rat): 6.2 g/kg
LD 50 (Rat): 17.8 g/kg
LD 50 (Rat): 11.5 g/kg
LD 50 (Mouse): 3,450 mg/kg
LD 50 (Rat): 10.6 g/kg
LD 50 (Rat): 7,060 mg/kg
LD 50 (Monkey): 6,000 mg/kg
Read-across from supporting substance (structural analogue or surrogate),
Supporting study LD Lo (Cat): 6,000 mg/kg
Experimental result, Supporting study LD 50 (Rat): 10,600 mg/kg
Experimental result, Weight of Evidence study LD 50 (Rat): 7,060 mg/kg
Experimental result, Supporting study LD 50 (Rat): 15,010 mg/kg
Experimental result, Supporting study LD 50 (Rat): 7,060 mg/kg
Experimental result, Weight of Evidence study LD 50 (Rat): 11,850 mg/kg
Experimental result, Supporting study LD 50 (Rat): 12,640 mg/kg
Experimental result, Supporting study LD 50 (Rat): 15,010 mg/kg
Experimental result, Weight of Evidence study LD Lo (Rabbit): 7,000 mg/kg
Experimental result, Supporting study LD 50 (Rat): 10,470 mg/kg
Experimental result, Key study LD 50 (Mouse): 3,450 mg/kg
Experimental result, Supporting study LD 50 (Rat): 10,600 mg/kg
Experimental result, Supporting study LD 50 (Guinea pig): 5,560 mg/kg
Experimental result, Supporting study LD 50 (Mouse): 9,500 mg/kg
Experimental result, Supporting study LD 50 (Rat): 11,170 - 16,710 mg/kg
Experimental result, Supporting study LD 50 (Rat): > 1,187 - 2,769 mg/kg
Read-across from supporting substance (structural analogue or surrogate),
Weight of Evidence study LD 50 (Pig): > 5,000 mg/kg
Read-across from supporting substance (structural analogue or surrogate),
Supporting study LD 50 (Rat): 7,060 mg/kg
Experimental result, Supporting study LD 50 (Rat): 12,400 mg/kg
Experimental result, Supporting study LD 50 (Monkey): 7,000 - 9,000 mg/kg
Read-across from supporting substance (structural analogue or surrogate),
Supporting study LD 0 (Rat): >= 2,528 mg/kg
Read-across from supporting substance (structural analogue or surrogate),
Supporting study LD 50 (Rat): > 7,692 mg/kg
Experimental result, Supporting study

Dermal

Product:

Components:

Trade Secret

Not classified for acute toxicity based on available data.

LD 50 (Rabbit): 17,100 mg/kg
Read-across from supporting substance (structural analogue or surrogate),
Supporting study

Inhalation

Product:

Components:

Not classified for acute toxicity based on available data.

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Trade Secret

LC 50 (Rat, 10 h): 20000 ppm LC 50 (Mouse, 4 h): 0.039 mg/l LC 50 (Rat, 4 h): 133.8 mg/l 2 = reliable with restrictions; Vapor, Experimental result, Key study LC 50 (Mouse, 134 min): 79.43 mg/l 2 = reliable with restrictions; Inhalation, Read-across from supporting substance (structural analogue or surrogate), Supporting study LC 50 (Rat, 6 h): 51.3 mg/l 2 = reliable with restrictions; Vapor, Experimental result, Supporting study LC 0 (Mouse, 7 h): < 29300 ppm 4 = not assignable; Inhalation, Experimental result, Supporting study LC 50 (Rat, 6 h): 92.6 mg/l 2 = reliable with restrictions; Vapor, Read-across from supporting substance (structural analogue or surrogate), Weight of Evidence study LC 50 (Mouse, 4 h): 39 mg/l 4 = not assignable; Inhalation, Experimental result, Supporting study LOAEL (Rat, 6 h): 0.27 - 13.3 mg/l 2 = reliable with restrictions; Inhalation, Read-across from supporting substance (structural analogue or surrogate), Supporting study LC 50 (Cat, 4.5 h): 85.41 mg/l 2 = reliable with restrictions; Inhalation, Read-across from supporting substance (structural analogue or surrogate), Supporting study LC 50 (Mouse, 24 h): > 38 mg/l 4 = not assignable; Inhalation, Experimental result, Supporting study LC 50 (Rat, 4 h): 116.9 mg/l 2 = reliable with restrictions; Vapor, Experimental result, Key study LC 50 (Rat, 4 h): 128.2 mg/l 2 = reliable with restrictions; Vapor, Read-across from supporting substance (structural analogue or surrogate), Weight of Evidence study LC 0 (Rat, 8 h): < 16000 ppm 4 = not assignable; Inhalation, Experimental result, Supporting study LC 50 (Cat, 6 h): 43.68 mg/l 2 = reliable with restrictions; Inhalation, Read-across from supporting substance (structural analogue or surrogate), Supporting study LC 50 (Rat, 4 h): 130.7 mg/l 2 = reliable with restrictions; Vapor, Read-across from supporting substance (structural analogue or surrogate), Weight of Evidence study LC 50 (Rat, 6 h): 87.5 mg/l 2 = reliable with restrictions; Vapor, Read-across from supporting substance (structural analogue or surrogate), Weight of Evidence study LC 50 (Rat, 4 h): > 115.9 mg/l 2 = reliable with restrictions; Vapor, Read-across from supporting substance (structural analogue or surrogate), Weight of Evidence study LC 50 (Rat, 6 h): 54.8 mg/l 2 = reliable with restrictions; Vapor, Experimental result, Supporting study LC 50 (Rat, 6 h): 52.9 mg/l 2 = reliable with restrictions; Vapor, Experimental result, Supporting study LC 50 (Rat, 4 h): 124.7 mg/l 2 = reliable with restrictions; Vapor, Experimental result, Key study LC 50 (Rat, 6 h): 82.1 mg/l 2 = reliable with restrictions; Vapor, Read-across from supporting substance (structural analogue or surrogate), Weight of Evidence study EC 50 (Mouse, 60 min): 49570 ppm 2 = reliable with restrictions; Vapor, Experimental result, Supporting study LC 50 (Mouse, 60 min): > 60000 ppm 2 = reliable with restrictions; Vapor, Experimental result, Key study LC 50 (Mouse, 60 min): > 60000 ppm 2 = reliable with restrictions; Vapor, Experimental result, Supporting study LD (Monkey, 1 h): 1.3 mg/l 2 = reliable with restrictions; Inhalation, Read-across from supporting substance (structural analogue or surrogate), Supporting study EC 50 (Mouse, 60 min): 32500 ppm 2 = reliable with restrictions; Vapor, Experimental result, Supporting study EC 50 (Mouse, 60 min): 49570 ppm 2 = reliable with restrictions; Vapor, Experimental result, Key study EC 50 (Mouse, 60 min): 32500 ppm 2 = reliable with restrictions; Vapor, Experimental result, Key study LD (Monkey, 1 h): 13 mg/l 2 = reliable with restrictions; Inhalation, Read-across from supporting substance (structural analogue or surrogate), Supporting study

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LD (Monkey, 1 h): 52 mg/l 2 = reliable with restrictions; Inhalation, Read-across from supporting substance (structural analogue or surrogate), Supporting study

Repeated dose toxicity

Product:

No data available.

Components:

Trade Secret

NOAEL (Rat(Female, Male), Inhalation, 4 Weeks): $\geq 6,130$ ppm(m)
Inhalation Experimental result, Supporting study
NOAEL (Mouse(Female, Male), Inhalation, 7,202 - 7,373 h): 0.13 mg/l
Inhalation Read-across from supporting substance (structural analogue or surrogate), Weight of Evidence study
LOAEL (Monkey, Inhalation, 7 - 29 Months): 0.13 mg/l Inhalation Read-across from supporting substance (structural analogue or surrogate), Weight of Evidence study
LOAEL (Rat(Female, Male), Inhalation, 7,318 - 7,496 h): 1.3 mg/l Inhalation Read-across from supporting substance (structural analogue or surrogate), Weight of Evidence study
NOAEL (Rat(Female, Male), Oral, ≤ 90 d): 2 %(m) Oral Experimental result, Supporting study

Skin Corrosion/Irritation

Product:

No data available.

Components:

Trade Secret

in vivo (Human): Not irritant
in vivo (Rabbit): Not irritant
in vivo (Human): slightly irritating under extreme repeat dose situations
in vivo (Rabbit): Not irritant , 1 - 7 d
in vivo (Rabbit): not irritating (but reversibility not established due to short observation period) , 24 - 72 h
in vivo (Human): Not irritant , 4 h
in vivo (Rabbit): ambiguous , 24 - 72 h
in vivo (Rabbit): Not irritant , 1 h
in vivo (Rabbit): Not irritant , 24 h
in vivo (Rabbit): Slightly irritating , 2 - 4 d
in vivo (Rabbit): Moderately irritating , 24 - 72 h
in vivo (Rabbit): Not irritant , 2 - 4 d
in vivo (Rabbit): Not irritant , 48 - 72 h
in vivo (Rabbit): Not irritant , 24 - 72 h

Serious Eye Damage/Eye Irritation

Product:

No data available.

Components:

Trade Secret

Category 2A in vivo Rabbit, 24 - 72 hrs: EU

Respiratory or Skin Sensitization

Product:

No data available.

Components:

Trade Secret

Skin sensitization:, in vivo (Guinea pig): Non sensitising

Carcinogenicity

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Product: No data available.

Components:
Trade Secret No data available.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

No carcinogens present or none present in regulated quantities

ACGIH: US.ACGIH Threshold Limit Values:

No carcinogens present or none present in regulated quantities

US. National Toxicology Program (NTP) Report on Carcinogens:

No carcinogens present or none present in regulated quantities

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended:

No carcinogens present or none present in regulated quantities

Germ Cell Mutagenicity

In vitro

Product: No data available.

Components:
Trade Secret No data available.

In vivo

Product: No data available.

Components:
Trade Secret No data available.

Reproductive toxicity

Product: No data available.

Components:
Trade Secret No data available.

Specific Target Organ Toxicity - Single Exposure

Product: No data available.

Components:
Trade Secret No data available.

Specific Target Organ Toxicity - Repeated Exposure

Product: No data available.

Components:
Trade Secret No data available.

Aspiration Hazard

Product: No data available.

Components:
Trade Secret No data available.

Information on health hazards

Other hazards

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Product: No data available.

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish

Product: No data available.

Components:

Trade Secret

LC 50 (Zebra danio (Danio rerio), 2 h): > 100 mg/l Mortality
LC 50 (Rainbow trout, donaldson trout (Oncorhynchus mykiss), 24 h): 11,200 mg/l Mortality
LC 50 (Zebra danio (Danio rerio), 24 h): > 100 mg/l Mortality
LC 50 (Medaka, high-eyes (Oryzias latipes), 24 h): > 10,000 mg/l Mortality
LC 50 (Fathead minnow (Pimephales promelas), 24 h): > 18,000 mg/l Mortality

Aquatic Invertebrates

Product: No data available.

Components:

Trade Secret

EC 50 (Water flea (Daphnia obtusa), 48 h): 10,100 - 11,200 mg/l Intoxication
LC 50 (Daggerblade grass shrimp (Palaemonetes pugio), 4 d): 10,490 - 14,120 mg/l Mortality
LC 50 (Daggerblade grass shrimp (Palaemonetes pugio), 4 d): 11,050 - 13,970 mg/l Mortality
LC 50 (Daggerblade grass shrimp (Palaemonetes pugio), 12 d): 3,630 - 5,680 mg/l Mortality
LC 50 (Brine shrimp (Artemia salina), 24 h): 1,324.6 - 2,537.8 mg/l Mortality

Toxicity to Aquatic Plants

Product: No data available.

Components:

Trade Secret

No data available.

Toxicity to microorganisms

Product: No data available.

Components:

Trade Secret

LC 50 (Turbellarian, flatworm (Dugesia tigrina), 96 h): > 100 mg/l Mortality

Chronic hazards to the aquatic environment:

Fish

Product: No data available.

Components:

Trade Secret

LOAEL (Oryzias latipes): 39,505 mg/l (Static) Read-across from supporting substance (structural analogue or surrogate), Supporting study
NOAEL (Oryzias latipes): 7,900 mg/l (Static) Read-across from supporting

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substance (structural analogue or surrogate), Supporting study
NOAEL (Oryzias latipes): 15,800 mg/l (Static) Read-across from supporting
substance (structural analogue or surrogate), Supporting study
NOAEL (Oryzias latipes): 158,000 mg/l (Static) Read-across from supporting
substance (structural analogue or surrogate), Supporting study
LOAEL (Oryzias latipes): 11,850 mg/l (Static) Read-across from supporting
substance (structural analogue or surrogate), Supporting study

Aquatic Invertebrates

Product:

No data available.

Components:

Trade Secret

NOAEL (Daphnia magna): > 10 mg/l (semi-static) Experimental result,
Supporting study
LOAEL (Biomphalaria tenagophila): 19.8 mg/l (semi-static) Experimental
result, Supporting study
NOAEL (Ceriodaphnia dubia): 9.6 mg/l (semi-static) Experimental result,
Key study
NOAEL (Biomphalaria tenagophila): 19.8 mg/l (semi-static) Experimental
result, Supporting study
NOAEL (Ceriodaphnia dubia): 2 mg/l (semi-static) Experimental result, Key
study

Toxicity to Aquatic Plants

Product:

No data available.

Components:

Trade Secret

No data available.

Toxicity to microorganisms

Product:

No data available.

Components:

Trade Secret

LC 50 (Turbellarian, flatworm (Dugesia tigrina), 96 h): > 100 mg/l Mortality

Persistence and Degradability

Biodegradation

Product:

No data available.

Components:

Trade Secret

No data available.

BOD/COD Ratio

Product:

No data available.

Components:

Trade Secret

No data available.

Bioaccumulative potential

Bioconcentration Factor (BCF)

Product:

No data available.

Components:

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Leuciscus idus, Bioconcentration Factor (BCF): < 10 Aquatic sediment Read-across from supporting substance (structural analogue or surrogate), Supporting study
Cyprinus carpio, Bioconcentration Factor (BCF): 1 Aquatic sediment Read-across from supporting substance (structural analogue or surrogate), Supporting study
Cyprinus carpio, Bioconcentration Factor (BCF): 3 Aquatic sediment Read-across from supporting substance (structural analogue or surrogate), Supporting study
Leuciscus idus, Bioconcentration Factor (BCF): 0.2 Aquatic sediment Read-across from supporting substance (structural analogue or surrogate), Not specified
Cyprinus carpio, Bioconcentration Factor (BCF): 4.5 Aquatic sediment Read-across from supporting substance (structural analogue or surrogate), Supporting study

Partition Coefficient n-octanol / water (log Kow)

Product: No data available.

Components:

Trade Secret

Log Kow: -0.31

Mobility in soil:

Product

No data available.

Components:

Trade Secret

No data available.

Results of PBT and vPvB assessment:

Product

No data available.

Components:

Trade Secret

No data available.

Other adverse effects:

Other hazards

Product:

No data available.

13. Disposal considerations

Disposal methods:

Discharge, treatment, or disposal may be subject to national, state, or local laws.

Contaminated Packaging:

No data available.

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14. Transport information

DOT

UN number or ID number:	UN 1197
UN Proper Shipping Name:	EXTRACTS, FLAVOURING, LIQUID
Transport Hazard Class(es)	
Class:	3
Label(s):	LTQT
EmS No.:	
Packing Group:	II
Special precautions for user:	Not regulated.

IATA Cargo

UN number or ID number:	UN 1197
UN Proper Shipping Name:	EXTRACTS, FLAVOURING, LIQUID
Transport Hazard Class(es):	
Class:	3
Label(s):	LTQT, AELG, PKOR, PSN1, UN1
Packing Group:	II
Environmental Hazards:	No
Marine Pollutant	No
Special precautions for user:	Not regulated.
Cargo aircraft :	Allowed. Y341

IMDG

UN number or ID number:	UN 1197
UN Proper Shipping Name:	EXTRACTS, FLAVOURING, LIQUID
Transport Hazard Class(es)	
Class:	3
Label(s):	LTQT, PKOR, PSN1, UN1
EmS No.:	F-E, S-D
Packing Group	II
Special precautions for user:	Not regulated.

15. Regulatory information

US Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

None present or none present in regulated quantities.

US. Toxic Substances Control Act (TSCA) Section 5(a)(2) Final Significant New Use Rules (SNURs) (40 CFR 721, Subpt E)

None present or none present in regulated quantities.

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US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended

None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

Chemical Identity

Trade Secret

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Flammable (gases, aerosols, liquids, or solids), Serious eye damage or eye irritation, Hazards Not Otherwise Classified (HNOC)

US. EPCRA (SARA Title III) Section 304 Extremely Hazardous Substances Reporting Quantities and the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Hazardous Substances

Not regulated.

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required

None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):

None present or none present in regulated quantities.

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65



WARNING: This product can expose you to chemicals including, Trade Secret which is [are] known to the State of California to cause cancer and birth defects or other reproductive harm.

For more information go to www.P65Warnings.ca.gov.

US. New Jersey Worker and Community Right-to-Know Act

Chemical Identity

Trade Secret

Trade Secret

Trade Secret

US. Massachusetts RTK - Substance List

No ingredient regulated by MA Right-to-Know Law present.



US. Pennsylvania RTK - Hazardous Substances

Chemical Identity

Trade Secret

US. Rhode Island RTK

No ingredient regulated by RI Right-to-Know Law present.

16. Other information, including date of preparation or last revision
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Issue Date: 05/11/2022

Version #: 00001.0

Further Information: No data available.

Disclaimer: This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.