

SAFETY DATA SHEETS

This SDS packet was issued with item:

078850666

N/A

Material Safety Data Sheet

Vedco, Inc.

I. IDENTIFICATION

PRODUCT NAME: N & A SMOKED SALMON FLAVOR
 PRODUCT CODE: PK-19419

II. HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENTS	CAS NUMBER	VAPOR PRESSURE MM HG @ TEMP	WEIGHT PERCENT
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*** No toxic chemical(s) subject to the reporting requirements of Section 313 of Title III and of 40 CFR present. ***

III. PHYSICAL DATA

APPEARANCE: BROWN LIQUID
 ODOR: CONFORMS TO STANDARD
 SPECIFIC GRAVITY: 1.09
 BOILING RANGE: n/a
 SOLUBILITY IN WATER: Completely soluble

IV. FIRE, EXPLOSION, & REACTIVITY HAZARDS

FLASH POINT: 125°F Closed Cup
 EXTINGUISHING MEDIA: Water Fog Dry Chemical CO2 Foam
 SPECIAL FIREFIGHTING PROCEDURES: Use standard firefighting procedures
 UNUSUAL FIRE AND EXPLOSION HAZARDS: Closed containers may build up pressure at elevated temperatures. If possible, containers should be cooled with water spray.

HAZARDOUS COMBUSTION PRODUCTS: CO CO2 Smoke Unidentified organic compounds
 STABILITY: Stable
 CONDITIONS TO AVOID: Heat Sparks Open flame
 MATERIALS TO AVOID: Strong oxidants
 HAZARDOUS POLYMERIZATION PRODUCTS: Does not polymerize

Material Safety Data Sheet

V. PROTECTION INFORMATION

RESPIRATORY: An approved odor mask or organic vapor respirator should be used in the absence of good ventilation.

VENTILATION: Use in a well ventilated area.

SKIN: Chemical resistant gloves

EYE: Follow good industrial practices.

OTHER: Follow good industrial practices.

VI. EXPOSURE LIMITS

THRESHOLD LIMITS VALUE (TLV): Not available

OSHA PERMISSIBLE EXPOSURE LIMIT: Not available

NTP CARCINOGEN: No

IARC MONOGRAPH: No

OSHA REGULATED: No

HEALTH HAZARDS: May cause eye irritation. May cause skin irritation. Ingestion may cause nausea or vomiting.

ROUTES OF ENTRY: Inhalation Skin contact Ingestion

VII. EMERGENCY AND FIRST AID PROCEDURES

INHALATION EXPOSURE: Remove to a well-ventilated area immediately.

EYE CONTACT: Flush with water for 15 minutes

SKIN CONTACT: Wash affected area with soap and large amounts of water.

INGESTION: Administer water or milk. Contact a physician or poison control center immediately.

OTHER: Remove contaminated clothing and/or footwear.

VIII. SPILL AND DISPOSAL PROCEDURES

HANDLING & STORAGE

PRECAUTIONS: Store in closed containers away from heat and light. Storage of partially filled containers should be avoided.

PRECAUTIONS IF MATERIAL IS

SPILLED OR RELEASED: Contain spilled material. Use suitable absorbant and dispose in sealed containers. Ventilate area around spill. Remove possible sources of ignition from spill area.

WASTE DISPOSAL METHODS: Follow local, state, and federal regulations.

OTHER PRECAUTIONS:

IX. DISCLAIMER

SECTION 1: Identification

1.1. Identification

Product form : Mixture
 Product code : PK-19419

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Concentrated aromatic and flavor ingredient which may be used in flavor and fragrance compounds according to legal and IFRA or FEMA GRAS/FDA guidelines. Use Restrictions: For Industrial Manufacturing Use Only

1.3. Details of the supplier of the safety data sheet

Flavorx Inc.
 9475 Gerwig Lane Suite A
 Columbia, MD 21046
 1-800-884-5771
 www.flavorx.com

1.4. Emergency telephone number

Emergency number : 1-800-884-5771

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS-US classification

Flammable liquids H226
 Category 3
 Skin corrosion/irritation H315
 Category 2
 Serious eye damage/eye irritation H318
 Category 1

Full text of H statements : see section 16

2.2. Label elements

GHS-US labeling

Hazard pictograms (GHS-US) :



Signal word (GHS-US) :

Danger

Hazard statements (GHS-US) :

H226 - Flammable liquid and vapor
 H315 - Causes skin irritation
 H318 - Causes serious eye damage

Precautionary statements (GHS-US) :

P210 - Keep away from sparks and open flames. - No smoking
 P233 - Keep container tightly closed
 P240 - Ground/bond container and receiving equipment
 P241 - Use explosion-proof electrical, lighting, ventilating equipment
 P242 - Use only non-sparking tools
 P243 - Take precautionary measures against static discharge
 P264 - Wash hands, forearms and face, clothing thoroughly after handling
 P280 - Wear eye protection, face shield, protective clothing, protective gloves
 P302+P352 - If on skin: Wash with plenty of water
 P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
 P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 P310 - Immediately call a POISON CENTER, a doctor
 P321 - Specific treatment (a doctor, a POISON CENTER)
 P332+P313 - If skin irritation occurs: Get medical advice/attention
 P362+P364 - Take off contaminated clothing and wash it before reuse
 P370+P378 - In case of fire: Use ABC-powder, alcohol resistant foam, carbon dioxide (CO₂),

dry extinguishing powder to extinguish
 P403+P235 - Store in a well-ventilated place. Keep cool
 P501 - Dispose of contents/container to prevent hazards. Disposal of contents/container must meet all applicable local, regional and national regulations

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	GHS-US classification
Proprietary*	(CAS No) Trade Secret	3.015	Skin Corr. 1A, H314 STOT SE 3, H335

*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

Full text of H-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
- First-aid measures after skin contact : Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. If skin irritation occurs: Get medical advice/attention.
- First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
- First-aid measures after ingestion : Call a poison center/doctor/physician if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/injuries after skin contact : Irritation.
- Symptoms/injuries after eye contact : Serious damage to eyes.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Special hazards arising from the substance or mixture

- Fire hazard : Flammable liquid and vapor.
- Reactivity : Flammable liquid and vapor.

5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid contact with skin and eyes.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.
- Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapors may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Avoid contact with skin and eyes.
- Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Ground/bond container and receiving equipment.
- Storage conditions : Store in a well-ventilated place. Keep cool. Keep container tightly closed.
- Maximum storage period : 2 years

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Proprietary

Not applicable

8.2. Exposure controls

- Appropriate engineering controls : Ensure good ventilation of the work station.
- Hand protection : Protective gloves.
- Eye protection : Safety glasses.
- Skin and body protection : Wear suitable protective clothing.
- Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.
- Environmental exposure controls : Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- Physical state : Liquid
- Appearance : Brown liquid.
- Color : brown
- Odor : Smoked Salmon
- Odor threshold : No data available
- pH : No data available
- Melting point : Not applicable
- Freezing point : No data available
- Boiling point : No data available
- Flash point : 125 °F
- Relative evaporation rate (butyl acetate=1) : No data available
- Flammability (solid, gas) : No data available
- Explosion limits : No data available
- Explosive properties : No data available
- Oxidizing properties : No data available
- Vapor pressure : No data available
- Relative density : No data available

Relative vapor density at 20 °C	: No data available
Solubility	: Water: Solubility in water of component(s) of the mixture : •: 2 g/l (at 20 °C) •: Complete •: 750 - 850 g/l (at 20 °C) •: 91 g/100ml •: 125 g/100ml • : > 10 g/100ml •: 100 g/100ml •: soluble •: 250 g/l (at 25 °C) •: 17 g/100ml •: 5 g/100ml •: Complete •: 6 g/100ml •: 220 g/l (at 20 °C)
Log Pow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Flammable liquid and vapor.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	: Not classified
Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye damage.
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified
Symptoms/injuries after skin contact	: Irritation.
Symptoms/injuries after eye contact	: Serious damage to eyes.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

12.2. Persistence and degradability

Proprietary	
Persistence and degradability	Biodegradability in water: no data available.

12.3. Bioaccumulative potential

Proprietary	
Bioaccumulative potential	No bioaccumulation data available.

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Effect on the global warming : No known ecological damage caused by this product.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.
 Additional information : Flammable vapors may accumulate in the container.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Transport document description : UN1197 Extracts, flavoring, liquid, 3, III
 UN-No.(DOT) : UN1197
 Proper Shipping Name (DOT) : Extracts, flavoring, liquid
 Class (DOT) : 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120
 Hazard labels (DOT) : 3 - Flammable liquid



Packing group (DOT) : III - Minor Danger
 DOT Packaging Non Bulk (49 CFR 173.xxx) : 203
 DOT Packaging Bulk (49 CFR 173.xxx) : 242
 DOT Special Provisions (49 CFR 172.102) : B1 - If the material has a flash point at or above 38 C (100 F) and below 93 C (200 F), then the bulk packaging requirements of 173.241 of this subchapter are applicable. If the material has a flash point of less than 38 C (100 F), then the bulk packaging requirements of 173.242 of this subchapter are applicable
 IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672)
 T2 - 1.5 178.274(d)(2) Normal..... 178.275(d)(3)
 TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = $97 / 1 + a (tr - tf)$ Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling
 DOT Packaging Exceptions (49 CFR 173.xxx) : 150
 DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : 60 L
 DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) : 220 L
 DOT Vessel Stowage Location : A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel
 Emergency Response Guide (ERG) Number : 127
 Other information : No supplementary information available.

TDG

No additional information available

Transport by sea

UN-No. (IMDG) : 1197
 Proper Shipping Name (IMDG) : EXTRACTS, FLAVORING, LIQUID
 Class (IMDG) : 3 - Flammable liquids
 Packing group (IMDG) : III - substances presenting low danger

Air transport

UN-No. (IATA) : 1197
 Proper Shipping Name (IATA) : Extracts, flavouring, liquid
 Class (IATA) : 3 - Flammable Liquids
 Packing group (IATA) : III - Minor Danger

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory except for:

Proprietary	CAS No	3.015%

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

15.2. International regulations

CANADA

No additional information available

EU-Regulations

No additional information available

National regulations

Proprietary

Listed on the AICS (Australian Inventory of Chemical Substances)
 Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
 Listed on the Korean ECL (Existing Chemicals List)
 Listed on NZIoC (New Zealand Inventory of Chemicals)
 Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

SECTION 16: Other information

Revision date : 03/24/2016

Full text of H-phrases:

H226	Flammable liquid and vapor
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H318	Causes serious eye damage
H335	May cause respiratory irritation

SDS US (GHS HazCom 2012)

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