



Safety Data Sheet

Issuing Date 04-Mar-2015

Revision Date 04-Mar-2015

Revision Number 1

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier

Product Name VDISTILL™ DV63 Distilled Canola Fatty Acid

Other means of identification

Product Code DV-63

Recommended use of the chemical and restrictions on use

Recommended Use Commercial product.

Details of the supplier of the safety data sheet

Manufacturer Address

Vantage Oleochemicals, Inc.
4650 South Racine Avenue
Chicago, IL 60609 USA

Emergency Telephone Number

Company Phone Number +1-773-376-9000

Emergency Telephone Number CHEMTREC International +1-703-527-3887
CHEMTREC USA: 1-800-424-9300

2. HAZARDS IDENTIFICATION

Classification

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard.

This is not a dangerous substance or mixture according to the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS)

Label Elements

EMERGENCY OVERVIEW

Color Light yellow

Physical State Liquid

Odor Faint

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS-No. | Weight % |
|--|------------|----------|
| Fatty acids, C14-22 and C16-22-unsaturated | 68002-85-7 | 100 |

4. FIRST AID MEASURES

FIRST AID MEASURES

Eye contact Consult a physician. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

| | |
|---------------------|--|
| Skin contact | Wash exposed skin with soap and plenty of water. Consult a physician if irritation occurs. |
| Inhalation | Remove to fresh air and keep at rest in a position comfortable for breathing. Consult a physician if breathing is difficult or other respiratory symptoms develop. |
| Ingestion | DO NOT induce vomiting. Drink 1 or 2 glasses of water. Never give anything by mouth to an unconscious person. |

Most important symptoms and effects, both acute and delayed

Symptoms None identified.

Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

| | |
|---|--|
| <u>Suitable extinguishing media</u> | Dry powder, Foam, Carbon dioxide, Water fog. |
| Unsuitable extinguishing media | Do not use a solid water stream as it may scatter and spread fire. |
| <u>Explosion Data</u> | |
| Sensitivity to Mechanical Impact | None. |
| Sensitivity to Static Discharge | None. |
| <u>Protective equipment and precautions for firefighters</u> | As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. |

6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures**

Personal Precautions Use personal protective equipment.

Environmental precautions

Environmental precautions Prevent release to surface water.

Methods and material for containment and cleaning up

Methods for Containment Dike to collect large liquid spills.

Methods for Cleaning Up Absorb with an inert material.

7. HANDLING AND STORAGE**Precautions for safe handling**

Handling Handle in accordance with good industrial hygiene and safety practice. Avoid generation of mist/aerosol.

Conditions for safe storage, including any incompatibilities

Storage Keep containers tightly closed in a cool, well-ventilated place.

Packaging Material Store tightly closed in original container.

Incompatible materials Strong oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Appropriate engineering controls

Engineering Measures Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face Protection Safety glasses with side-shields.
Skin and Body Protection Impervious gloves.
Respiratory Protection Use NIOSH/MSHA approved respirator if ventilation is not sufficient to control mist/aerosol.

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES**Information on basic physical and chemical properties**

| | | | |
|-----------------------|--------------|-----------------------|----------------|
| Physical State | Liquid | Odor | Faint |
| Appearance | Clear | Odor threshold | Not determined |
| Color | Light yellow | | |

| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> |
|-------------------------------------|----------------------|------------------------------------|
| pH | | Not Applicable |
| Melting point/freezing point | | Not determined |
| Boiling point/boiling range | > 260 °C / 500 °F | @10 hPa |
| Flash Point | 209 °C / 408 °F | PMCC |
| Evaporation Rate | | Not determined |
| Flammability (solid, gas) | | May burn if exposed to open flame. |
| Flammability Limits in Air | | Not determined |
| Upper flammability limits | | |
| Lower Flammability Limit | | |
| Vapor pressure | < 1 | mm Hg |
| Vapor Density | | Not determined |
| Specific Gravity | 0.87 | |
| Water Solubility | Insoluble | |
| Solubility in other solvents | | |
| Partition coefficient | | |
| Autoignition Temperature | | Not determined |
| Decomposition temperature | | Not determined |
| Kinematic viscosity | | Not determined |
| Dynamic viscosity | | Not determined |
| Explosive Properties | None | |
| Oxidizing Properties | None | |

Other Information**10. STABILITY AND REACTIVITY**

Reactivity
Not reactive

Chemical stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous Polymerization Hazardous polymerization does not occur.

Conditions to Avoid

Extremes of temperature and direct sunlight.

Incompatible materials

Strong oxidizing agents.

Hazardous Decomposition Products

None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information Product does not present an acute toxicity hazard based on known or supplied information

Inhalation There is no data available for this product.

Eye contact Not irritating to eyes.

Skin contact Not irritating to skin.

Ingestion No known hazard by swallowing.

| Chemical Name | LD50 Oral | LD50 Dermal | LC50 Inhalation |
|---|-----------|-------------|-----------------|
| Fatty acids, C14-22 and C16-22-unsaturated 68002-85-7 | > 5g/kg | n/a | n/a |

Information on toxicological effects

Symptoms No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation Not irritating to skin.

Serious eye damage/eye irritation Not irritating to eyes.

Sensitization Not a skin sensitizer.

Mutagenic Effects Negative in the Ames test.

Carcinogenicity This substance is not classified as a carcinogen by IARC, OSHA, ACGIH, or NTP.

Reproductive Toxicity This product does not contain any known or suspected reproductive hazards.

Developmental Toxicity No known hazard.

Teratogenic No known hazard.

STOT - single exposure None under normal use conditions.

STOT - repeated exposure No known hazard.

Aspiration hazard No known hazard.

Numerical measures of toxicity-Product Information Not determined

12. ECOLOGICAL INFORMATION

Ecotoxicity

Persistence and degradability

Readily biodegradable.

Bioaccumulation/Accumulation

Not expected to be bioaccumulative.

Mobility

No data available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

| | |
|-------------------------------|---|
| Waste Disposal Method | Dispose of in accordance with applicable regulations. |
| Contaminated Packaging | Dispose of in accordance with applicable regulations. |

14. TRANSPORT INFORMATION

| | |
|--------------------------|---------------|
| <u>DOT</u> | Not regulated |
| <u>TDG</u> | Not regulated |
| <u>MEX</u> | Not regulated |
| <u>ICAO</u> | Not regulated |
| <u>IATA</u> | Not regulated |
| <u>IMDG / IMO</u> | Not regulated |
| <u>RID</u> | Not regulated |
| <u>ADR</u> | Not regulated |
| <u>ADN</u> | Not regulated |

15. REGULATORY INFORMATION

International Inventories

| | |
|---------------|----------|
| TSCA | Complies |
| NDSL | Complies |
| EINECS | Complies |
| ENCS | Complies |
| IECSC | Complies |
| KECL | Complies |
| PICCS | Complies |
| AICS | Complies |

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

U.S. Federal Regulations**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

| | |
|-----------------------------------|----|
| Acute health hazard | No |
| Chronic Health Hazard | No |
| Fire hazard | No |
| Sudden release of pressure hazard | No |
| Reactive Hazard | No |

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

U.S. State Regulations

U.S. State Right-to-Know Regulations

16. OTHER INFORMATION

| | | | | |
|-------------|-----------------|----------------|--------------------|-----------------------------------|
| NFPA | Health Hazard 0 | Flammability 1 | Instability 0 | Physical and Chemical Hazards n/a |
| HMIS | Health Hazard 0 | Flammability 1 | Physical hazards 0 | Personal Precautions B |

| | |
|---------------------|-----------------|
| Prepared by | Product Steward |
| Issuing Date | 04-Mar-2015 |
| Revision Date | 04-Mar-2015 |
| Revision Note | |
| Reason for Revision | Initial Issue |

Disclaimer

The information in this safety data sheet (SDS) is believed to be accurate and is given in good faith but no representation or warranty as to its completeness or accuracy is made. Suggestions for uses or applications are only opinions. Users are responsible for determining the suitability of these products for their own particular purpose. No representation or warranty, express or implied, is made with respect to information or products including without limitation warranties of merchantability or fitness for a particular purpose or non-infringement of any third party patent or other intellectual property rights including without limit copyright, trademark and designs. Any trademarks identified herein are trademarks of Vantage Oleochemicals, Inc.

End of MSDS