

Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifiers

Product name :

RBD Linoleic Sunflower Oil	RBD Oleic Sunflower Oil
RBD Expeller Linoleic Sunflower Oil	RBD Expeller Oleic Sunflower Oil
RBD Expeller Organic Linoleic Sunflower Oil	RBD Expeller Organic Oleic Sunflower Oil
RBW Linoleic Sunflower Oil	RBDW Expeller Organic Oleic Sunflower Oil
RBDW Linoleic Sunflower Oil	RBDW Oleic Sunflower Oil
RBDW Expeller Linoleic Sunflower Oil	RBDW Expeller Organic Oleic Sunflower Oil
RBDW Expeller Organic Linoleic Sunflower Oil	RBDW Expeller Oleic Sunflower Oil
RBD Mid Oleic Sunflower Oil	RBDM Expeller Organic Oleic Sunflower Oil
RBD Expeller Mid Oleic Sunflower Oil	RBDM Expeller Oleic Sunflower Oil
RBD Exp Organic Mid Oleic Sunflower Oil	RB Oleic Sunflower
RBDW Mid Oleic Sunflower	Crude Sunflower Oil
Crude Degummed Exp Organic Oleic Sunflower Oil	

Product Number : Various
 Brand : Adams Vegetable Oils
 CAS-No. : 8001-21-6

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

Identified uses: Fully refined vegetable oils may be used as a food ingredient.

1.3 Details of the supplier of the safety data sheet

Company : Adams Group
 P.O. Box 956
 Arbuckle, CA 95912
 USA
 Telephone : 530-668-2005
 Fax : 530-668-2006

1.4 Emergency telephone number

Emergency Phone # : 800-424-9300

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Not a hazardous substance or mixture.

2.2 GHS Label elements, including precautionary statements

Not a hazardous substance or mixture.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS – none

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Synonyms : Oil from *Helianthus annuus* seed
 INCI Name: Helianthus annuus (Sunflower) Seed Oil
 CAS-No. : 8001-21-6

EC-No. : Not Available

Non- Hazardous Components:

Component	Classification	Concentration
Sunflower Oil	8001-21-6	99.995 %
Citric Acid	77-92-9	0.005 %

4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice

Product does not pose a safety risk when handled properly.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact

Wipe off oil with paper towel.

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed

No data available

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Nature of decomposition products not known.

5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

5.4 Further information

No data available

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Use safety glasses as needed.

6.2 Environmental precautions

Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For disposal see section 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Handle to avoid product spillage.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place.

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Components with workplace control parameters

Component	CAS-No.	Value	Control parameters	Basis
Sunflower Oil	8001-21-6	TWA	10.000000 mg/m ³	USA. NIOSH Recommended Exposure Limits

8.2 Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection

Safety glasses may be worn.

Skin protection

May be handled with or without gloves.

Body Protection

Not required.

Respiratory protection

Not required.

Control of environmental exposure

Do not let product enter drains.

9. PHYSICAL AND CHEMICAL PROPERTIES**9.1 Information on basic physical and chemical properties**

a) Appearance Form:	liquid
b) Odor	No data available
c) Odor Threshold	No data available
d) pH	No data available
e) Melting point/freezing point	No data available
f) Initial boiling point and boiling range	No data available
g) Smoke Point	450 °F
h) Flash point	482 °F
i) Evaporation rate	No data available
j) Flammability (solid, gas)	No data available
k) Upper/lower flammability or explosive limits	No data available
l) Vapor pressure	No data available
m) Vapor density	No data available
n) Relative density	No data available
o) Water solubility	No data available
p) Partition coefficient: noctanol/water	No data available
q) Auto-ignition temperature	400- 435°C
r) Decomposition temperature	No data available
s) Viscosity	No data available
t) Explosive properties	No data available
u) Oxidizing properties	No data available

9.2 Other safety information

No data available

10. STABILITY AND REACTIVITY**10.1 Reactivity**

No data available

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

No data available

10.5 Incompatible materials

Strong oxidizing agents

10.6 Hazardous decomposition products

Other decomposition products - No data available

In the event of fire: see section 5

11. TOXICOLOGICAL INFORMATION**11.1 Information on toxicological effects****Acute toxicity**

No data available

Inhalation: No data available

Dermal: No data available

No data available

Skin corrosion/irritation

No effect

Serious eye damage/eye irritation

Mild eye irritation

Respiratory or skin sensitization

No data available

Germ cell mutagenicity**Carcinogenicity**

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity

No data available

No data available



Specific target organ toxicity - single exposure

Specific target organ toxicity - repeated exposure

Aspiration hazard

Additional Information

RTECS: VN2230000

12. ECOLOGICAL INFORMATION

12.1 Toxicity

No data available

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

12.4 Mobility in soil

12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

12.6 Other adverse effects

No data available

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product

Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging

Dispose of as unused product.

14. TRANSPORT INFORMATION

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

15. REGULATORY INFORMATION

SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components



This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

No SARA Hazards

Massachusetts Right To Know Components

No components are subject to the Massachusetts Right to Know Act.

California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

16. OTHER INFORMATION

HMIS Rating

Health hazard: 0

Chronic Health Hazard:

Flammability: 1

Physical Hazard 0

NFPA Rating

Health hazard: 0

Fire Hazard: 1

Reactivity Hazard: 0

Further information

Copyright 2015 Adams Group. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Adams Group and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product.

Preparation Information

Adams Group
530-668-2005

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