

Safety Data Sheet

According to Regulation (EC) No 1907/2006, Annex II,

Amended by COMMISSION REGULATION (EU) 2020/878,

Amended by COMMISSION DELEGATED REGULATION (EU) 2023/707,

According to REGULATION (EC) No 1272/2008

OD-100 Orange Degreaser

Version 1.0

Issue date: 07-27-2026

Revision date: 07-27-2026

Section 1 Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier:

Identification on the label/Trade name: OD-100 Orange Degreaser
Identification of the product: See section 3
Index Number: See section 3
REACH registration No.: See section 3

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

1.2.1 Identified uses:

Degreaser, Aqueous cleaner.

1.2.2 Uses advised against:

For Professional Use Only

1.3 Details of the supplier of the safety data sheet:

Supplier(Only representative): -
Supplier(Manufacturer): Engineered Fluids, Inc.
Address: 4917 Profit Drive, Tyler, TX 75707
Contact person(E-mail): support@engineeredfluids.com
Telephone: +1-903-231-3141
Fax: -

1.4 Emergency telephone Number:

1-903-231-3141 Only available during office hours (9:00a.m.-17:30p.m.)

Available outside office hours? YES ☐ NO ☒

Section 2 Hazards identification

2.1 Classification of the substance or mixture:

2.1.1 Classification of the mixture:

The mixture is classified as following according to REGULATION (EC) No 1272/2008:

REGULATION (EC) No 1272/2008	
Hazard classes/Hazard categories	Hazard statement
Acute Tox. 4	H302
Skin Sens. 1	H317
STOT SE 1	H370
Aquatic Chronic 3	H412

For full text of H- phrases: see section 2.2.

2.2 Label elements:

Hazard pictogram(s):



Signal word:

Danger

Hazard statement(s):

H302: Harmful if swallowed.
H317: May cause an allergic skin reaction.
H370: Causes damage to organs (Optic nerve (nervus opticus), central nervous system).
H412: Harmful to aquatic life with long lasting effects.
P260: Do not breathe dust/fume/gas/mist/vapours/spray.
P264: Wash hands thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P272: Contaminated work clothing should not be allowed out of the workplace.

Precautionary statement(s):

Product name: OD-100 Orange Degreaser

Version #: 1.0 Issue date: 07-27-2026.

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P273: Avoid release to the environment.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P301 + P312: IF SWALLOWED: Call a POISON CENTER/doctor. if you feel unwell.
P302 + P352: IF ON SKIN: Wash with plenty of water.
P308 + P311: IF exposed or concerned: Call a POISON CENTER/doctor.
P333 + P313: If skin irritation or rash occurs: Get medical advice/attention.
P362 + P364: Take off contaminated clothing and wash it before reuse.
P330: Rinse mouth.
P405: Store locked up.
P501: Dispose of contents/container in accordance with local regulations.
Not applicable.

Supplemental Hazard information (EU)

2.3 Other hazards:

The mixture does not contain PBT/vPvB substance.
The mixture does not contain endocrine disruptor.

Section 3 Composition/information on ingredients

Substance/Mixture:

Mixture

Ingredient(s):

Chemical Name	Registration No.	CAS No.	EC No.	Concentration	Classification	Specific Concentration limits, M-Factors, Acute Toxicity Estimates (ATE)
Water	N/A	7732-18-5	231-791-2	80.5%	Not Classified	N/A
1-methanol	N/A	67-56-1	200-659-6	12.5%	H225 H311 H370 H301 H331	STOT SE 1; H370: C $\geq$ 10 % STOT SE 2; H371: 3 % $\leq$ C < 10 %
Orange, sweet, ext.	N/A	8028-48-6	232-433-8	5%	H226 H317 H411 H315 H304	N/A
Ethoxylated fatty acid monoethanolamide	N/A	61791-08-0	N/A	2%	Not Classified	N/A

Section 4 First aid measures

4.1 Description of first aid measures:

In all cases of doubt, or when symptoms persist, seek medical attention.

4.1.1 In case of inhalation:

Avoid extended breathing of vapors. Use with adequate ventilation.

4.1.2 In case of skin contact:

Avoid extended contact with skin. Wash with soap and water.

4.1.3 In case of eyes contact:

Avoid contact with eyes. Wash eyes thoroughly with water. Seek medical attention if eyes are irritated.

4.1.4 In case of ingestion:

Seek Medical attention; do not force vomiting.

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

Harmful if swallowed. May cause an allergic skin reaction. Causes damage to organs.

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

If skin irritation or rash occurs, get medical advice/attention.

Section 5 Firefighting measures

5.1 Extinguishing media:

Suitable extinguishing media:

Unsuitable extinguishing media:

Dry chemical.

Water with full jet.

5.2 Special hazards arising from the substance or mixture

Hazardous decomposition products formed under fire conditions. - Carbon oxides and other toxic fumes.

5.3 Advice for firefighters:

In the event of fire, wear self-contained breathing apparatus. Use personal

protective equipment. Wear chemical resistant oversuit. Cool containers / tanks with water spray.

Section 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

6.1.1 For non-emergency personnel: Prevent further leakage or spillage if safe to do so. Keep away from Incompatible products.

6.1.2 For emergency responders: Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Ventilate the area. Wear suitable protective clothing.

6.2 Environmental precautions: Should not be released into the environment. Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities.

6.3 Methods and material for containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Keep in suitable, closed containers for disposal.

6.4 Reference to other sections: See Section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

Section 7 Handling and storage

7.1 Precautions for safe handling:

7.1.1 Protective measures: Ensure good ventilation/exhaustion at the workplace. Wash thoroughly after handling.

7.1.2 Advice on general occupational hygiene: Do not eat, drink and smoke in work areas. Wash hands after use. Remove contaminated clothing and protective equipment before entering eating areas.

7.2 Conditions for safe storage, including any incompatibilities: Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

7.3 Specific end use(s): Not applicable.

Section 8 Exposure controls/personal protection

8.1 Control parameters:

8.1.1 Occupational exposure limits:

Country	Substance	EC No.	CAS No.	Occupational Exposure Limit Value (8-hour reference period)		Occupational Exposure Limit Value (15-minute reference period)		
				ppm	mg/m ³	ppm	mg/m ³	Note
Ireland	Methanol	200-659-6	67-56-1	200	260	-	-	-

8.1.2 Additional exposure limits under the conditions of use: Not available.

8.1.3 DNEL/DMEL and PNEC-Values: Not available.

8.2 Exposure controls:

8.2.1 Appropriate engineering controls: Ensure adequate ventilation. Apply technical measures to comply with the occupational exposure limits.

8.2.2 Individual protection measures, such as personal protective equipment:

Eye/face protection: Safety glasses.

Skin protection

Hand protection: Wear appropriate protective gloves to prevent skin exposure.

Body protection: Wear suitable protective clothing to prevent skin exposure.

Respiratory protection: Suitable respiratory protective device recommended.

Thermal hazards: Wear suitable protective clothing to prevent heat.

8.2.3 Environmental exposure controls: Avoid discharge into the environment. According to local regulations, Federal and official regulations.

Section 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Physical state:	Liquid
Colour:	Orange-amber
Odour:	Citrus
Odour threshold:	Not available
pH:	6.9
Melting point/freezing point (°C):	-2°C
Boiling point or initial boiling point and boiling range (°C):	97°C

Flash point (°C):	Not available
Evaporation rate:	Not available
Flammability limit - lower (%):	Not available
Flammability (gas, liquid, solid):	Not flammable
Ignition temperature (°C):	Not available
Lower and upper explosion limit:	Not available
Vapour pressure (20°C):	Not available
Relative vapour density:	Not available
Relative Density (g/cm ³):	0.97
Bulk density (kg/m ³):	Not available
Solubility in water (g/l, 20°C):	Not available
Solubility in other polar and non-polar solvents (g/l, 20°C):	Soluble in water
Partition coefficient n-octanol/water (log Po/w, 20°C):	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Kinematic viscosity (mm ² /s):	Not available
viscosity:	0.65 mPa.s (40°C)
Particle characteristics:	Not applicable
Explosive properties:	Not available
Oxidising properties:	Not oxidizing
9.2. Other information:	
Fat solubility(solvent-oil to be specified) etc:	Not available
Surface tension:	Not available
Dissociation constant in water(pKa):	Not available
Oxidation-reduction Potential:	Not available

Section 10 Stability and Reactivity

10.1 Reactivity:	The substance is stable under normal storage and handling conditions.
10.2 Chemical stability:	Stable at room temperature in closed containers under normal storage and handling conditions.
10.3 Possibility of hazardous reactions:	No dangerous reactions known.
10.4 Conditions to avoid:	Incompatible materials. High temperatures. Proximity to sources of ignition.
10.5 Incompatible materials:	Strong oxidizing agents.
10.6 Hazardous decomposition products:	Carbon oxides.

Section 11 Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

Acute toxicity:	
ATE _{mix} (oral):	Not available
ATE _{mix} (inhalation):	Not available
ATE _{mix} (Dermal):	Not available
Orange, sweet, ext. (CAS: 8028-48-6)	
LD50(Oral, Rat):	> 5000 mg/kg bw male
LC50(Inhalation, Rat):	Not available
LD50(Dermal, Rabbit):	> 5000 mg/kg bw female
Skin corrosion/irritation:	Not classified
Serious eye damage/irritation:	Not classified
Respiratory or skin sensitization:	May cause an allergic skin reaction.
Germ cell mutagenicity:	Not classified
Carcinogenicity:	Not classified
Reproductive toxicity:	Not classified
STOT- single exposure:	Causes damage to organs (Optic nerve (nervus opticus), central nervous system).
STOT-repeated exposure:	Not classified
Aspiration hazard:	Not classified

11.2 Information on other hazards

Endocrine disrupting properties	The mixture does not contain endocrine disruptor.
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Section 12 Ecological information

12.1 Toxicity:

Acute (short-term) toxicity:

LC50(96h, Fish): >10000 mg/l

EC50(48h, Crustacea): >10000 mg/l

EC50(72h, Algae/aquatic plants): Not available

Chronic (long-term) toxicity:

NOEC(Fish): Not available

NOEC(Crustacea): Not available

EC50(Algae/aquatic plants): Not available

12.2 Persistence and degradability:

This product is not expected to be persistent in the environment.

12.3 Bioaccumulative potential:

No bioaccumulation potential.

12.4 Mobility in soil:

Not available.

12.5 Results of PBT and vPvB assessment:

The mixture does not contain PBT / vPvB substance.

12.6 Endocrine disrupting properties:

The mixture does not contain endocrine disruptor.

12.7 Other adverse effects:

Not available.

12.8 Additional information

Not available.

Section 13 Disposal considerations

13.1 Waste treatment methods:

Dispose of in accordance with all applicable local and national regulations. Use recovery/recycling where feasible, otherwise incineration is the recommended method of disposal. Empty containers may contain hazardous residues. Do not cut, puncture or weld on or near to the container. Labels should not be removed from containers until they have been cleaned. Contaminated containers must not be treated as household waste. Containers should be cleaned by appropriate methods and then re-used or disposed of by landfill or incineration as appropriate. Do not incinerate closed containers.

Section 14 Transport Information

	Land transport (ADR/RID)	Inland waterways (ADN)	Sea transport (IMDG)	Air transport (ICAO/IATA)
14.1 UN number or ID number	Not regulated	Not regulated	Not regulated	Not regulated
14.2 UN proper shipping name	Not regulated	Not regulated	Not regulated	Not regulated
14.3 Transport hazard class(es)	Not regulated	Not regulated	Not regulated	Not regulated
14.4 Packing group	Not regulated	Not regulated	Not regulated	Not regulated
14.5 Environmental hazards	No	No	No	No
14.6 Special precautions for user	See section 2.2	See section 2.2	See section 2.2	See section 2.2
14.7 Maritime transport in bulk according to IMO instruments	Not regulated	Not regulated	Not regulated	Not regulated

Section 15 Regulatory information

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

Relevant information regarding authorization:

Not applicable.

Relevant information regarding restriction:

Not applicable.

Other EU regulations:

Employment restrictions concerning young person must be observed.
For use only by technically qualified individuals.

Other National regulations:

Not applicable

15.2 Chemical Safety Assessment

YES

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NO

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Section 16 Other information

16.1 Indication of changes:

Version 1.0 Amended by (EU) 2020/878, (EU) 2023/707

16.2 Abbreviations and acronyms:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
RID: Regulations concerning the International Carriage of Dangerous Goods by Rail
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
IMDG: Code international maritime dangerous goods code
ICAO: International Civil Aviation Organization
IATA: International Air Transport Association
UFI: Unique Formula Identifier
LC50: median lethal concentration
EC50: The effective concentration of substance that causes 50% of the maximum response.
NOEC: No Observed Effect Concentration
DNEL: derived no-effect level
PNEC: predicted no-effect concentration

16.3 Key literature references and sources for data

ECHA Registered substances data

16.4 Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]

Classification according to Regulation (EC) No. 1272/2008		Classification procedure
Acute Tox. 4	H302	Calculation method
Skin Sens. 1	H317	Calculation method
STOT SE 1	H370	Calculation method
Aquatic Chronic 3	H412	Calculation method

16.5 Relevant H-statements (number and full text):

H225: Highly flammable liquid and vapour.
H226: Flammable liquid and vapour.
H301: Toxic if swallowed.
H302: Harmful if swallowed.
H304: May be fatal if swallowed and enters airways.
H311: Toxic in contact with skin.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H331: Toxic if inhaled.
H370: Causes damage to organs (Optic nerve (nervus opticus), central nervous system).
H371: May cause damage to organs.
H411: Toxic to aquatic life with long lasting effects.
H412: Harmful to aquatic life with long lasting effects.

16.6 Training instructions:

Not applicable.

16.7 Further information:

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

16.8 Notice to reader:

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.

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