

1. PRODUCT AND COMPANY IDENTIFICATION

Product Code: MORGAN-148-BULK
Product Name: Orange Degreaser
Company Name: Morgan-Gallacher, Inc.
8707 Millergrove Drive
Santa Fe Springs, CA 90670
Phone Number: +1 (562)695-1232
Emergency Contact: CHEMTREC +1 (800)424-9300

2. HAZARDS IDENTIFICATION

Flammable Liquids, Category 4
Acute Toxicity: Oral, Category 4
Serious Eye Damage/Eye Irritation, Category 2A
Skin Corrosion/Irritation, Category 2



GHS Signal Word: **Warning**

GHS Hazard Phrases: Combustible liquid.
Harmful if swallowed.
Causes skin irritation.
Causes serious eye irritation.

GHS Precaution Phrases: Keep out of reach of children.
Read label before use.
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Do not eat, drink or smoke when using this product.
Wear protective gloves/protective clothing/eye protection/face protection.
Wash hands thoroughly after handling.

GHS Response Phrases: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for 15 minutes.
Get immediate medical advice/attention.
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Get immediate medical advice/attention.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Wash with plenty of soap and water.
If skin irritation occurs, get medical attention. Wash contaminated clothing before reuse.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Get medical advice/attention.

GHS Storage and Disposal Phrases: Store in cool/well-ventilated place.
Dispose of contents/container in accordance to local, state and federal regulations.

Skin Contact: May cause skin irritation. Repeated or prolonged exposure may cause drying of the skin.

Eye Contact: May cause eye irritation. May cause redness.

Ingestion: May be harmful if swallowed. May cause gastrointestinal irritation.

3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration
68002-97-1	Alcohols, C10-C16, Ethoxylated	< 5.0 %
112-34-5	Diethylene glycol monobutyl ether	< 5.0 %
5989-27-5	d-Limonene	< 5.0 %
61790-12-3	Tall oil acids	<10.0 %

4. FIRST AID MEASURES

Emergency and First Aid Procedures:

- In Case of Inhalation:** Remove from exposure and move to fresh air immediately. Get medical aid if irritation or symptoms occur.
- In Case of Skin Contact:** Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Remove contaminated clothing and shoes. Wash clothing before reuse.
If skin irritation occurs, get medical advice/attention.
- In Case of Eye Contact:** Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.
- In Case of Ingestion:** Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. If victim is conscious and alert, give 2-4 cupfuls of water. Get medical attention immediately.
- Note to Physician:** Treat symptomatically and supportively. Show this safety data sheet to the doctor in attendance.

5. FIRE FIGHTING MEASURES

- Flash Pt:** NA
- Explosive Limits:** LEL: No data. UEL: No data.
- Autoignition Pt:** NA
- Suitable Extinguishing Media:** Use water spray, dry chemical, carbon dioxide, or appropriate foam.
- Unsuitable Extinguishing Media:** Do NOT use straight streams of water.
- Fire Fighting Instructions:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Use water spray to keep fire-exposed containers cool. May form explosive peroxides. Vapors are heavier than air and may travel to a source of ignition and flash back. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.
- Flammable Properties and Hazards:** High temperatures and fires may produce toxic:carbon and nitrogen oxides carbon monoxide, carbon dioxide, oxides of phosphorus.
- Hazardous Combustion Products:** No data available.

6. ACCIDENTAL RELEASE MEASURES

- Protective Precautions, Protective Equipment and Emergency Procedures:** Use proper personal protective equipment as indicated in Section 8.
- Environmental Precautions:** Observe all federal, state, and local environmental regulations.
- Steps To Be Taken In Case Material Is Released Or Spilled:** Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container.

7. HANDLING AND STORAGE

- Precautions To Be Taken in Handling:** Do not get in eyes, on skin, or on clothing. Do not ingest or inhale. Use with adequate ventilation.
- Precautions To Be Taken in Storing:** Do not store in direct sunlight. Protect containers against damage. Keep container tightly closed in a dry and well-ventilated place.
- Other Precautions:** Handle in accordance with good industrial hygiene and safety practice.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
68002-97-1	Alcohols, C10-C16, Ethoxylated	No data.	No data.	No data.
112-34-5	Diethylene glycol monobutyl ether	No data.	No data.	No data.
5989-27-5	d-Limonene	No data.	No data.	No data.
61790-12-3	Tall oil acids	No data.	No data.	No data.

- Respiratory Equipment (Specify Type):** No special respiratory protection equipment is required with normal use.
- Eye Protection:** Safety glasses.
- Protective Gloves:** Wear appropriate protective gloves to prevent skin exposure. Rubber or neoprene gloves.
- Other Protective Clothing:** No data available.
- Engineering Controls (Ventilation etc.):** Use adequate ventilation to keep airborne concentrations low.
- Work/Hygienic/Maintenance Practices:** Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

- Physical States:** [] Gas [X] Liquid [] Solid
- Appearance and Odor:** Transparent. Amber. Liquid.
- pH:** 10 - 11
- Melting Point:** NA
- Boiling Point:** NA
- Flash Pt:** NA
- Evaporation Rate:** NA
- Flammability (solid, gas):** No data available.
- Explosive Limits:** LEL: No data. UEL: No data.
- Vapor Pressure (vs. Air or mm Hg):** NA
- Vapor Density (vs. Air = 1):** NA

Specific Gravity (Water = 1): 1.005 - 1.015
Solubility in Water: No data.
Saturated Vapor Concentration: NA
Octanol/Water Partition Coefficient: No data.
Autoignition Pt: NA
Decomposition Temperature: NA
Viscosity: No data.

10. STABILITY AND REACTIVITY

Reactivity: High temperatures and fire conditions can result in the formation of carbon monoxide and carbon dioxide.

Stability: Unstable [] Stable [X]

Conditions To Avoid - Instability: Incompatible materials, High temperatures, Light.

Incompatibility - Materials To Avoid: Strong acids.

Hazardous Decomposition or Byproducts: High temperatures and fires may produce toxic: carbon and nitrogen oxides carbon monoxide, carbon dioxide.

Possibility of Hazardous Reactions: Will occur [] Will not occur [X]

Conditions To Avoid - Hazardous Reactions: No data available.

11. TOXICOLOGICAL INFORMATION

Toxicological Information:

Epidemiology: No information found.
 Teratogenicity: No information available.
 Reproductive Effects: No information available.
 Mutagenicity: No information available.
 Neurotoxicity: Acute toxicity. No data available.
 Respiratory or skin sensitization: No information available.

Other Studies: CAS# 112-34-5:
 Acute toxicity, LD50, Oral, Rat, 5660 mg/kg

CAS# 112-34-5: Diethylene glycol monobutyl ether: Acute toxicity, LD50, Oral, Rat, 5660. MG/KG.
 Acute toxicity, LD50, Oral, Mouse, 2400. MG/KG.
 Acute toxicity, LD50, Skin, Species: Rabbit, 2700. MG/KG.
 Acute toxicity, TCLo, Inhalation, Rat, 936.0 mg/m3.
 Standard Draize Test, Eyes, Species: Rabbit, 20.00 MG, 24 H.

CAS# 5989-27-5: d-Limonene: Reproductive Effects:, TDLo, Oral, Rat, 20083. MG/KG, female 9-15 day(s) after conception.
 Reproductive Effects:, TDLo, Oral, Mouse, 14178. MG/KG, female 7-12 day(s) after conception.
 Reproductive Effects:, TDLo, Oral, Species: Rabbit, 3250. MG/KG, female 6-18 day(s) after conception.
 Acute toxicity, LD50, Skin, Species: unspecified., > 5.000 GM/KG.

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
68002-97-1	Alcohols, C10-C16, Ethoxylated	n.a.	n.a.	n.a.	n.a.
112-34-5	Diethylene glycol monobutyl ether	n.a.	n.a.	n.a.	n.a.
5989-27-5	d-Limonene	n.a.	3	n.a.	n.a.
61790-12-3	Tall oil acids	n.a.	n.a.	n.a.	n.a.

12. ECOLOGICAL INFORMATION

General Ecological Information: Environmental: No information available.
Physical: No information found.

CAS# 112-34-5: Diethylene glycol monobutyl ether: LC50, Water Flea (Daphnia magna), 2850. MG/L, 24 H, Intoxication,.
LC50, Carp (Leuciscus idus ssp. melanotus), 1805. MG/L, 48 H, Mortality.
Effective concentration to 10% of test organisms., Green Algae Order (Chlorococcales), 1000. MG/L, 24 H, Physiology.
CAS# 5989-27-5: d-Limonene: Effective concentration to 50% of test organisms., Water Flea (Daphnia magna), 421.0 UG/L, 48 H, Intoxication,.

Bioaccumulative Potential: No data available.

Mobility in Soil: No data available.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method: Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification. Observe all federal, state, and local environmental regulations.

14. TRANSPORT INFORMATION

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Not Regulated.

DOT Hazard Class:

UN/NA Number:

15. REGULATORY INFORMATION

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
68002-97-1	Alcohols, C10-C16, Ethoxylated	No	No	No
112-34-5	Diethylene glycol monobutyl ether	No	No	Yes-Cat. N230
5989-27-5	d-Limonene	No	No	No
61790-12-3	Tall oil acids	No	No	No

This material meets the EPA 'Hazard Categories' defined for SARA Title III Sections 311/312 as indicated:

<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Explosive	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Acute toxicity (any route of exposure)
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Flammable (gases, aerosols, liquid, or solid)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Skin Corrosion or Irritation
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Oxidizer (liquid, solid or gas)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Serious eye damage or eye irritation
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Self-reactive	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Respiratory or Skin Sensitization
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Pyrophoric (liquid or solid)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Germ cell mutagenicity
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Pyrophoric gas	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Carcinogenicity
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Self-heating	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Reproductive toxicity
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Organic peroxide	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Specific target organ toxicity (single or repeated exposure)

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|---|---|---|---|
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Corrosive to metal | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Aspiration Hazard |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Gas under pressure (compressed gas) | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Simple Asphyxiant |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | In contact with water emits flammable gas | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | (Health) Hazard Not Otherwise Classified (HNOC) |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Combustible Dust | | |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | (Physical) Hazard Not Otherwise Classified (HNOC) | | |

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
68002-97-1	Alcohols, C10-C16, Ethoxylated	CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NJ EHS: No; NY Part 597: No; PA HSL: No
112-34-5	Diethylene glycol monobutyl ether	CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: Yes - Cat.; MA Oil/HazMat: No; MI CMR, Part 5: Yes - Cat.; NJ EHS: Yes - Cat.; NY Part 597: No; PA HSL: Yes - E(c)
5989-27-5	d-Limonene	CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NJ EHS: No; NY Part 597: No; PA HSL: No
61790-12-3	Tall oil acids	CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NJ EHS: No; NY Part 597: No; PA HSL: No

16. OTHER INFORMATION

Revision Date: 01/05/2019

Additional Information About No data available.

This Product:

Company Policy or Disclaimer: While Morgan-Gallacher believes the statements set forth herein are accurate as of the date hereof, Morgan-Gallacher makes no warranty with respect thereto and expressly disclaims all liability for reliance thereon. Such data is offered solely for your consideration, investigation, and verification.