

1. PRODUCT AND COMPANY IDENTIFICATION

Product Code: MORGAN-095-BULK
Product Name: Grease Off
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

Skin Corrosion/Irritation, Category 1C
Acute Toxicity: Oral, Category 4
Serious Eye Damage/Eye Irritation, Category 2



GHS Signal Word: **Danger**
GHS Hazard Phrases: Harmful if swallowed.
Causes severe skin burns and eye damage.
GHS Precaution Phrases: Keep out of reach of children.
Read label before use.
Do not breathe dust/fume/gas/mist/vapors/spray.
Wash hands thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection.
Do not get in eyes, on skin, or on clothing.
GHS Response Phrases: IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with plenty of water for 15 minutes.
Get immediate medical advice/attention.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
If experiencing respiratory symptoms, get immediate medical attention.
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.
GHS Storage and Disposal Phrases: Store locked up.
Dispose of contents/container in accordance to local, state and federal regulations.
OSHA Regulatory Status: This material is classified as hazardous under OSHA regulations.
Inhalation: May cause respiratory tract irritation. May be harmful if inhaled.
Skin Contact: May cause a burning sensation of the skin. May be harmful if absorbed through the skin.
Eye Contact: Causes eye irritation. Causes eye burns.
Ingestion: May cause irritation of the digestive tract. Harmful if swallowed.

3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration
NA	Phosphate	<10.0 %
10213-79-3	Sodium meta silicate	<35.0 %
1310-73-2	Sodium hydroxide	< 5.0 %
497-19-8	Sodium carbonate	<35.0 %

4. FIRST AID MEASURES

Emergency and First Aid Procedures:

In Case of Inhalation:	If inhaled, remove to fresh air. Get medical aid.
In Case of Skin Contact:	Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Get medical aid immediately.
In Case of Eye Contact:	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.
In Case of Ingestion:	If swallowed, do NOT induce vomiting. If victim is fully conscious, give a cupful of water. Never give anything by mouth to an unconscious person.
Note to Physician:	Treat symptomatically and supportively. Show this safety data sheet to the doctor in attendance.

5. FIRE FIGHTING MEASURES

Flash Pt:	No data.	
Explosive Limits:	LEL: No data.	UEL: No data.
Autoignition Pt:	No data.	
Suitable Extinguishing Media:	Use water fog, dry chemical, carbon dioxide, or alcohol-resistant foam. Do NOT get water inside containers.	
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. Use water with caution and in flooding amounts. Contact with metals may evolve flammable hydrogen gas.	
Flammable Properties and Hazards:	No data available.	
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:	Avoid runoff into storm sewers and ditches which lead to waterways.
Steps To Be Taken In Case Material Is Released Or Spilled:	Vacuum or sweep up material and place into a suitable disposal container. Avoid generating dusty conditions. Provide ventilation. Do not get water on spilled substances or inside containers.

7. HANDLING AND STORAGE

Precautions To Be Taken in Handling:	Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Minimize dust generation and accumulation. Do not get in eyes, on skin, or on clothing. Avoid ingestion and inhalation. Do not allow water to get into the container because of violent reaction. Keep container tightly closed.
Precautions To Be Taken in Storing:	Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Keep away from metals. Keep away from acids. Store protected from moisture.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
NA	Phosphate	No data.	No data.	No data.
10213-79-3	Sodium meta silicate	No data.	No data.	No data.
1310-73-2	Sodium hydroxide	PEL: 2 mg/m3	CEIL: 2 mg/m3	No data.
497-19-8	Sodium carbonate	No data.	No data.	No data.

Respiratory Equipment (Specify Type):	Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.
Eye Protection:	Wear chemical splash goggles.
Protective Gloves:	Wear appropriate protective gloves to prevent skin exposure. Rubber or neoprene gloves.
Other Protective Clothing:	Wear appropriate protective clothing to prevent skin exposure.
Engineering Controls (Ventilation etc.):	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical States:	[] Gas [] Liquid [X] Solid	
Appearance and Odor:	Orange. Free flowing granules.	
pH:	11.00 - 13 @ 1% soln	
Melting Point:	No data.	
Boiling Point:	No data.	
Flash Pt:	No data.	
Evaporation Rate:	No data.	
Flammability (solid, gas):	No data available.	
Explosive Limits:	LEL: No data.	UEL: No data.
Vapor Pressure (vs. Air or mm Hg):	No data.	
Vapor Density (vs. Air = 1):	No data.	
Specific Gravity (Water = 1):	No data.	
Solubility in Water:	No data.	

Octanol/Water Partition Coefficient: No data.
Autoignition Pt: No data.
Decomposition Temperature: No data.
Viscosity: No data.

10. STABILITY AND REACTIVITY

Stability: Unstable [] Stable [X]
Conditions To Avoid - Instability: Exposure to moist air or water, dust generation.
Incompatibility - Materials To Avoid: Acids, fluorine, Flammable hydrogen gas may be produced on prolonged contact with materials such as aluminum, gelatin, lead, and zinc). Water, metals, aluminum, Zinc, nitromethane, leather, flammable liquids, organic halogens.
Hazardous Decomposition or Byproducts: Toxic fumes of sodium oxide.
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 data available.
Teratogenicity: No data available.
Reproductive Effects: No information found.
Mutagenicity: No information found.
Neurotoxicity: No information found.

CAS# 1310-73-2: Sodium hydroxide: Acute toxicity, LD50, Oral, Rat, 325.0 MG/KG.
Acute toxicity, LD50, Dermal, Rabbit, 1350. MG/KG.
Standard Draize Test, Eyes, Species: Monkey., 1.000 %, 24 H.
Standard Draize Test, Skin, Species: Rabbit, 500.0 MG, 24 H.
CAS# 497-19-8: Sodium carbonate: Reproductive Effects:, TDLo, Intrauterine, Mouse, 84800. NG/KG, female 4 day(s) after conception.
Acute toxicity, LC50, Inhalation, Rat, 5750. MG/L, 2 H.
Acute toxicity, LD50, Oral, Mouse, 6600. MG/KG.

Irritation or Corrosion: Other Studies: CAS# 1310-73-2
Acute toxicity, LD50, Oral, Mouse, 5800mg/kg.

Other Studies: CAS# 1310-73-2
Standard Draize Test, Eyes, Species: Rabbit, 400.0 ug

Carcinogenicity/Other Information: CAS# 10213-79-3: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

CAS# 1310-73-2: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

ACGIH: No component of this product present at levels greater than or equal to 6834-92-0 is identified as a carcinogen or potential carcinogen by ACGIH.

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.

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.

Carcinogenicity:		NTP? No	IARC Monographs? No	OSHA Regulated? No		
CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA	
NA	Phosphate	n.a.	n.a.	n.a.	n.a.	
10213-79-3	Sodium meta silicate	n.a.	n.a.	n.a.	n.a.	
1310-73-2	Sodium hydroxide	n.a.	n.a.	n.a.	n.a.	
497-19-8	Sodium carbonate	n.a.	n.a.	n.a.	n.a.	

12. ECOLOGICAL INFORMATION

General Ecological Information:	<p>Environmental: No information available.</p> <p>Physical: No information available.</p> <p>CAS# 1310-73-2: Sodium hydroxide: Effective concentration to 0 % of test organisms, Bluegill (<i>Lepomis macrochirus</i>), 50000. UG/L, 7 D, Mortality. LC50, Western Mosquitofish (<i>Gambusia affinis</i>), adult(s), 125000. UG/L, 48 H, Mortality. Not reported., Water Flea (<i>Daphnia sp.</i>), 100000. UG/L, 48 H, Mortality. Not reported., Shiner (<i>Notropis sp.</i>), 100000. UG/L, 120 H, Mortality. 100% mortality or 0% survival of organism., Bony Fishes (<i>Osteichthyes</i>), 100000. UG/L, 3 - 10 H.</p> <p>CAS# 497-19-8: Sodium carbonate: LC50, Western Mosquitofish (<i>Gambusia affinis</i>), adult(s), 1200000. UG/L, 24 H, Mortality. LC50, Mosquito (<i>Culex sp.</i>), larva(e), 1820000. UG/L, 24 H, Mortality.</p>
Results of PBT and vPvB assessment:	<p>Other Studies: CAS# 1310-73-2: LC50, Common Shrimp, Sand Shrimp (<i>Crangon crangon</i>), adult(s), 33000 - 100000 ug/L, 48H, Mortality LC50, Western Mosquitofish (<i>Gambusia affinis</i>), adult(s), 125000 ug/L, 96H, Mortality LC50, Cockle (<i>Cerastoderma edule</i>), adult(s) 330000 - 1000000 ug/L, 48H, Mortality LC50, Guppy (<i>Poecilia reticulata</i>), young organism(s), 196.0 mg/L, 96H, Mortality</p>
Persistence and Degradability:	No data available.
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. Contact a licensed professional waste disposal service to dispose of this material.
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14. TRANSPORT INFORMATION

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Corrosive solid, basic, inorganic, n.o.s.(Sodium metasilicate, Sodium hydroxide)
DOT Hazard Class: 8 CORROSIVE
UN/NA Number: UN3262 **Packing Group:** III



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)
NA	Phosphate	No	No	No
10213-79-3	Sodium meta silicate	No	No	No
1310-73-2	Sodium hydroxide	No	Yes 1000 LB	No
497-19-8	Sodium carbonate	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)
<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

NA	Phosphate	CWA NPDES: No; TSCA: No; 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
10213-79-3	Sodium meta silicate	CWA NPDES: No; TSCA: No; 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
1310-73-2	Sodium hydroxide	CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: TAC: Cat. IIb, Title 8; MA Oil/HazMat: Yes; MI CMR, Part 5: Part 5; NJ EHS: No; NY Part 597: Yes: HS; PA HSL: Yes - E
497-19-8	Sodium carbonate	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: 10/09/2018

Additional Information About This Product: 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.