

Material Safety Data Sheet

Material Name: Cerami-Glyde Grease

*** Section 1 - Chemical Product and Company Identification ***

Manufacturer Information

AGS Company
2651 Hoyt Street
Muskegon Heights, MI 49444

Phone: 800-253-0403
Fax: 800-877-2858
Emergency # 800-255-3924 CHEM-TEL

*** Section 2 - Hazards Identification ***

Emergency Overview

May cause eye, skin and gastrointestinal tract irritation.

Potential Health Effects: Eyes

May be irritating and can cause pain, tearing, reddening and swelling.

Potential Health Effects: Skin

Prolonged or repeated contact may result in irritation and/or dermatitis.

Potential Health Effects: Ingestion

This material may be harmful or fatal if swallowed.

Potential Health Effects: Inhalation

None expected.

HMIS Ratings: Health: 0 Fire: 1 HMIS Reactivity 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic hazard

*** Section 3 - Composition / Information on Ingredients ***

CAS #	Component	Percent
8001-79-4	Castor oil	30-40
67762-90-7	Dimethyl silicone polymer with silica	11-12
10043-11-5	Boron nitride (BN)	2-5
25322-69-4	Polypropylene glycol	0.1-1
90-30-2	N-Phenyl-1-naphthylamine	0.1-1
63148-62-9	Poly(dimethylsiloxane)	0.1-1
110-25-8	Glycine, N-methyl-N-(1-oxo-9-octadecenyl)-, (Z)-	0.1-1
74499-36-8	9,10-Anthracenedione, 1,4-diamino-, N,N'-mixed 2-ethylhexyl and methyl and pentyl derivatives	0.1-1
64742-94-5	Naphtha (petroleum), heavy aromatic	0.1-1
1303-86-2	Boron oxide	0.1-1
91-20-3	Naphthalene	0.1-1

*** Section 4 - First Aid Measures ***

First Aid: Eyes

Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.

First Aid: Skin

Immediately flush with plenty of water. Remove clothing. Get medical attention immediately. Wash clothing separately before reuse.

First Aid: Ingestion

Get medical attention immediately. If swallowed, DO NOT induce vomiting. Give victim a glass of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

First Aid: Inhalation

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

*** Section 5 - Fire Fighting Measures ***

General Fire Hazards

See Section 9 for Flammability Properties.
Product can produce dense smoke from burning oil.

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Hazardous Combustion Products

Oxides of carbon, nitrogen and chromium

Extinguishing Media

CO2, Dry Chemical, Foam

Fire Fighting Equipment/Instructions

Firefighters should wear full protective gear.

NFPA Ratings: Health: 0 Fire: 1 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

*** Section 6 - Accidental Release Measures ***

Containment Procedures

No special containment needed.

Clean-Up Procedures

Scrape up material and place in a chemical waste container.

Evacuation Procedures

Isolate area. Keep unnecessary personnel away.

Special Procedures

None

*** Section 7 - Handling and Storage ***

Handling Procedures

Wash thoroughly after handling

Storage Procedures

Store in cool dry environment.

*** Section 8 - Exposure Controls / Personal Protection ***

A: Component Exposure Limits

Boron oxide (1303-86-2)

ACGIH: 10 mg/m3 TWA

OSHA: 10 mg/m3 TWA (total dust)

NIOSH: 10 mg/m3 TWA

Naphthalene (91-20-3)

ACGIH: 10 ppm TWA

15 ppm STEL

Skin - potential significant contribution to overall exposure by the cutaneous route

OSHA: 10 ppm TWA; 50 mg/m3 TWA

15 ppm STEL; 75 mg/m3 STEL

NIOSH: 10 ppm TWA; 50 mg/m3 TWA

15 ppm STEL; 75 mg/m3 STEL

Engineering Controls

None needed under normal product use conditions.

PERSONAL PROTECTIVE EQUIPMENT

Personal Protective Equipment: Eyes/Face

Wear safety glasses with side shields or goggles.

Personal Protective Equipment: Skin

Where contact is likely, wear chemical resistant gloves.

Personal Protective Equipment: Respiratory

If airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection.

Personal Protective Equipment: General

Eye wash recommended in work area.

*** Section 9 - Physical & Chemical Properties ***

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Appearance:	Opaque	Odor:	Odorless
Physical State:	Semi-solid	pH:	NA
Vapor Pressure:	Negligible	Vapor Density:	Heavier than air
Boiling Point:	NA	Melting Point:	ND
Solubility (H2O):	Negligible	Specific Gravity:	>1
Evaporation Rate:	ND	VOC:	ND
Octanol/H2O Coeff.:	ND	Flash Point:	ND
Flash Point Method:	NA	Upper Flammability Limit (UFL):	NA
Lower Flammability Limit (LFL):	NA	Burning Rate:	ND
Auto Ignition:	ND		

*** Section 10 - Chemical Stability & Reactivity Information ***

Chemical Stability

This is a stable material.

Chemical Stability: Conditions to Avoid

Sources of ignition.

Incompatibility

Strong acid or alkali, oxidizers and amines.

Hazardous Decomposition

Oxides of carbon and nitrogen

Possibility of Hazardous Reactions

Will not occur.

*** Section 11 - Toxicological Information ***

Acute Dose Effects

A: General Product Information

No information available for the product.

B: Component Analysis - LD50/LC50

Poly(dimethylsiloxane) (63148-62-9)

Oral LD50 Rat >17 g/kg; Dermal LD50 Rabbit >2 g/kg

Polypropylene glycol (25322-69-4)

Oral LD50 Rat >2 g/kg

N-Phenyl-1-naphthylamine (90-30-2)

Oral LD50 Rat 1625 mg/kg

Naphtha (petroleum), heavy aromatic (64742-94-5)

Inhalation LC50 Rat >590 mg/m3 4 h; Oral LD50 Rat >5000 mg/kg; Dermal LD50 Rabbit >2000 mg/kg

Boron oxide (1303-86-2)

Oral LD50 Mouse 3163 mg/kg; Oral LD50 Rat 3150 mg/kg

Naphthalene (91-20-3)

Inhalation LC50 Rat >340 mg/m3 1 h; Oral LD50 Rat 490 mg/kg; Dermal LD50 Rat >2500 mg/kg; Dermal LD50 Rabbit >20 g/kg

Carcinogenicity

A: General Product Information

No information available for the product.

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B: Component Carcinogenicity

Naphthalene (91-20-3)

ACGIH: A4 - Not Classifiable as a Human Carcinogen

NTP: Reasonably Anticipated To Be A Human Carcinogen (Possible Select Carcinogen)

IARC: Monograph 82 [2002] (Group 2B (possibly carcinogenic to humans))

*** Section 12 - Ecological Information ***

Ecotoxicity

A: General Product Information

No information available for the product.

B: Component Analysis - Ecotoxicity - Aquatic Toxicity

Naphtha (petroleum), heavy aromatic (64742-94-5)

Test & Species

96 Hr LC50 Pimephales promelas	19 mg/L [static]
96 Hr LC50 Oncorhynchus mykiss	2.34 mg/L
96 Hr LC50 Lepomis macrochirus	1740 mg/L [static]
96 Hr LC50 Pimephales promelas	45 mg/L [flow-through]
96 Hr LC50 Pimephales promelas	41 mg/L
72 Hr EC50 Skeletonema costatum	2.5 mg/L
48 Hr EC50 Daphnia magna	0.95 mg/L

Conditions

Boron oxide (1303-86-2)

Test & Species

72 Hr LC50 Carassius auratus	0.57 g/L [flow-through]
48 Hr EC50 Daphnia magna	370 - 490 mg/L

Conditions

Naphthalene (91-20-3)

Test & Species

96 Hr LC50 Pimephales promelas	5.74-6.44 mg/L [flow-through]
96 Hr LC50 Oncorhynchus mykiss	1.6 mg/L [flow-through]
96 Hr LC50 Oncorhynchus mykiss	0.91-2.82 mg/L [static]
96 Hr LC50 Pimephales promelas	1.99 mg/L [static]
96 Hr LC50 Lepomis macrochirus	31.0265 mg/L [static]
72 Hr EC50 Skeletonema costatum	0.4 mg/L
48 Hr LC50 Daphnia magna	2.16 mg/L
48 Hr EC50 Daphnia magna	1.96 mg/L [Flow through]
48 Hr EC50 Daphnia magna	1.09 - 3.4 mg/L [Static]

Conditions

*** Section 13 - Disposal Considerations ***

US EPA Waste Number & Descriptions

Component Waste Numbers

Naphthalene (91-20-3)

RCRA: waste number U165

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Disposal Instructions

All wastes must be handled in accordance with local, state and federal regulations.

See Section 7 for Handling Procedures. See Section 8 for Personal Protective Equipment recommendations.

*** Section 14 - Transportation Information ***

US DOT Information

Shipping Name: Not Regulated

*** Section 15 - Regulatory Information ***

US Federal Regulations

Component Analysis

This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65) and/or CERCLA (40 CFR 302.4).

Naphthalene (91-20-3)

CERCLA: 100 lb final RQ; 45.4 kg final RQ

State Regulations

Component Analysis - State

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	CA	MA	MN	NJ	PA	RI
Polypropylene glycol	25322-69-4	No	No	Yes	No	No	No
Boron oxide	1303-86-2	Yes	Yes	Yes	Yes	Yes	Yes
Naphthalene	91-20-3	Yes	Yes	Yes	Yes	Yes	Yes

The following statement(s) are provided under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):

WARNING! This product contains a chemical known to the state of California to cause cancer.

Component Analysis - WHMIS IDL

The following components are identified under the Canadian Hazardous Products Act Ingredient Disclosure List:

Component	CAS #	Minimum Concentration
Castor oil	8001-79-4	1 %

Additional Regulatory Information

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Component Analysis - Inventory

Component	CAS #	TSCA	CAN	EEC
Castor oil	8001-79-4	Yes	DSL	EINECS
Dimethyl silicone polymer with silica	67762-90-7	Yes	DSL	No
Boron nitride (BN)	10043-11-5	Yes	DSL	EINECS
Poly(dimethylsiloxane)	63148-62-9	Yes	DSL	No
Glycine, N-methyl-N-(1-oxo-9-octadecenyl)-, (Z)-	110-25-8	Yes	DSL	EINECS
Polypropylene glycol	25322-69-4	Yes	DSL	No
N-Phenyl-1-naphthylamine	90-30-2	Yes	DSL	EINECS
9,10-Anthracenedione, 1,4-diamino-, N,N'-mixed 2-ethylhexyl and methyl and pentyl derivatives	74499-36-8	Yes	DSL	No
Naphtha (petroleum), heavy aromatic	64742-94-5	Yes	DSL	EINECS
Boron oxide	1303-86-2	Yes	DSL	EINECS
Naphthalene	91-20-3	Yes	DSL	EINECS

*** Section 16 - Other Information ***

Other Information

The information herein is presented in good faith and believed to be accurate as of the effective date given. However, no warranty, expressed or implied, is given. It is the buyer's responsibility to ensure that its activities comply with Federal, State or provincial, and local laws.

Key/Legend

EPA = Environmental Protection Agency; TSCA = Toxic Substance Control Act; ACGIH = American Conference of Governmental Industrial Hygienists; IARC = International Agency for Research on Cancer; NIOSH = National Institute for Occupational Safety and Health; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration., NJTSR = New Jersey Trade Secret Registry.