

Material Safety Data Sheet

Material Name: Sil-Glyde Lubricant

Product No.: BK-1, BK-1A, BK-1ASP, BKB-1P, BKBC-1, BKC-1, BK-3, BKC-3, BK-4, BK-8, BK-12, HB, HB-1, HB-1A, HB-4, RH-1, RH-1A, RH-1ASP, SG-2, SGB-2, SG-2H, SG-2SW, SGO-2, SG-4, SG-4BK, SG-8, SG-8BK, SG-18, SG-20, SG-55

*** 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
25322-69-4	Polypropylene glycol	30-60
67762-90-7	Dimethyl silicone polymer with silica	7-13
Not Available	Oleoyl Sarcosine Mixture	0.1-1
84-66-2	Diethyl phthalate	0.1-1
110-25-8	Glycine, N-methyl-N-(1-oxo-9-octadecenyl)-, (Z)-	0.1-1
90-30-2	N-Phenyl-1-naphthylamine	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.

Hazardous Combustion Products

Oxides of carbon, nitrogen and chromium

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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

Diethyl phthalate (84-66-2)

ACGIH: 5 mg/m3 TWA

OSHA: 5 mg/m3 TWA

NIOSH: 5 mg/m3 TWA

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:	1.0764
Evaporation Rate:	Slower than Butyl Acetate	VOC:	ND
Octanol/H2O Coeff.:	ND	Flash Point:	425°F (218°C)
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

Polypropylene glycol (25322-69-4)

Oral LD50 Rat >2 g/kg

Diethyl phthalate (84-66-2)

Oral LD50 Rat 8600 mg/kg; Dermal LD50 Rat >11200 mg/kg

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

Oral LD50 Rat 1625 mg/kg

Carcinogenicity

A: General Product Information

No information available for the product.

B: Component Carcinogenicity

Diethyl phthalate (84-66-2)

ACGIH: A4 - Not Classifiable as a Human Carcinogen

*** Section 12 - Ecological Information ***

Ecotoxicity

A: General Product Information

No information available for the product.

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B: Component Analysis - Ecotoxicity - Aquatic Toxicity

Diethyl phthalate (84-66-2)

Test & Species	Conditions
96 Hr LC50 Pimephales promelas	17 mg/L [flow-through]
96 Hr LC50 Pimephales promelas	16.8 mg/L [static]
96 Hr LC50 Lepomis macrochirus	22 mg/L [flow-through]
96 Hr LC50 Lepomis macrochirus	16.7 mg/L [static]
96 Hr LC50 Oncorhynchus mykiss	12 mg/L [flow-through]
72 Hr EC50 Desmodesmus subspicatus	23 mg/L
72 Hr EC50 Desmodesmus subspicatus	23 mg/L [static]
96 Hr EC50 Desmodesmus subspicatus	21 mg/L
96 Hr EC50 Desmodesmus subspicatus	21 mg/L [static]
72 Hr EC50 Pseudokirchneriella subcapitata	42 - 255 mg/L
96 Hr EC50 Pseudokirchneriella subcapitata	2.11 - 4.29 mg/L [static]
48 Hr EC50 Daphnia magna	36 - 74 mg/L
48 Hr EC50 Daphnia magna	86 mg/L [Static]

*** Section 13 - Disposal Considerations ***

US EPA Waste Number & Descriptions

Component Waste Numbers

Diethyl phthalate (84-66-2)

RCRA: waste number U088

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).

Diethyl phthalate (84-66-2)

CERCLA: 1000 lb final RQ; 454 kg final RQ

State Regulations

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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
Diethyl phthalate	84-66-2	Yes	Yes	Yes	Yes	Yes	Yes

Component Analysis - WHMIS IDL

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

Component	CAS #	Minimum Concentration
Diethyl phthalate	84-66-2	0.1 %

Additional Regulatory Information

Component Analysis - Inventory

Component	CAS #	TSCA	CAN	EEC
Polypropylene glycol	25322-69-4	Yes	DSL	No
Dimethyl silicone polymer with silica	67762-90-7	Yes	DSL	No
Glycine, N-methyl-N-(1-oxo-9-octadecenyl)-, (Z)-	110-25-8	Yes	DSL	EINECS
Diethyl phthalate	84-66-2	Yes	DSL	EINECS
N-Phenyl-1-naphthylamine	90-30-2	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.