

# Material Safety Data Sheet

Material Name: RuGlyde

Part Numbers: RG-18, RG-18BK, RG-18CT, RG-18MY, RG-20, RG-20BK, RG-20MY, RG-55, RG-55BK, RGC-18, RGC-20

## \*\*\* 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

Prolonged inhalation may cause irritation.

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
7732-18-5	Water	72.48
8001-31-8	Coconut Oil	11.03
1310-58-3	Potassium hydroxide	7.08
7789-12-0	Sodium dichromate, dihydrate	6.93
2807-30-9	Ethylene glycol monopropyl ether	2.28
64742-65-0	Petroleum distillates, solvent dewaxed heavy paraffinic	0.16
102-71-6	Triethanolamine	0.04

## \*\*\* 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.  
None Known

### Hazardous Combustion Products

Oxides of carbon, nitrogen and chromium

### Extinguishing Media

Use suitable extinguishing media for surrounding fire.

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## 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

Absorb with inert 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

Keep from freezing.

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

### A: Component Exposure Limits

#### Potassium hydroxide (1310-58-3)

ACGIH: 2 mg/m3 Ceiling

OSHA: 2 mg/m3 Ceiling

NIOSH: 2 mg/m3 Ceiling

#### Triethanolamine (102-71-6)

ACGIH: 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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<b>Appearance:</b>	Tea Colored	<b>Odor:</b>	Odorless
<b>Physical State:</b>	Liquid	<b>pH:</b>	9.6
<b>Vapor Pressure:</b>	ND	<b>Vapor Density:</b>	Heavier than air
<b>Boiling Point:</b>	212°F	<b>Melting Point:</b>	ND
<b>Solubility (H2O):</b>	Complete	<b>Specific Gravity:</b>	1.01
<b>Freezing Point:</b>	32°F	<b>Evaporation Rate:</b>	Slower than Butyl Acetate
<b>VOC:</b>	ND	<b>Octanol/H2O Coeff.:</b>	ND
<b>Flash Point:</b>	NA	<b>Flash Point Method:</b>	NA
<b>Upper Flammability Limit (UFL):</b>	NA	<b>Lower Flammability Limit (LFL):</b>	NA
<b>Burning Rate:</b>	ND	<b>Auto Ignition:</b>	ND

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

### Chemical Stability

This is a stable material.

### Chemical Stability: Conditions to Avoid

Temperatures below freezing

### Incompatibility

Strong acid or alkali, oxidizers and amines.

### Hazardous Decomposition

Oxides of carbon, nitrogen and chromium.

### 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

##### Water (7732-18-5)

Oral LD50 Rat >90 mL/kg

##### Coconut Oil (8001-31-8)

Oral LD50 Rat >5000 mg/kg

##### Potassium hydroxide (1310-58-3)

Oral LD50 Rat 214 mg/kg

##### Ethylene glycol monopropyl ether (2807-30-9)

Oral LD50 Rat 3089 mg/kg; Dermal LD50 Rabbit 960 µL/kg

##### Petroleum distillates, solvent dewaxed heavy paraffinic (64742-65-0)

Inhalation LC50 Rat 2.18 mg/L 4 h; Oral LD50 Rat >5000 mg/kg; Dermal LD50 Rabbit >2000 mg/kg

##### Triethanolamine (102-71-6)

Oral LD50 Rat 4190 mg/kg; Dermal LD50 Rabbit >2000 mg/kg; Dermal LD50 Rat >16 mL/kg

### Carcinogenicity

#### A: General Product Information

No information available for the product.

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## B: Component Carcinogenicity

Triethanolamine (102-71-6)

IARC: Monograph 77 [2000] (Group 3 (not classifiable))

## \*\*\* Section 12 - Ecological Information \*\*\*

### Ecotoxicity

#### A: General Product Information

No information available for the product.

#### B: Component Analysis - Ecotoxicity - Aquatic Toxicity

Potassium hydroxide (1310-58-3)

##### Test & Species

96 Hr LC50 *Gambusia affinis*

80 mg/L [static]

##### Conditions

Petroleum distillates, solvent dewaxed heavy paraffinic (64742-65-0)

##### Test & Species

96 Hr LC50 *Oncorhynchus mykiss*

>5000 mg/L

48 Hr EC50 *Daphnia magna*

>1000 mg/L

##### Conditions

Triethanolamine (102-71-6)

##### Test & Species

96 Hr LC50 *Pimephales promelas*

10600-13000 mg/L  
[flow-through]

96 Hr LC50 *Pimephales promelas*

>1000 mg/L [static]

96 Hr LC50 *Lepomis macrochirus*

450-1000 mg/L  
[static]

72 Hr EC50 *Desmodesmus*  
*subspicatus*

216 mg/L

96 Hr EC50 *Desmodesmus*  
*subspicatus*

169 mg/L

24 Hr EC50 *Daphnia magna*

1386 mg/L

##### Conditions

## \*\*\* Section 13 - Disposal Considerations \*\*\*

### US EPA Waste Number & Descriptions

#### Component Waste Numbers

No EPA Waste Numbers are applicable for this product's components.

#### 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

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## 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).

### Potassium hydroxide (1310-58-3)

CERCLA: 1000 lb final RQ; 454 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
Potassium hydroxide	1310-58-3	Yes	Yes	Yes	Yes	Yes	Yes
Triethanolamine	102-71-6	No	Yes	Yes	Yes	Yes	Yes

### Component Analysis - WHMIS IDL

No components are listed in the WHMIS IDL.

## Additional Regulatory Information

### Component Analysis - Inventory

Component	CAS #	TSCA	CAN	EEC
Water	7732-18-5	Yes	DSL	EINECS
Coconut Oil	8001-31-8	Yes	DSL	EINECS
Potassium hydroxide	1310-58-3	Yes	DSL	EINECS
Sodium dichromate, dihydrate	7789-12-0	No	No	No
Ethylene glycol monopropyl ether	2807-30-9	Yes	DSL	EINECS
Petroleum distillates, solvent dewaxed heavy paraffinic	64742-65-0	Yes	DSL	EINECS
Triethanolamine	102-71-6	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.