



## SAFETY DATA SHEET

Conforms to the requirements of the United States Hazard Communication regulation 29 CFR 1910.1200

### SECTION 1: CHEMICAL PRODUCT and COMPANY IDENTIFICATION

<b>PRODUCT NAME</b>	<b>AKYPO FOAM RL 40</b>
<b>PRODUCT CASRN</b>	<b>MIXTURE</b>
<b>PRODUCT DESCRIPTION</b>	SURFACE-ACTIVE AGENT PREPARATION
<b>SDS DOCUMENT No.</b>	K00637
<b>RECOMMENDED USES</b>	Product is a surface-active agent intended for use as a formulary ingredient in personal care products.

#### **RESPONSIBLE PARTY**

Kao Specialties Americas LLC  
243 Woodbine Street  
P. O. Box 2316  
High Point, NC 27261  
Telephone: 1-800-727-2214

Refer to SECTION 16 for information regarding the  
MANUFACTURER(s) of this product

FOR ALL TRANSPORTATION ACCIDENTS, call Chemtrec at 800-424-9300 or 703-527-3887 for international collect calls.

### SECTION 2: HAZARD(S) IDENTIFICATION

#### **PRODUCT CLASSIFICATION per 29 CFR 1910.1200**

<b>HAZARD CLASSIFICATION</b>	Serious Eye Damage/Eye Irritation Category 1 Skin Corrosion/Irritation Category 2
<b>SIGNAL WORD</b>	Danger
<b>HAZARD STATEMENTS</b>	Causes skin irritation. Causes serious eye damage.

**HAZARD  
PICTOGRAMS**



**RECOMMENDED SAFETY PRECAUTIONS**

<b>INJURY PREVENTION</b>	Wash thoroughly after handling. Wear chemical-resistant gloves and clothing, eye protection and face protection.
<b>EMERGENCY RESPONSE</b>	IF ON SKIN: Wash with plenty of soap and water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.
<b>PRODUCT STORAGE</b>	The storage area must be protected by properly designed containment to prevent the release of product to groundwater or sewers. Keep container tightly closed when not in use. Store in a well ventilated area.
<b>PRODUCT DISPOSAL</b>	DISPOSE of product and containers in accordance with all applicable local, state, federal, and international regulations.

**HAZARDS NOT OTHERWISE CLASSIFIED**

<b>PYROPHORIC GASES</b>	Not applicable
<b>SIMPLE ASPHYXIANTS</b>	Not applicable
<b>COMBUSTIBLE DUST</b>	Not applicable

Dust Classification	Minimum Ignition Energy	Pmax (bar-g)	Rmax (bar/s)	Kst (bar-m/s)	Explosion Severity
Not Applicable					

Definitions for dust classifications are found in OSHA Instruction CPL 03-00-008 *Combustible Dust National Emphasis Program (reissued)* March 11, 2008, Appendix E, Section 5

<b>Other Known Hazards</b>	None
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**FOR INFORMATION REGARDING ENVIRONMENTAL GHS CLASSIFICATION, REFER TO SECTION 12 BELOW**

**SECTION 3: COMPOSITION/INFORMATION on INGREDIENTS**

Chemical Name	Common Name	CAS Number	Concentration (%)
Water	Water	7732-18-5	Confidential
Confidential	Alkyl ether carboxylic acid, sodium salt	Confidential	Confidential
1,2,3-Propanetriol	Glycerin	56-81-5	< 10

If any items in the table above are described as CONFIDENTIAL, Kao Specialties Americas LLC considers this information to constitute a Trade Secret.

## SECTION 4: FIRST-AID MEASURES

### EYES

Remove contact lens immediately, if present and easy to remove. Immediately flush eyes with plenty of water for at least 15 minutes. If necessary, seek medical attention.

### SKIN

For skin contact, wash immediately with soap and water. If necessary, seek medical attention.

### INGESTION

If the material is swallowed, get immediate medical attention or advice.

### INHALATION

If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen.

### SYMPTOMS of EXPOSURE

None known.

### NOTES to PHYSICIAN

Provide general supportive measures and treat symptomatically.

## SECTION 5: FIRE-FIGHTING MEASURES

### FLAMMABLE PROPERTIES

Refer to SECTION 9: Physical and Chemical Properties

### HAZARDOUS PRODUCTS of COMBUSTION

Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

### PROPERTIES THAT COULD INCREASE FIRE or EXPLOSION HAZARD

No known hazards.

### EXTINGUISHING MEDIA

Powder, alcohol-resistant foam, CO2 & sand

### FIRE-FIGHTING INSTRUCTIONS

Firefighters should wear full protective clothing including self contained breathing apparatus.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

FOR ALL TRANSPORTATION ACCIDENTS, call Chemtrec at 800-424-9300 or 703-527-3887 for international collect calls.

### RESPONSE TO SMALL SPILLS OF PRODUCT

<b>SPILL CONTAINMENT</b>	Stop the flow of material, if this is without risk. Contain the discharged material.
<b>SPILL CLEANUP PROCEDURES</b>	Absorb spill with inert material. Shovel material into appropriate container for disposal.
<b>REQUIRED EQUIPMENT</b>	Shovel the material into waste container.
<b>ADDITIONAL INFORMATION</b>	No other spill procedures necessary.

### RESPONSE TO LARGE SPILLS OF PRODUCT

<b>SPILL CONTAINMENT</b>	Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Prevent liquid from entering sewers. Keep out of drains and water courses.
<b>SPILL CLEANUP PROCEDURES</b>	Absorb spill with inert material. Shovel material into appropriate container for disposal. Thoroughly wash the area with water after a spill or leak clean-up. Dispose of spent absorbent in an approved industrial waste landfill.
<b>REQUIRED EQUIPMENT</b>	Wear appropriate protective equipment and clothing during clean-up.
<b>ADDITIONAL INFORMATION</b>	Surfaces may become slippery after spillage. Have emergency equipment readily available. Remove soiled clothing and laundry before reuse.

## SECTION 7: HANDLING AND STORAGE

<b>HANDLING REQUIREMENTS</b>	As with all chemicals, good industrial hygiene practices should be followed when handling this material. Do not get this material in your eyes, on your skin, or on your clothing. Wash thoroughly after handling. Empty drums should be completely drained, properly banded and promptly returned to a drum reconditioner, or promptly disposed of.
<b>STORAGE REQUIREMENTS</b>	Do not store this material in open or unlabeled containers. Storage area should be protected by appropriately designed containment to prevent release to groundwater or sewers.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### ENGINEERING CONTROLS

Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.

### PERSONAL PROTECTIVE EQUIPMENT

#### EYE/FACE PROTECTION

Wear chemical goggles.

#### HAND PROTECTION

Use impervious gloves.

#### SKIN PROTECTION

Normal work clothing (long sleeved shirts and long pants) is recommended.

#### RESPIRATORY PROTECTION

A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever there may be potential for airborne exposure.

#### OTHER

Eyewash fountains and emergency showers are required.

### EXPOSURE LIMITS

CHEMICAL	CASRN	PERCENT	LIMITS	AGENCY
Glycerin	56-81-5	<10	15 mg/m3 TWA (mist, total particulate); 5 mg/m3 TWA (mist, respirable fraction)	OSHA

**ACGIH:** No exposure limits established for this product

## SECTION 9: PHYSICAL and CHEMICAL PROPERTIES

#### APPEARANCE @ 20°C

Colorless Paste

#### ODOR

Characteristic odor

#### ODOR THRESHOLD

No data available

#### pH

6.0 - 7.0 (10% solution @ 20°C)

#### VAPOR DENSITY

No data available

#### VAPOR PRESSURE

No data available

#### EVAPORATION RATE

No data available

#### RELATIVE DENSITY

1.05g/mL @ 20°C

#### MELTING POINT (°C)

No data available

#### WATER SOLUBILITY

No data available.

#### INITIAL BOILING POINT (°C)

No data available

#### BOILING RANGE (°C)

No data available

<b>PARTITION COEFFICIENT (N- OCTANOL/WATER)</b>	No data available	<b>VISCOSITY</b>	13,000cP - 19,000cP @ 20°C
<b>DECOMPOSITION TEMPERATURE</b>	No data available	<b>FLAMMABILITY</b>	CLASS IIIB
<b>FLASH POINT (°C)</b>	>100°C Cleveland Open Cup	<b>AUTO-IGNITION TEMPERATURE</b>	No data available
<b>UPPER EXPLOSIVE LIMIT</b>	No data available	<b>LOWER EXPLOSIVE LIMIT</b>	No data available

## SECTION 10: STABILITY and REACTIVITY

**CHEMICAL STABILITY** | Stable under normal conditions.

**CONDITIONS to  
AVOID** | None known

**INCOMPATIBLE  
MATERIALS  
(Reactivity)** | None known.

**INCOMPATIBLE  
MATERIALS (Storage  
& Transport)** | No information available.

**HAZARDOUS  
DECOMPOSITION  
PRODUCTS** | None known.

**HAZARDOUS  
POLYMERIZATION** | Will not occur.

## SECTION 11: TOXICOLOGICAL INFORMATION

### ACUTE EFFECTS

**EYE EFFECTS** | Risk of serious damage to eyes.

**SKIN EFFECTS** | This product is irritating to the skin.

**ACUTE ORAL  
EFFECTS  
(INGESTION)** | Not a likely route of entry.

**ACUTE INHALATION  
EFFECTS** | Low vapor pressure makes inhalation unlikely at standard temperatures and pressures.

**TARGET ORGANS** | No known effects.

#### **CHRONIC EFFECTS**

**TERATOLOGY** | No data available for this product.

**REPRODUCTIVE and  
DEVELOPMENTAL  
TOXICITY** | No information available.

#### **CARCINOGENICITY**

CHEMICAL NAME	DATA	AGENCY	LIST
None of the components of this product are listed on the OSHA Possible or Select Carcinogens Lists.			
None of the components of this product are listed on the ACGIH Carcinogens List.			
No limits established for this product by the International Agency for Research on Cancer (IARC).			
None of the components of this product are listed on the NTP Known or Suspected Carcinogens List.			

#### **LETHAL DOSE (LD50 & LC50) DATA**

No information available for this product.

#### **LETHAL DOSE (LD50 & LC50) DATA for PRODUCT COMPONENTS**

<b>LD50 ORAL</b>	LD50 Oral Rat > 2000 mg/kg Rat 1 Rat 12600 mg/kg	Alkyl ether carboxylic acid, sodium salt Dodecyl alcohol, ethoxylated Glycerin
<b>LD50 DERMAL</b>	LD50 Dermal Rabbit > 10 g/kg	Glycerin
<b>LC50 INHALATION</b>	LC50 Inhalation Rat > 570 mg/m3	Glycerin

**MEDICAL  
CONDITIONS  
AGGRAVATED by  
EXPOSURE** | No information available.

**ROUTES of ENTRY** | Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation.

## **SECTION 12: ECOLOGICAL INFORMATION**

#### **UN GHS AQUATIC TOXICITY CLASSIFICATION INFORMATION**

<b>AQUATIC TOXICITY CLASSIFICATION</b>	Not classified as hazardous to aquatic environment
<b>SIGNAL WORD</b>	Not applicable
<b>HAZARD PICTOGRAM</b>	Not applicable
<b>HAZARD STATEMENT</b>	Not applicable
<b>PREVENTION</b>	Not applicable
<b>RESPONSE</b>	Not applicable
<b>DISPOSAL</b>	Not applicable

#### **ADDITIONAL ENVIRONMENTAL INFORMATION**

<b>AQUATIC TOXICITY</b>	96 hr LC50 : 8.6 mg/L	(data on alkyl ether carboxylic acid, sodium salt)
	72 hr EC50 Algae : 8.6 mg/L	(data on alkyl ether carboxylic acid, sodium salt)
	24 hr EC50 daphnia magna : 2.1 mg/L	(data on alkyl ether carboxylic acid, sodium salt)
	Algae, Growth Inhibition Test, 72 hour, NOErC : 1.9 mg/L	(data on alkyl ether carboxylic acid, sodium salt)
<b>ECOTOX. INFORMATION</b>	None determined	
<b>ENVIRONMENTAL FATE</b>	This product is Readily Biodegradable.	
<b>BIOLOGICAL OXYGEN DEMAND (BOD5), g/g</b>	No data available	
<b>CHEMICAL OXYGEN DEMAND (COD), g/g</b>	No data available	
<b>PERSISTENCE &amp; DEGRADABILITY</b>	No information available.	
<b>BIOACCUMULATION</b>	No information available	

## **SECTION 13: DISPOSAL CONSIDERATIONS**

<b>WASTE DESCRIPTION</b>	Wastes must be tested using methods described in 40 CFR Part 261 to determine if it meets applicable definitions of hazardous wastes.
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<b>GENERAL DISPOSAL CONSIDERATIONS</b>	Clean up and dispose of waste in accordance with all federal, state, and local environmental regulations.
<b>DISPOSAL of EMPTY CONTAINERS</b>	Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.

RCRA COMPONENT	CASRN	DATA
No limits established for this product.		

## SECTION 14: TRANSPORT INFORMATION

	US DOT	IATA	IMDG
<b>UN NUMBER</b>	Not applicable	Not applicable	Not applicable
<b>UN PROPER SHIPPING NAME</b>	Non-hazardous material	Non-hazardous material	Non-hazardous material
<b>TRANSPORT HAZARD CLASS(ES)</b>	Not applicable	Not applicable	Not applicable
<b>PACKING GROUP</b>	Not applicable	Not applicable	Not applicable
<b>REPORTABLE QUANTITY (RQ)</b>	No reportable quantity for this product		
<b>EMERGENCY RESPONSE GUIDEBOOK (ERG) REFERENCE</b>	Not applicable		
<b>MARINE POLLUTANT</b>	None		

## SECTION 15: REGULATORY INFORMATION

<b>TOXIC SUBSTANCES CONTROL ACT (TSCA)</b>	This product is listed on the U.S. EPA TSCA Inventory.
<b>EXPORT NOTIFICATIONS</b>	This product is not subject to TSCA 12B Export Notification requirements.
<b>SIGNIFICANT NEW USE RULE (SNUR)</b>	This material is not subject to a Significant New Use Rule under the US Toxic Substances Control Act.

**INTERNATIONAL CHEMICAL INVENTORIES**

All of the components of this product are listed on the following inventories:

<b>DSL</b>	Canada	Yes
<b>NDSL</b>	Canada	No
<b>ENCS</b>	Japan	Yes
<b>EINECS</b>	Europe	Yes
<b>ELINCS</b>	Europe	No
<b>IECSC</b>	China	Yes
<b>PICCS</b>	Philippines	Yes
<b>ECL</b>	Korea	Yes
<b>AICS</b>	Australia	Yes

**EMERGENCY PLANNING and COMMUNITY RIGHT TO KNOW ACT (EPCRA)****40 CFR PART 355, APPENDIX A**

<b>EHS COMPONENTS</b>	<b>CASRN</b>	<b>PERCENT</b>	<b>TPQ POUNDS and RQ</b>
No limits established for this product.			

<b>313 COMPONENTS</b>	<b>CASRN</b>	<b>PERCENT</b>	<b>REPORTING LIMIT</b>
No limits established for this product.			

<b>CERCLA/SARA COMPONENTS</b>	<b>CASRN</b>	<b>PERCENT</b>	<b>REPORTING LIMIT</b>
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<b>EPCRA SECTION 311/312 CLASSIFICATION</b>	<b>ACUTE</b>	Yes
	<b>CHRONIC</b>	No
	<b>FIRE</b>	No
	<b>PRESSURE</b>	No
	<b>REACTIVE</b>	No

**OTHER FEDERAL REGULATIONS**

The following components are identified under the Clean Air Act HON-Rule for SOCM chemicals:

<b>COMPONENT NAME</b>	<b>CASRN</b>
Glycerol	56-81-5

The following components are identified under the Clean Air Act (VOCs in SOCM chemicals):

<b>COMPONENT NAME</b>	<b>CASRN</b>
Glycerol	56-81-5

The following components are identified under the Clean Air Act as Hazardous Air Pollutants (HAP)

COMPONENT NAME	CASRN
No regulated components	

The following components are identified under the Clean Air Act HON-Rule Hazardous Air Pollutants (HAP)

COMPONENT NAME	CASRN
No regulated components	

The following components are identified under the Clean Water Act:

COMPONENT NAME	CASRN	LIST NAME
No limits established for this product.		

#### STATE RIGHT-TO-KNOW INFORMATION:

COMPONENT NAME	CASRN	STATE	List Name
Glycerin	56-81-5	Massachusetts	Right-to-Know List
Glycerin	56-81-5	New Jersey	Right-to-Know List
1,2,3-Propanetriol	56-81-5	Pennsylvania	Right-to-Know List

If the STATE RIGHT-TO-KNOW INFORMATION table above is empty than none of the components of this product are included on the state right-to-know regulatory lists for California, Florida, Massachusetts, Michigan, Pennsylvania, or New Jersey.

## SECTION 16: OTHER INFORMATION

To the best of the manufacturer's knowledge, the information contained herein is accurate. However, neither the manufacturer, nor any of its affiliates, make any representations or warranties (expressed or implied), nor assumes any liability (including liability for any direct, incidental, consequential, or other damages) with respect to the accuracy or completeness of the information contained herein. Such information may be (without limitation) invalid if the specified material is used in combination with another, in a particular process, or under unusual conditions. Determination of suitability of any material for any given purpose is the sole responsibility of the user who assumes all risk and responsibility therefore. All materials may present unknown hazards and should be used with appropriate caution. The manufacturer cannot and does not guarantee that the hazards described herein are the only ones that exist.

<b>SDS GENERATED BY</b>	HAZEMS
<b>SDS VERSION DATE</b>	12/14/2015 6:05:51 PM

**SDS APPROVED BY**

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**MANUFACTURER(S)**

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BARBERA DEL VALLES  
Barcelona, Spain 08210

**NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) HAZARD RATINGS**

HEALTH	3
FLAMMABILITY	1
REACTIVITY	0

**Hazardous Material Identification System (HMIS) Hazard Ratings**

HEALTH	3
FLAMMABILITY	1
REACTIVITY	0
PERSONAL PROTECTION	D

The following components of this product are listed on the Canadian WHMIS Ingredient Disclosure List (IDL):

COMPONENT	CASRN	PERCENT	MINIMUM CONCENTRATION
Ethoxylated lauryl alcohol	9002-92-0	Confidential	1 %

**END OF DOCUMENT**