

### SAFETY DATA SHEET

LUMOROL K 5229.

#### Section 1. Identification

**GHS** product identifier : LUMOROL K 5229. **Chemical name** : Not available.

#### Relevant identified uses of the substance or mixture and uses advised against

#### **Identified uses**

Formulation or re-packing

Manufacture Surfactant

Supplier's details : YellowBee Packaging and Supplies Inc

#106 2880 107 Ave SE Calgary AB

T2Z3R7 Canada

**Emergency telephone** number (with hours of

operation)

: +49 (0)2621 12-0 (24/7)

#### Section 2. Hazards identification

**OSHA/HCS** status : This material is considered hazardous by the OSHA Hazard Communication Standard

(29 CFR 1910.1200).

Classification of the

substance or mixture

: SKIN IRRITATION - Category 2

SERIOUS EYE DAMAGE - Category 1

#### **GHS label elements**

**Hazard pictograms** 



Signal word : Danger

**Hazard statements** : H315 - Causes skin irritation.

H318 - Causes serious eye damage.

**Precautionary statements** 

**Prevention** : 1280 - Wear protective gloves: > 8 hours (breakthrough time): polyvinyl chloride (PVC).

Wear eye or face protection.

P264 - Wash thoroughly after handling.

: P362 + P364 - Take off contaminated clothing and wash it before reuse. Response

P302 + P352 - IF ON SKIN: Wash with plenty of water.

P332 + P313 - If skin irritation occurs: Get medical advice or attention.

P305 + P351 + P338, P310 - 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.

**Storage** : Not applicable. **Disposal** : Not applicable. Hazards not otherwise : None known.

classified

Date of issue/Date of revision : 3/24/2021 Date of previous issue : 12/11/2019 Version: 1.03 1/12 LUMOROL K 5229.

### Section 3. Composition/information on ingredients

Substance/mixture : Mixture

Ingredient name	%	CAS number
Mcohols, C12-14, ethoxylated 2-Propanol, 1-amino-, compds. with polyethylene glycol hydrogen sulfate C12-14-alkyl ethers	≥25 - ≤50 ≥25 - ≤50	68439-50-9 1187742-72-8

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

#### Section 4. First aid measures

#### **Description of necessary first aid measures**

**Eve contact** 

: Get medical attention immediately. Call a poison center or physician. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician.

Inhalation

: Get medical attention immediately. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

Skin contact

: Get medical attention immediately. Call a poison center or physician. Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Ingestion

: Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

#### Most important symptoms/effects, acute and delayed

#### Potential acute health effects

**Eye contact** : Causes serious eye damage.

**Inhalation**: No known significant effects or critical hazards.

Skin contact : Causes skin irritation.

**Ingestion**: No known significant effects or critical hazards.

#### **Over-exposure signs/symptoms**

**Eye contact**: Adverse symptoms may include the following:

pain watering redness

Inhalation : No specific data.

Date of issue/Date of revision: 3/24/2021Date of previous issue: 12/11/2019Version : 1.032/12

#### Section 4. First aid measures

Skin contact : Adverse symptoms may include the following:

pain or irritation

redness

blistering may occur

Ingestion : Adverse symptoms may include the following:

stomach pains

#### Indication of immediate medical attention and special treatment needed, if necessary

: In case of inhalation of decomposition products in a fire, symptoms may be delayed. Notes to physician

The exposed person may need to be kept under medical surveillance for 48 hours.

: No specific treatment. Specific treatments

**Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or

self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water

before removing it, or wear gloves.

#### See toxicological information (Section 11)

### Section 5. Fire-fighting measures

#### **Extinguishing media**

Suitable extinguishing

media

**Unsuitable extinguishing** 

media

: Use an extinguishing agent suitable for the surrounding fire.

: None known.

Specific hazards arising from the chemical

**Hazardous thermal** decomposition products : In a fire or if heated, a pressure increase will occur and the container may burst.

: Decomposition products may include the following materials: carbon dioxide

carbon monoxide nitrogen oxides

**Special protective actions** for fire-fighters

: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

**Special protective** equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

#### Section 6. Accidental release measures

#### Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders: If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For nonemergency personnel".

**Environmental precautions** 

: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

#### Methods and materials for containment and cleaning up

Date of issue/Date of revision : 3/24/2021 Date of previous issue : 12/11/2019 Version: 1.03 3/12

### Section 6. Accidental release measures

#### Small spill

: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

#### Large spill

: Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

### Section 7. Handling and storage

#### Precautions for safe handling

#### **Protective measures**

: Put on appropriate personal protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

# Advice on general occupational hygiene

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

# Conditions for safe storage, including any incompatibilities

: Do not store above the following temperature: 30°C (86°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

### Section 8. Exposure controls/personal protection

#### **Control parameters**

#### Occupational exposure limits

Ingredient name	Exposure limits
Mcohols, C12-14, ethoxylated 2-Propanol, 1-amino-, compds. with polyethylene glycol hydrogen sulfate C12-14-alkyl ethers	None.

## Appropriate engineering controls

: If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

# **Environmental exposure** controls

: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

#### **Individual protection measures**

Date of issue/Date of revision : 3/24/2021 Date of previous issue : 12/11/2019 Version : 1.03 4/12

### Section 8. Exposure controls/personal protection

#### **Hygiene measures**

: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.

Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

#### **Eye/face protection**

: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles and/ or face shield. If inhalation hazards exist, a full-face respirator may be required instead.

#### Skin protection

**Hand protection** 

: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. > 8 hours (breakthrough time): polyvinyl chloride (PVC)

**Body protection** 

: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection

: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Respiratory protection** 

: Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

### Section 9. Physical and chemical properties

#### **Appearance**

Physical state : Liquid.

Color : Yellow. [Light]
Odor : Characteristic.
Odor threshold : Not available.

**pH** : 6.5 [Conc. (% w/w): 10%]

Melting point : 10°C (50°F)

Boiling point : >100°C (>212°F)

Flash point : Closed cup: >100°C (>212°F)

Evaporation rate : Not available.
Flammability (solid, gas) : Not available.
Lower and upper explosive : Not available.

(flammable) limits

**Vapor pressure** : 0.5 kPa (3.75 mm Hg) [room temperature]

**Vapor density** : Not available. **Density** : 1 g/cm³ [20°C]

**Solubility** : Soluble in the following materials: cold water.

Solubility in water : Not available.

Partition coefficient: n- : Not applicable.

octanol/water

Auto-ignition temperature : Not available.

Decomposition temperature : Not available.

Viscosity : Dynamic (room temperature): 500 mPa·s (500 cP)

Date of issue/Date of revision : 3/24/2021 Date of previous issue : 12/11/2019 Version : 1.03 5/12

LUMOROL K 5229.

### Section 9. Physical and chemical properties

Flow time (ISO 2431) : Not available.

### Section 10. Stability and reactivity

**Reactivity**: No specific test data related to reactivity available for this product or its ingredients.

**Chemical stability**: The product is stable.

Possibility of hazardous reactions

: Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid : No specific data.

Incompatible materials : No specific data.

Hazardous decomposition products

: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

### **Section 11. Toxicological information**

#### Information on toxicological effects

#### **Acute toxicity**

Product/ingredient name	Result	Species	Dose	Exposure
, ,	LD50 Oral LD50 Dermal	· · · · · · · · · · · · · · · · · · ·	>2000 mg/kg >2000 mg/kg	-
compds. with polyethylene glycol hydrogen sulfate C12-14-alkyl ethers		Female		
O12-14-ankyr curers	LD50 Oral	Rat - Male, Female	2870 mg/kg	-

#### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Cohols, C12-14, ethoxylated	Skin - Erythema/Eschar Eyes - Irritant	Rabbit Rabbit	<1.5	-	-
2-Propanol, 1-amino-,	Skin - Irritant	Rabbit	-	-	-
compds. with polyethylene glycol hydrogen sulfate C12-14-alkyl ethers					
	Eyes - Irritant	Rabbit	-	-	-

#### **Sensitization**

Product/ingredient name	Route of exposure	Species	Result
∠Propanol, 1-amino-, compds. with polyethylene glycol hydrogen sulfate C12-14-alkyl ethers	skin	Guinea pig	Not sensitizing

#### **Mutagenicity**

Date of issue/Date of revision : 3/24/2021 Date of previous issue : 12/11/2019 Version : 1.03 6/12

### Section 11. Toxicological information

Product/ingredient name	Test	Experiment	Result
∠Propanol, 1-amino-, compds. with polyethylene glycol hydrogen sulfate C12-14-alkyl ethers	OECD 471 Bacterial Reverse Mutation Test	Experiment: In vitro Subject: Bacteria	Negative
	OECD 476 <i>In vitro</i> Mammalian Cell Gene Mutation Test	Experiment: In vitro Subject: Mammalian-Animal	Negative
	OECD 475 Mammalian Bone Marrow Chromosomal Aberration Test	Experiment: In vivo Subject: Mammalian-Animal	Negative

#### Carcinogenicity

Not available.

#### Reproductive toxicity

Product/ingredient name	Maternal toxicity	Fertility	Development toxin	Species	Dose	Exposure
∠Propanol, 1-amino-, compds. with polyethylene glycol hydrogen sulfate C12-14-alkyl ethers	Negative	Negative	Negative	Rat - Male, Female	Oral: 300 mg/kg	-

#### **Teratogenicity**

Product/ingredient name	Result	Species	Dose	Exposure
Z-Propanol, 1-amino-, compds. with polyethylene glycol hydrogen sulfate C12-14-alkyl ethers	Negative - Oral	Rat	1000 mg/kg	7 days per week

#### Specific target organ toxicity (single exposure)

Not available.

#### Specific target organ toxicity (repeated exposure)

Not available.

#### **Aspiration hazard**

Not available.

Information on the likely

routes of exposure

: Not available.

#### Potential acute health effects

**Eye contact** : Causes serious eye damage.

**Inhalation** : No known significant effects or critical hazards.

**Skin contact**: Causes skin irritation.

**Ingestion** : No known significant effects or critical hazards.

#### Symptoms related to the physical, chemical and toxicological characteristics

**Eye contact**: Adverse symptoms may include the following:

pain watering redness

Inhalation : No specific data.

**Skin contact**: Adverse symptoms may include the following:

pain or irritation

redness

blistering may occur

Date of issue/Date of revision : 3/24/2021 Date of previous issue : 12/11/2019 Version : 1.03 7/12

### Section 11. Toxicological information

Ingestion : Adverse symptoms may include the following:

stomach pains

#### Delayed and immediate effects and also chronic effects from short and long term exposure

**Short term exposure** 

**Potential immediate** 

: Not available.

effects

Potential delayed effects

: Not available.

Long term exposure

**Potential immediate** 

: Not available.

effects

Potential delayed effects

: Not available.

#### Potential chronic health effects

Product/ingredient name	Result	Species	Dose	Exposure
∠Propanol, 1-amino-, compds. with polyethylene glycol hydrogen sulfate C12-14-alkyl ethers	Sub-chronic NOAEL Oral	Rat - Male, Female	>225 mg/kg	90 days; 7 days per week
	Sub-chronic NOEL Dermal	Mouse - Male, Female	≥195 mg/kg Systemic	91 days; 5 days per week

**General** : No known significant effects or critical hazards. : No known significant effects or critical hazards. Carcinogenicity **Mutagenicity** : No known significant effects or critical hazards. **Reproductive toxicity** : No known significant effects or critical hazards.

#### **Numerical measures of toxicity**

#### **Acute toxicity estimates**

Product/ingredient name	Oral (mg/ kg)	Dermal (mg/kg)	(gases)	Inhalation (vapors) (mg/l)	Inhalation (dusts and mists) (mg/ I)
UMOROL K 5229. 2-Propanol, 1-amino-, compds. with polyethylene	6280.1 2870	N/A N/A	N/A N/A	N/A N/A	N/A N/A
glycol hydrogen sulfate C12-14-alkyl ethers	2010	IN/A	IN/A	IN/A	IN/A

### Section 12. Ecological information

#### **Toxicity**

Product/ingredient name	Result	Species	Exposure
Atcohols, C12-14, ethoxylated	Acute EC50 0.1 to 1 mg/l	Algae	72 hours
	Acute EC50 0.1 to 1 mg/l	Daphnia	48 hours
	Acute LC50 0.1 to 1 mg/l	Fish	96 hours
	Chronic NOEC 0.1 to 1 mg/l	Algae	-
2-Propanol, 1-amino-, compds. with polyethylene glycol hydrogen sulfate C12-14-alkyl ethers	Acute EC10 >10000 mg/l Fresh water	Micro-organism - Pseudomonas putida	16 hours
,	Acute EC50 14 mg/l Fresh water	Algae - Scenedesmus subspicatus	72 hours
	Acute EC50 7.7 mg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 7.7 mg/l Fresh water	Fish - Danio rerio	96 hours
	Chronic NOEC 0.27 mg/l Fresh water	Daphnia - Daphnia magna	21 days
	Chronic NOEC 0.14 mg/l Fresh water	Fish - Oncorhynchus mykiss	28 days

Date of issue/Date of revision : 3/24/2021 : 12/11/2019 Version: 1.03 8/12 Date of previous issue

### Section 12. Ecological information

#### Persistence and degradability

Product/ingredient name	Test	Result		Dose	Inoculum
2-Propanol, 1-amino-, compds. with polyethylene glycol hydrogen sulfate C12-14-alkyl ethers	OECD 301D Ready Biodegradability - Closed Bottle Test OECD 301B Ready Biodegradability - CO <sub>2</sub> Evolution Test	>60 % - 14 days		-	-
Product/ingredient name	Aquatic half-life		Photolysis	•	Biodegradability
Acohols, C12-14, ethoxylated 2-Propanol, 1-amino-, compds. with polyethylene glycol hydrogen sulfate C12-14-alkyl ethers	-		-		Readily Readily

#### **Bioaccumulative potential**

Product/ingredient name	LogPow	BCF	Potential
<b>2</b> -Propanol, 1-amino-, compds. with polyethylene	1	-	low
glycol hydrogen sulfate C12-14-alkyl ethers			

#### **Mobility in soil**

Soil/water partition coefficient (Koc)

: Not available.

Other adverse effects

: No known significant effects or critical hazards.

### Section 13. Disposal considerations

#### Disposal methods

: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

### Section 14. Transport information

Date of issue/Date of revision: 3/24/2021Date of previous issue: 12/11/2019Version : 1.039/12

### Section 14. Transport information

	DOT Classification	TDG Classification	Mexico Classification	IMDG	IATA
UN number	UN3082	UN3082	UN3082	UN3082	UN3082
UN proper shipping name	Environmentally hazardous substance, liquid, n.o.s.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Alcohols, C12-14, ethoxylated)	SUBSTANCIA LIQUIDA POTENCIALMENTE PELIGROSA PARA EL MEDIO AMBIENTE, N.E. P. (Alcohols, C12-14, ethoxylated)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Alcohols, C12-14, ethoxylated)	Environmentally hazardous substance, liquid, n.o.s. (Alcohols, C12-14, ethoxylated)
Transport hazard class(es)	9	9	9	9	9
Packing group	III	III	III	III	III
Environmental hazards	Yes.	Yes.	Yes.	Yes.	Yes.

#### **Additional information**

**DOT Classification** 

: Non-bulk packages of this product are not regulated as hazardous materials unless transported by inland waterway. This product is not regulated as a hazardous material when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of §§ 173.24 and 173.24a.

Limited quantity Yes.

Packaging instruction Exceptions: 155. Non-bulk: 203. Bulk: 241.

**Special provisions** 8, 146, 173, 335, IB3, T4, TP1, TP29

**TDG Classification**: Product classified as per the following sections of the Transportation of Dangerous

Goods Regulations: 2.43-2.45 (Class 9), 2.7 (Marine pollutant mark).

Non-bulk packages of this product are not regulated as dangerous goods when

transported by road or rail.

**Explosive Limit and Limited Quantity Index** 5

Special provisions 16, 99

**Mexico Classification** 

: The environmentally hazardous substance mark is not required when transported in sizes of ≤5 L or ≤5 kg.

Special provisions 274, 331, 335

**IMDG** 

: This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.

Emergency schedules F-A, S-F Special provisions 274, 335, 969

**IATA** 

: This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 5.0.2.4.1, 5.0.2.6.1.1 and 5.0.2.8.

**Quantity limitation** Passenger and Cargo Aircraft: 450 L. Packaging instructions: 964. Cargo Aircraft Only: 450 L. Packaging instructions: 964. Limited Quantities - Passenger Aircraft: 30 kg. Packaging instructions: Y964.

Special provisions A97, A158, A197

#### Special precautions for user

: **Transport within user's premises**: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Date of issue/Date of revision : 3/24/2021 Date of previous issue : 12/11/2019 Version : 1.03 10/12

### **Section 14. Transport information**

Transport in bulk according: Not available.

to IMO instruments

### Section 15. Regulatory information

U.S. Federal regulations : TSCA 8(a) CDR Exempt/Partial exemption: Not determined

Clean Air Act Section 112

(b) Hazardous Air Pollutants (HAPs)

: Not listed

: Not listed

**Class I Substances** 

Clean Air Act Section 602

**Clean Air Act Section 602** 

: Not listed

Class II Substances

**DEA List I Chemicals** 

: Not listed

(Precursor Chemicals)

**DEA List II Chemicals** 

: Not listed

(Essential Chemicals)

#### **SARA 302/304**

#### **Composition/information on ingredients**

No products were found.

SARA 304 RQ : Not applicable.

**SARA 311/312** 

Classification : SKIN IRRITATION - Category 2

SERIOUS EYE DAMAGE - Category 1

#### **Composition/information on ingredients**

Name	%	Classification
Acohols, C12-14, ethoxylated 2-Propanol, 1-amino-, compds. with polyethylene glycol hydrogen sulfate C12-14-alkyl ethers	≥25 - ≤50	EYE IRRITATION - Category 2A SKIN IRRITATION - Category 2 SERIOUS EYE DAMAGE - Category 1

#### **State regulations**

Massachusetts: None of the components are listed.New York: None of the components are listed.

New Jersey : The following components are listed: PROPYLENE GLYCOL; 1,2-PROPANEDIOL

Pennsylvania: The following components are listed: 1,2-PROPANEDIOL

California Prop. 65

This product does not require a Safe Harbor warning under California Prop. 65.

#### International regulations

#### Chemical Weapon Convention List Schedules I. II & III Chemicals

Not listed.

#### **Montreal Protocol**

Not listed.

#### **Stockholm Convention on Persistent Organic Pollutants**

Not listed.

#### **Rotterdam Convention on Prior Informed Consent (PIC)**

Not listed.

#### **UNECE Aarhus Protocol on POPs and Heavy Metals**

Date of issue/Date of revision : 3/24/2021 Date of previous issue : 12/11/2019 Version : 1.03 11/12

LUMOROL K 5229.

### Section 15. Regulatory information

#### Section 16. Other information

#### Hazardous Material Information System (U.S.A.)



Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

#### **National Fire Protection Association (U.S.A.)**



#### Procedure used to derive the classification

Classification	Justification
, ,	Calculation method Calculation method

#### **History**

**Date of printing** : 3/24/2021 Date of issue/Date of 3/24/2021

revision

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**Version** : 1.03

Key to abbreviations : ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL = International Convention for the Prevention of Pollution From Ships, 1973

as modified by the Protocol of 1978. ("Marpol" = marine pollution)

N/A = Not availableSGG = Segregation Group **UN = United Nations** 

References : Not available.

Indicates information that has changed from previously issued version.

#### **Notice to reader**

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Date of issue/Date of revision : 3/24/2021 Date of previous issue : 12/11/2019 Version: 1.03 12/12