John R Hess & Company, Inc.

KOVKLEEN™ ADDITIVE Z

Section 1. Identification

Product Identifier	**KOVKLEEN ADDITIVE Z**
General Use	Cleaning Agent
Physical Description	
Manufacturer/Importer/Supplier/Distributor Information	
Company Name	John R Hess & Company, Inc.
Address	400 Station St Cranston, RI 02910 USA
Telephone	(401) 785-9300 (800) 556-4377
E-mail	custerv@jrhess.com
Emergency Phone Numbers	Infotrac 1-800-535-5053 (Spill, Leak, Fire, Exposure, Accident) +1 (352) 323-3500 (Outside North America)

Section 2 Hazards Identification

Classification of the substance or mixture:

GHS classification

Acute toxicity	Oral	Category 4
Serious Eye Damage		Category 1

GHS label elements

Hazard pictograms/symbols

Signal Word: Danger

Hazard Statements:

H302: Harmful if swallowed.
H318: Causes serious eye damage.

Precautionary Statements:

Prevention	P264: Wash hands thoroughly after handling P270: Do not eat, drink or smoke when using this product. P273: Avoid release into the environment. P280: Wear eye protection/face protection.
Response	P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and

	easy to do. Continue rinsing. P310: Immediately call a POISON CENTRE or doctor/physician. P330: Rinse mouth.
Disposal	P501: Disposal of contents/container to be specified in accordance with regulations.
Hazards not otherwise classified	Severe eye irritant. Moderate skin irritant. Risk of serious damage to eyes.

Section 3. Composition/Information on Ingredients

Components	CAS Number	Concentration (Weight)
Poly(oxy-1,2-ethanediyl), a-undecyl-w-hydroxy-	34398-01-1	100 %

CHEMICAL FAMILY: Alcohol Ethoxylate

Section 4. First Aid Measures

General Advice	Seek medical advice. If breathing has stopped or is labored, give assisted respirations. Supplemental oxygen may be indicated. If the heart has stopped, trained personnel should begin cardiopulmonary resuscitation immediately.
Inhalation	Move to fresh air.
Skin Contact	Wash off immediately with plenty of water for at least 20 minutes. Immediately remove contaminated clothing, and any extraneous chemical, if possible to do so without delay.
Eye Contact	Flush eyes immediately with plenty of water, also under the eyelids, for at least 20 minutes. Keep eye wide open while rinsing. Do not rub affected area. Remove contact lenses if present and easy to do so. Continue rinsing. Chemical burns must be treated promptly by a physician.
Ingestion	Never give anything by mouth to an unconscious person. Prevent aspiration of vomit. Turn victim's head to the side.
Most important	Eye disease. Skin disorders and Allergies.

Section 5. Fire-Fighting Measures

Suitable extinguishing media	Alcohol-resistant foam. Carbon dioxide (CO2). Dry chemical. Dry sand. Limestone powder
Specific hazards	Incomplete combustion may form carbon monoxide. Burning produces noxious and toxic fumes. Downwind personnel must be evacuated.
Special protective equipment for fire-fighters	Use personal protective equipment. Wear self-contained breathing apparatus for fire-fighting if necessary.

Section 6. Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures	Wear suitable protective clothing, gloves and eye/face protection. Use self-contained breathing apparatus and chemically protective clothing. Evacuate personnel to safe areas.
Environmental precautions	Construct a dike to prevent spreading. Construct a dike to prevent spreading.

Methods for cleaning up	Contact Air Products' Emergency Response Center for advice. Approach suspected leak areas with caution. Place in appropriate chemical waste container.
Additional advice	If possible, stop flow of product.

Section 7. Handling and Storage

Handling	Emergency showers and eye wash stations should be readily accessible. Adhere to work practice rules established by government regulations. Avoid contact with eyes. Use personal protective equipment. When using, do not eat, drink or smoke.
Storage	Keep containers tightly closed in a dry, cool and well-ventilated place.

Section 8. Exposure Controls/Personal Protection

Engineering measures	Provide readily accessible eye wash stations and safety showers. Provide natural or explosion-proof ventilation adequate to ensure concentrations are kept below exposure limits

Personal protective equipment:

Respiratory protection	Not required for properly ventilated areas.
Hand protection	Nitrile rubber. Impervious gloves. 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.
Eye protection	Chemical resistant goggles must be worn.
Skin and body protection	Long sleeve shirts and trousers without cuffs.
Environmental exposure controls	Construct a dike to prevent spreading.
Special instructions for protection and hygiene	Provide readily accessible eye wash stations and safety showers. Wash hands at the end of each work-shift and before eating, smoking or using the toilet. Provide readily accessible eye wash stations and safety showers.

Section 9. Physical and Chemical Properties

Appearance	Liquid, Colorless
Odor	Mild
Odor Threshold	No data available
pH	No data available
Melting point/range	39°F (4 °C)
Boiling point/range	> 572 °F (> 300 °C)
Flash point	302 °F (150 °C)
Evaporation rate	No data available
Flammability (solid, gas)	Not applicable
Upper/lower explosion/flammability limit	Not applicable
Vapor pressure	0.05 mmHg
Water solubility	9.4 g/l
Relative vapor density	Not applicable
Relative density	0.966
Partition coefficient (n octanol/water)	No data available

Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	18 mPa.s at 100 °F (38 °C)
Molecular weight	No data available

Section 10. Stability and Reactivity

Chemical Stability	Stable under normal conditions
Conditions to avoid	No data available
Materials to avoid	Oxidizing agents
Hazardous decomposition products	Carbon monoxide Carbon dioxide (CO2)
Possibility of hazardous Reactions/Reactivity	No data available

Section 11. Toxicological Information

Information on toxicological effects

Likely routes of exposure	
Effects on Eye	Sever eye irritation
Effects on Skin	Causes skin irritation
Inhalation Effects	No data available
Ingestion Effects	No data available
Symptoms	No data available
Acute Toxicity	
Acute Oral Toxicity	No data is available on the product itself
Acute Oral Toxicity for Components:	
Poly(oxy-1,2-ethanediyl), a-undecyl-w- hydroxy	LD50 : 1,000 - 2,000 mg/kg Species : Rat.
Inhalation	No data is available on the product itself
Acute Dermal Toxicity	LD50 : > 2,000 mg/kg Species : Rabbit.
Skin corrosion/irritation	Moderate skin irritation
Serious eye damage/eye irritation	Severe eye irritation
Sensitization	No data available
Chronic toxicity or effects from long term exposures:	
Carcinogenicity	No data available
Reproductive toxicity	No data is available on the product itself
Germ cell mutagenicity	No data is available on the product itself
Specific target organ systemic toxicity (single exposure)	No data available
Specific target organ systemic toxicity (repeated exposure)	No data available

Delayed and Immediate Effects and Chronic Effects from Short and Long Term Exposure:
This product contains no listed carcinogens according to IARC, ACGIH, NTP and/or OSHA in concentrations of 0.1 percent or greater. Eye disease., Skin disorders and Allergies.

Section 12. Ecological Information

Ecotoxicity effects

Aquatic toxicity
Toxicity to fish - Components Poly(oxy-1,2-ethanediyl), a- undecyl-w- hydroxy-
Toxicity to daphnia - Components
Poly(oxy-1,2-ethanediyl), a- undecyl-w- hydroxy-

Toxicity to algae - Components Poly(oxy-1,2-ethanediyl), a- undecyl-w- hydroxy-

No data is available on the product itself

LC50 (96 h): 1 - 10 mg/l
Species: Fathead minnow (Pimephales promelas)

EC50 (48 h): 1 - 10 mg/l
Species: Daphnia magna

EC50 (96 h): 1 - 10 mg/l
Species : Algae

Toxicity to other organisms	No data available

Persistence and degradability:

Biodegradability	Readily biodegradable, as defined by OECD, substance that degrades > 60- 70% within a 10-day window over 28 days
Mobility	No data available
Bioaccumulation	No data is available on the product itself.

Section 13. Disposal Considerations

Waste from residue/unused products	Contact supplier if guidance is required
Contaminated packaging	Dispose of container and unused contents in accordance with federal, state, and local requirements

Section 14. Transport Information

DOT	Not dangerous goods
IATA	Not dangerous goods
IMDG	Not dangerous goods
TDG	Not dangerous goods

Further Information
Not classified as dangerous in the meaning of transport regulations. The transportation information is not intended to convey all specific regulatory data relating to this material. For complete transportation information, contact an Air Products customer service representative.

Section 15. Regulatory Information

Toxic Substance Control Act (TSCA) 12(b) Component(s):
None

EPA SARA Title III Section 312 (40 CFR 370) Hazard Classification

Acute Health Hazard

EPA SARA Title III Section 313 (40 CFR 372) Component(s) above 'de minimus' level

None

US. California Safe Drinking Water & Toxic Enforcement Act (Proposition 65)

This product does not contain any chemicals known to State of California to cause cancer, birth defects or any other harm.

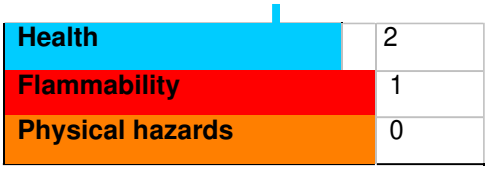
This product meets the criteria of the US EPA Design for Environment (DFE) Surfactant screen and is listed on CleanGredients.

WHMIS Classification: D2B

WHMIS Ratings:

Compressed Gas: No	Flammable/Combustible: No	Oxidizer: No	Acutely Toxic: No
Other Toxic Effects: Yes	Bio Hazardous: No	Corrosive: No	Dangerously Reactive: No

Hazardous Material Information System (USA)



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 are not required on SDSs 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 mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.
The customer is responsible for determining the PPE code for this material.

Section 16. Other Information

Prepared By:	HSE Department
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