



## KOVKLEEN™ UC III MEMBRANE CLEANER

### Section 1. Identification

**GHS product identifier** : KOVKLEEN UC III  
**Product type** : Liquid.  
**Material uses** : Surfactant.  
**Supplier's details** : John R. Hess & Co., Inc.  
400 Station St.  
Cranston, RI 02910

Technical Information: (401) 785-9300, (800) 556-4377  
E-mail: [custerv@jrhess.com](mailto: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

**OSHA/HCS status** : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

#### Classification of the substance or mixture

##### GHS label elements

: SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2B

AQUATIC HAZARD (ACUTE) - Category 2

AQUATIC HAZARD (LONG-TERM) - Category 2

##### **Hazard pictograms**

:



**Signal word** : Warning

**Hazard statements** : Causes eye irritation.  
Toxic to aquatic life with long lasting effects.

**Precautionary statements** : Wear eye or face protection. Avoid release to the environment. Wash hands thoroughly after handling. Collect spillage. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention. Dispose of contents and container in accordance with all local, regional, national and international regulations.

Other hazards which do not result in classification: None known.

### Section 3. Composition/information on ingredients

**Substance/mixture** : Mixture

| Ingredient name          | %        | CAS number  |
|--------------------------|----------|-------------|
| Nonylphenol, ethoxylated | 60 - 100 | 127087-87-0 |

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

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

## Section 4. First aid measures

### Description of necessary first aid measures-

**Eye contact** : 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. If irritation persists, get medical attention.

**Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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. Get medical attention if adverse health effects persist or are severe. 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.

**Skin contact** : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.

**Ingestion** : 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. Get medical attention if adverse health effects persist or are severe. 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 eye irritation.

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

**Skin contact** : No known significant effects or critical hazards.

**Ingestion** : Maybe irritating to mouth, throat and stomach.

### Over-exposure signs/symptoms

**Eye contact** : Adverse symptoms may include the following:  
irritation  
watering  
redness

**Inhalation** : No specific data.

**Skin contact** : No specific data.

**Ingestion** : No specific data.

## Section 4. First aid measures

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

**Notes to physician** : No specific treatment. Treat symptomatically. Call medical doctor or poison control center immediately if large quantities have been ingested.

**Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

See toxicological information (Section 11)

## Section 5. Fire-fighting measures

**Flash point** : Closed cup: 237.78°C (460°F) [DIN 51758 EN 22719 (Pensky-Martens Closed Cup)]

### **Extinguishing media**

**Suitable extinguishing media:** Use an extinguishing agent suitable for the surrounding fire.

**Unsuitable extinguishing media:** None known.

Specific hazards arising from the chemical: In a fire or if heated, a pressure increase will occur and the container may burst.

This material is toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

**Hazardous thermal decomposition products:** Decomposition products may include the following materials:

carbon dioxide

Carbon monoxide

**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. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

**For emergency responders** : If specialised 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 non-emergency 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). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.

## **Section 6. Accidental release measures**

### **Methods and materials for**

**containment and cleaning up:** 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 ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Avoid

release to the environment. 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**

: 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. 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.

## **Section 8. Exposure controls/personal protection**

### **Control parameters**

**Appropriate engineering controls:** Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

**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**

#### **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.

## **Section 8. Exposure controls/personal protection**

**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.

**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.

**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** : Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

**Thermal hazards** : Not available.

## Section 9. Physical and chemical properties

### Appearance

Physical state : Liquid.

Color: Pale color.

**Odor:** Slight

**Odor threshold** : Not available.

**pH:** 6.5 to 7.5

**Melting point/Freezingpoint** : 5°C (41°F)

**Boiling/condensation point** : Not available.

**Flash point:** Closed cup: 237.78°C (460°F) [DIN 51758 EN 22719 (Pensky-Martens Closed Cup)]

**Evaporation rate** : Not available.

**Flammability (solid, gas)** : Not available.

**Lower and upper explosive (flammable) limits:** Not available.

**Vapor pressure** : Not available.

**Vapor density:** Not available.

**Relative density** : 1.06

**Solubility in water** : Soluble

**Partition coefficient: n-octanol/water:** Not available.

**Auto-ignition temperature:** Not available.

**Decomposition temperature** : Not available.

**Viscosity** : Kinematic (room temperature): 1.12 cm<sup>2</sup>/s (112 cSt)

## 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 | Test | Endpoint | Species | Result |
|-------------------------|------|----------|---------|--------|
|-------------------------|------|----------|---------|--------|

|                          |   |             |                          |             |
|--------------------------|---|-------------|--------------------------|-------------|
| Nonylphenol, ethoxylated | - | LD50 Dermal | Rabbit - Male,<br>Female | >3000 mg/kg |
|                          | - | LD50 Oral   | Rat - Male,<br>Female    | 3314 mg/kg  |

### **Irritation/Corrosion**

| Product/ingredient name  | Test   | Species          | Result                                       |
|--------------------------|--------|------------------|--|
| Nonylphenol, ethoxylated | -<br>- | Rabbit<br>Rabbit | Skin - Mild irritant<br>Eyes - Mild irritant |

### **Conclusion/Summary**

**Skin** : Nonylphenol, ethoxylated Slightly irritating to the skin.

**Eyes** : Nonylphenol, ethoxylated Slightly irritating to the eyes.

### **Sensitization**

Not available.

### **Mutagenicity**

| Product/ingredient name  | Test  | Result   |
|--------------------------|---|----------|
| Nonylphenol, ethoxylated | Experiment: In vitro<br>Subject: Mammalian-Animal | Negative |
|                          | Experiment: In vitro<br>Subject: Mammalian-Animal | Negative |
|                          | Experiment: In vitro<br>Subject: bacteria/yeast   | Negative |
|                          | Metabolic activation: +/-                         |          |

### **Carcinogenicity**

Not available

## **Section 11. Toxicological information**

### **Reproductive toxicity**

Not available.

### **Teratogenicity**

Not available.

### **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 eye irritation.

Inhalation : No known significant effects or critical hazards.

Skin contact: No known significant effects or critical hazards.  
Ingestion : May be irritating to mouth, throat and stomach.

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

Eye contact : Adverse symptoms may include the following:  
irritation  
watering  
redness

Inhalation : No specific data.

Skin contact : No specific data.

Ingestion: No specific data.

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

**Short term exposure**

Potential immediate effects: Not available.

Potential delayed effects: Not available.

**Long term exposure**

Potential immediate effects: Not available.

Potential delayed effects: Not available.

**Potential chronic health effects**

General : No known significant effects or critical hazards

Carcinogenicity :. No known significant effects or critical hazards.

**Section 11. Toxicological information**

Mutagenicity : No known significant effects or critical hazards.

Teratogenicity : No known significant effects or critical hazards.

Developmental effects: No known significant effects or critical hazards.

Fertility effects : No known significant effects or critical hazards.

**Numerical measures of toxicity**

**Acute toxicity estimates**

| Route | ATE value  |
|-------|------------|
| Oral  | 3389 mg/kg |

Other information : Not available.

**Section 12. Ecological information**

**Toxicity**

| Product/ingredient name  | Test | Endpoint   | Exposure | Species | Result   |
|--------------------------|------|------------|----------|---------|----------|
| Nonylphenol, ethoxylated | -    | Acute LC50 | 96 hours | Fish    | 1 mg/l   |
|                          | -    | Acute LC50 | 96 hours | Fish    | 7.6 mg/l |
|                          | -    | Acute LC50 | 96 hours | Fish    | 8.6 mg/l |

**Persistence and degradability**

| Product/ingredient name  | Test | Period  | Result |
|--------------------------|------|---------|--------|
| Nonylphenol, ethoxylated | -    | 28 days | <60 %  |

| Product/ingredient name  | Aquatic half-life | Photolysis | Biodegradability |
|--------------------------|-------------------|------------|------------------|
| Nonylphenol, ethoxylated | -                 | -          | Not readily      |

**Bioaccumulative potential**

Not available.

**Mobility in soil**

Not available.

**Other adverse effects** : No known significant effects or critical hazards.

**Other ecological information**

BOD5: Not determined.

COD : Not determined.

TOC: Notdetermined.

**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.

**Disposal should be in accordance with applicable regional, national and local laws and regulations.**

**Section 14. Transport information**

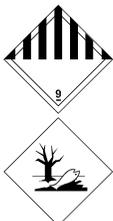
**Proper shipping name**

**DOT** : Environmentally hazardous substance, liquid, n.o.s. (Nonylphenol, ethoxylated). Marine pollutant

**TDG** : Environmentally hazardous substance, liquid, n.o.s. (Nonylphenol, ethoxylated). Marine pollutant

**IMDG** : Environmentally hazardous substance, liquid, n.o.s. (Nonylphenol, ethoxylated). Marine pollutant

**IATA** : Environmentally hazardous substance, liquid, n.o.s. (Nonylphenol, ethoxylated)

| Regulatory information | UN number | Classes | PG* | Label  | Additional information |
|------------------------|-----------|---------|-----|--|------------------------|
| DOT Classification     | UN3082    | 9       | III |  | -                      |

|                            |        |   |     |  |   |
|----------------------------|--------|---|-----|--|---|
| <b>TDG Classification</b>  | UN3082 | 9 | III | <br>  | -   |
| <b>IMDG Classification</b> | UN3082 | 9 | III | <br> | <b>Emergency schedules (EmS)</b><br>F-A S-F |
|                            |        |   |     |  |   |

## Section 14. Transport information

|                            |        |   |     |  |  |
|----------------------------|--------|---|-----|--|--|
| <b>IATA Classification</b> | UN3082 | 9 | III | <br> | <b>Passenger and Cargo Aircraft</b><br>Quantity limitation:<br>450 L<br>Packaging instructions: 964<br><b>Cargo Aircraft Only</b><br>Quantity limitation:<br>450 L Packaging instructions: 964 |
|----------------------------|--------|---|-----|--|--|

PG\* : Packing group

## Section 15. Regulatory information

### Safety, health and environmental regulations specific for the product

#### United States Regulations

**TSCA 8(b) inventory:** All components are listed or exempted.

**TSCA 5(a)2 final significant new use rule (SNUR) :** No ingredients listed.

**TSCA 5(e) substance consent order:** No ingredients listed.

**TSCA 12(b) export notification:** No ingredients listed.

**SARA 311/312:** Serious eye damage or eye irritation

**Clean Air Act - Ozone Depleting Substances (ODS) :** This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

**SARA 313:** The following components are subject to reporting levels established by SARA Title III, Section 313:

|  |              |                  |
|--|--------------|------------------|
| 4-Nonylphenol branched, ethoxylated(EO=9.5)          | 127087-87-0  | >= 90 - <= 100 % |
| Fraction of product meeting glycol ethers definition | Not Assigned | >= 1 - < 5 %     |

#### **CERCLA Hazardous substances**

**Ingredient name**      **%**

|                            |                |       |        |      |          |
|----------------------------|----------------|-------|--------|------|----------|
| :                          | Acetic acid    | 0.01  | Listed | 5000 | 50000000 |
| <u>Section 304 CERCLA</u>  | 1,4-Dioxane    | 0.003 | Listed | 100  | 3333333  |
| <u>Hazardous Substance</u> | Ethylene oxide | 0.001 | Listed |      |          |

CERCLA  
Reportable Quantity (Lbs)  
Product Reportable Quantity (Lbs)

**State regulations**

**PENNSYLVANIA - RTK** : No ingredients listed.

**Section 15. Regulatory information**

**California Prop 65** : This product contains a chemical that is at or below California Propositions 65's "safe harbor level" for carcinogenicity as determined via a risk assessment. Therefore, the chemical is not required to be listed as a Prop 65 chemical on the SDS or label.  
This product contains a chemical that is at or below California Propositions 65's "safe harbor level" for reproductive/developmental toxicity as determined via a risk assessment. Therefore, the chemical is not required to be listed as a Prop 65 chemical on the SDS or label.

**Canadian regulations**

**CEPA DSL** : All components are listed or exempted  
**WHMIS Classes** : Class D-2B: Material causing other toxic effects (Toxic).

**This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.**

**Brazil Regulations** : Norma ABNT-NBR 14725-2:2012

**Classification system used**

**International lists**

**: Australia inventory (AICS)**: All components are listed or exempted.

**China inventory (IECSC)**: All components are listed or exempted.

**Japan inventory**: All components are listed or exempted. **Korea inventory**: All components are listed or exempted. **Malaysia Inventory (EHS Register)**: Not determined.

**New Zealand Inventory of Chemicals (NZIoC)**: All components are listed or exempted.

**Philippines inventory (PICCS)**: All components are listed or exempted.

**Taiwan inventory (CSNN)**: Not determined.

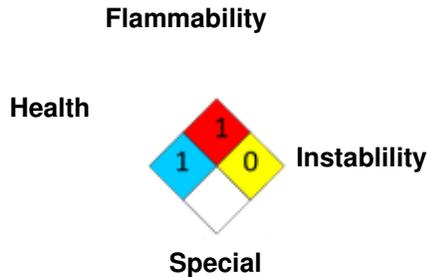
**Hazardous Material Information System (U.S.A.)**

|                     |   |   |
|---------------------|---|---|
| Health              | * | 1 |
| Flammability        |   | 1 |
| Physical Hazards    |   | 0 |
| Personal Protection |   |   |

**The customer is responsible for determining the PPE code for this material.**

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.

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



## Section 16. Other information

Reprinted with permission from NFPA 704-2001, Identification of the Hazards of Materials for Emergency Response Copyright ©1997, National Fire Protection Association, Quincy, MA 02269. This reprinted material is not the complete and official position of the National Fire Protection Association, on the referenced subject which is represented only by the standard in its entirety.

Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only.

Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

|                               |                       |
|-------------------------------|-----------------------|
| <b>Prepared By</b>            | <b>HSE Department</b> |
| <b>Date of issue</b>          | <b>12/28/2023</b>     |
| <b>Date of previous issue</b> | <b>7/16/2021</b>      |
| <b>Version</b>                | <b>7</b>              |

### **Disclaimer:**

Although the information and recommendations set forth herein (hereinafter "Information") are presented in good faith and believed to be correct as of the date hereof, John R Hess & Company, Inc. makes no representations as to the completeness or accuracy thereof. Information is supplied upon the condition that the persons receiving same will make their own determination as to its suitability for their purposes prior to use. In no event will John R Hess & Company, Inc. be responsible for damages of any nature whatsoever resulting from the use of or reliance upon Information. NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER NATURE ARE MADE HEREUNDER WITH RESPECT TO INFORMATION OR THE PRODUCT TO WHICH INFORMATION REFERS.

KOVKLEEN™ is a trademark of Kovalus Separation Solutions, LLC in the United States and may be registered in other jurisdictions.