

**KOVKLEEN™ 440****1. PRODUCT AND COMPANY IDENTIFICATION****Product identifier****Product Name** KOVKLEEN 440**Other means of identification****Product Code** PROD-313**UN/ID no.** UN1479**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](mailto:custerv@jrhess.com)**Emergency Phone Numbers** Infotrac 1-800-535-5053 (Spill, Leak, Fire, Exposure, Accident)

+1 (352) 323-3500 (Outside North America)

**2. HAZARDS IDENTIFICATION****Classification****OSHA Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity - Oral	Category 4
Serious eye damage/eye irritation	Category 1
Oxidizing solids	Category 3

**Label elements****Danger****Emergency Overview****Hazard statements**May intensify fire; oxidizer  
Harmful if swallowed  
Causes serious eye damage**Appearance** White granular**Physical state** powder**Odor** Bland**Precautionary Statements - Prevention**Keep away from heat/sparks/open flames/hot surfaces. — No smoking  
Keep/Store away from clothing/ combustible materials  
Take any precaution to avoid mixing with combustibles.  
Wash skin thoroughly after handling.  
Do not eat, drink or smoke when using this product  
Wear protective gloves/protective clothing/eye protection/face protection.

**Precautionary Statements - Response**

If swallowed: Immediately call a POISON CENTER or doctor/physician. Rinse mouth.

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/physician

**Hazards not otherwise classified (HNOC)**

Not applicable

**Other Information**

Harmful to aquatic life. Harmful to aquatic life with long lasting effects

**3. COMPOSITION/INFORMATION ON INGREDIENTS****Substance**

Chemical Name	CAS No.	Weight-%	Trade Secret
SODIUM PERCARBONATE	15630-89-4	60 - 100	*

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

**4. FIRST AID MEASURES****Description of first aid measures****Eye contact**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. In the case of difficulty of opening the eyelids, administer an analgesic eye wash (oxybuprocaine).

**Skin contact**

Wash off immediately with plenty of water for at least 15 minutes. If skin irritation persists, call a physician.

**Inhalation**

Remove victim to fresh air or supply oxygen. Administer artificial respiration if victim is unconscious. Seek medical attention if victim is unconscious. Seek medical attention if victim is overcome by vapors or breathing difficulty persists.

**Ingestion**

Do NOT induce vomiting. Rinse mouth. Immediate medical attention is required. Oxygen or artificial respiration if needed.

**Most important symptoms and effects, both acute and delayed****Symptoms**

Prolonged skin contact may cause skin irritation.

**Indication of any immediate medical attention and special treatment needed****Note to physicians**

Treat symptomatically.

**5. FIRE-FIGHTING MEASURES****Suitable extinguishing media**

Water. Water spray (fog).

**Unsuitable extinguishing media**

None.

**Specific hazards arising from the chemical**

Material is an oxidizer. May ignite combustibles (wood paper, oil, clothing, etc.). Contact with flammables may cause fire or explosions. Risk of explosion if heated under confinement. Oxygen released in thermal decomposition may support combustion.

**Hazardous combustion products**

Oxygen.

**Explosion data**

Sensitivity to Mechanical Impact

None.

Sensitivity to Static Discharge

None.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

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## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal precautions** Avoid contact with skin, eyes or clothing. Ensure adequate ventilation, especially in confined areas.

### Environmental precautions

**Environmental precautions** See Section 12 for additional Ecological Information.

### Methods and material for containment and cleaning up

**Methods for containment** For small spills: Carefully shovel or sweep up spilled material and place in suitable container. Avoid generating dust. Use appropriate PPE. See Section 8. For large spills: Carefully shovel or sweep up spilled material and place in suitable container. Avoid generating dust. Use appropriate PPE. See Section 8. In case of contact with water, prevent runoff from entering into storm sewers and ditches which lead to natural waterways. Never return spills to original containers for re-use.

**Methods for cleaning up** Pick up and transfer to properly labeled containers.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Advice on safe handling** Avoid generation of dust. Use personal protection recommended in Section 8. Use only in well-ventilated areas. Keep container closed when not in use. Store at room temperature in well ventilated areas. Prevent product from freezing. Follow SDS and label warnings even after package is empty. Do not cut, puncture, or weld empty container. Not for use in pressure washing equipment. Product applications which generate dust, mist, or fumes may require exposure limit modification. Use personal protection recommended in Section 8.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place.

**Packaging materials** Stainless steel. Polyethylene. Paper+ PE coating.

**Incompatible materials** None known based on information supplied.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

### Exposure Guidelines

### Appropriate engineering controls

**Engineering Controls** Showers. Eyewash stations. Ventilation systems.

### Individual protection measures, such as personal protective equipment

**Eye/face protection** Wear safety glasses with side shields (or goggles).

**Skin and body protection** Wear protective gloves and protective clothing.

**Respiratory protection** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

Appearance (physical state, color, etc.)	Powder, white granular
Odor	Bland
Odor threshold	No Information Available
pH	No Information Available
Melting point/freezing point	No Information Available
Boiling point/ boiling range	No Information Available
Flash point	No Information Available
Evaporation rate	No Information Available
Flammability (solid, gas)	No Information Available
Upper/lower flammability or explosive limit	Not Explosive
Vapor pressure	No Information Available
Vapor density	No Information Available
Relative density	No Information Available
Water solubility	No Information Available
Partition coefficient: n-octanol/water	No Information Available
Auto-ignition temperature	Not Applicable
Decomposition temperature	No Information Available
Kinetic viscosity	No Information Available
Dynamic viscosity	No Information Available
Explosive properties	No Information Available
Oxidizing properties	May intensify fire
<b>Other Information</b>	
Softening point	No Information Available
Molecular weight	No Information Available
VOC content %	No Information Available
Bulk density	No Information Available

## 10. STABILITY AND REACTIVITY

### Reactivity

Decomposes when moist.  
Decomposes on heating.  
Potential for exothermic reaction.

### Chemical stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

Contact with flammables may cause fire or explosions. Contact with combustible material may cause fire.

### Conditions to avoid

To avoid thermal decomposition, do not overheat. Exposure to moisture.

### Incompatible materials

None known based on information supplied.

### Hazardous Decomposition Products

Oxygen.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

<b>Product Information</b>	No data available
<b>Inhalation</b>	Avoid breathing dust.
<b>Eye contact</b>	Risk of serious damage to eyes.

**Skin contact** May cause irritation.

**Ingestion** Harmful if swallowed.

**Component Information** Caution - substance not yet tested completely

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
SODIUM PERCARBONATE 15630-89-4	= 1034 mg/kg ( Rat )	-	-

#### Information on toxicological effects

**Symptoms** No Information Available.

#### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Sensitization** No Information Available.

**Germ cell mutagenicity** No Information Available.

**Carcinogenicity** No Information Available.

**Reproductive toxicity** No Information Available.

**STOT - single exposure** No Information Available.

**STOT - repeated exposure** No Information Available.

**Aspiration hazard** No Information Available.

## 12. ECOLOGICAL INFORMATION

#### Ecotoxicity

Chemical Name	Algae/aquatic plants	Fish	Crustacea
SODIUM PERCARBONATE	70: 240 h Chlorella emersonii mg/L EC50	70.7: 96 h Pimephales promelas mg/L LC50 static	4.9: 48 h Daphnia pulex mg/L EC50
TAED 10543-57-4	-	500: 96 h Brachydanio rerio mg/L LC50 static	800: 48 h Daphnia magna mg/L EC50

#### Persistence and degradability

No Information Available.

#### Bioaccumulation

No Information Available.

#### Other adverse effects

No Information Available

## 13. DISPOSAL CONSIDERATIONS

#### Waste treatment methods

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

**Contaminated packaging** Do not reuse container.

Chemical	California Hazardous Waste Status
SODIUM PERCARBONATE	Ignitable

## 14. TRANSPORT INFORMATION

#### DOT

**UN/ID no.** UN1479  
**Proper shipping name** Oxidizing solid, n.o.s.  
**Hazard Class** 5.1  
**Packing Group** III  
**Special Provisions** 62, IB8, IP3, T1, TP33  
**Description** UN1479, Oxidizing solid, n.o.s. (SODIUM PERCARBONATE), 5.1, III  
**Emergency Response Guide Number** 140

**TDG**

**UN/ID no.** UN1479  
**Proper shipping name** Oxidizing solid, n.o.s.  
**Hazard Class** 5.1  
**Packing Group** III  
**Description** UN1479, Oxidizing solid, n.o.s. (SODIUM PERCARBONATE), 5.1, III

**MEX**

**UN/ID no.** UN1479  
**Proper shipping name** Oxidizing solid, n.o.s.  
**Hazard Class** 5.1  
**Packing Group** III  
**Description** UN1479, Oxidizing solid, n.o.s. (SODIUM PERCARBONATE), 5.1, III

**ICAO (air)**

**UN/ID no.** UN1479  
**Proper shipping name** Oxidizing solid, n.o.s.  
**Hazard Class** 5.1  
**Packing Group** III  
**Special Provisions** A3  
**Description** UN1479, Oxidizing solid, n.o.s. (SODIUM PERCARBONATE), 5.1, III

**IATA**

**UN/ID no.** UN1479  
**Proper shipping name** Oxidizing solid, n.o.s.  
**Hazard Class** 5.1  
**Packing Group** III  
**ERG Code** 5L  
  
**Special Provisions** A3, A803  
**Description** UN1479, Oxidizing solid, n.o.s. (SODIUM PERCARBONATE), 5.1, III

**IMDG**

**UN/ID no.** UN1479  
**Proper shipping name** Oxidizing solid, n.o.s.  
**Hazard Class** 5.1  
**Packing Group** III  
**EmS-No.** F-A, S-Q  
**Special Provisions** 223, 274, 900  
**Description** UN1479, Oxidizing solid, n.o.s. (SODIUM PERCARBONATE), 5.1, III

**RID**

**UN/ID no.** UN1479  
**Proper shipping name** Oxidizing solid, n.o.s.  
**Hazard Class** 5.1  
**Packing Group** III  
**Classification code** O2  
**Description** UN1479, Oxidizing solid, n.o.s. (SODIUM PERCARBONATE), 5.1, III

**ADR**

**UN/ID no.** UN1479  
**Proper shipping name** Oxidizing solid, n.o.s.  
**Hazard Class** 5.1  
**Packing Group** III  
**Classification code** O2  
**Tunnel restriction code** (E)  
**Special Provisions** 274  
**Description** UN1479, Oxidizing solid, n.o.s. (SODIUM PERCARBONATE), 5.1, III, (E)  
**Labels** 5.1

**ADN**

**Proper shipping name** Oxidizing solid, n.o.s.  
**Hazard Class** 5.1  
**Packing Group** III  
**Classification code** O2

<b>Special Provisions</b>	274
<b>Description</b>	UN1479, Oxidizing solid, n.o.s. (SODIUM PERCARBONATE), 5.1, III
<b>Hazard label(s)</b>	5.1
<b>Limited quantity (LQ)</b>	5 kg

## 15. REGULATORY INFORMATION

### International Inventories

<b>TSCA</b>	Complies
<b>DSL/ELINCS</b>	Complies
<b>ENCS</b>	Complies
<b>IECSC</b>	Complies
<b>KELC</b>	Complies
<b>PICCS</b>	Complies
<b>AICS</b>	Complies

### Legend:

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical

Substances **KECL** - Korean Existing and Evaluated

Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

### US Federal Regulations

#### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

#### SARA 311/312 Hazard Categories

<b>Acute health hazard</b>	No
<b>Chronic Health Hazard</b>	No
<b>Fire Hazard</b>	Yes
<b>Sudden release of pressure hazard</b>	No
<b>Reactive Hazard</b>	No

#### CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

#### CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

### US State Regulations

#### California Proposition 65

This product does not contain any Proposition 65 chemicals

#### U.S. State Right-to-Know Regulations

#### U.S. EPA Label Information

**EPA Pesticide Registration Number** Not applicable

## 16. OTHER INFORMATION

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

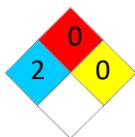
Health	*	2
Flammability		0
Physical hazards		0

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.

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



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Prepared By: HSE Department

Issue Date: 12/27/2023

Version: 4

Precedes: 10/05/2018

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