

**KOCHKLEEN® 440****1. PRODUCT AND COMPANY IDENTIFICATION****Product identifier****Product Name** KOCHKLEEN® 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**Emergency Phone Numbers** Chemtrec 1-800-424-9300 (Spill, Leak, Fire, Exposure, Accident)
+1 (703) 527-3887 (outside USA)**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.

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
Other Information	
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

Product Information	No data available
Inhalation	Avoid breathing dust.
Eye contact	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

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

15. REGULATORY INFORMATION

International Inventories

TSCA	Complies
DSL/ELINCS	Complies
ENCS	Complies
IECSC	Complies
KELC	Complies
PICCS	Complies
AICS	Complies

Legend:

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

DSL/NDSL - 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

Acute health hazard	No
Chronic Health Hazard	No
Fire Hazard	Yes
Sudden release of pressure hazard	No
Reactive Hazard	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)

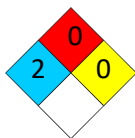
Health	*	2
Flammability		0
Physical hazards		0

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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