



SAFETY DATA SHEET

Issue Date 4/15/2015

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Version 3

1. IDENTIFICATION

Product identifier

Product Name: KLEEN AIR

Other means of identification

Product code: FS-893

Synonyms: None

Recommended use of the chemical and restrictions on use

Recommended Use: Cleaning agent.

Uses advised against: No information available

Details of the supplier of the safety data sheet

Supplier Address

FRONTIER PERFORMANCE LUBRICANTS INC
PO BOX 1777
LODI, CA 95241
Phone: (800)-807-4496
Fax: (209)-334-6408

Emergency telephone number

Emergency Telephone: PERS (800)-633-8253

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

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

Serious eye damage/eye irritation

Category 2A

Label elements

EMERGENCY OVERVIEW

Signal word

Warning

Hazard statements

Causes serious eye irritation



Appearance Oil

Physical state Liquid

Odor Mild

Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling

Wear eye/face protection

Eyes 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 advice/attention

Hazards not otherwise classified (HNOC)**Other information**

- Causes mild skin irritation
- Harmful to aquatic life with long lasting effects

3. COMPOSITION/INFORMATION ON INGREDIENTS

The product contains no substances which at their given concentration, are considered to be hazardous to health.

Components	CAS-No	Weight %	Trade Secret
Secondary alcohol ethoxylate	84133-50-6	10-50	*

4. FIRST AID MEASURES**First aid measures**

Eye contact: Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. If eye irritation persists, consult a specialist.

Skin contact: Wash off immediately with soap and plenty of water. Remove and wash contaminated clothing before re-use. If skin irritation persists, call a physician.

Inhalation: Move to fresh air. If symptoms persist, call a physician.

Ingestion: Drink 1 or 2 glasses of water. Do not induce vomiting. Consult a physician.

Most important symptoms and effects, both acute and delayed

Symptoms: No information available.

Indication of any immediate medical attention and special treatment needed**5. FIRE-FIGHTING MEASURES****Suitable extinguishing media:**

Carbon dioxide (CO₂). Dry chemical. Water spray mist or foam.

Unsuitable extinguishing media Do not use a solid water stream as it may scatter and spread fire

Specific hazards arising from the chemical

In the event of fire, cool tanks with water spray.

Explosion data

Sensitivity to Mechanical Impact: None.

Sensitivity to Static Discharge: None.

Special protective equipment 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: Use personal protective equipment.

Environmental precautions

Environmental precautions: Do not flush into surface water or sanitary sewer system. Should not be released into the environment.

Methods and material for containment and cleaning up

Methods for containment: Prevent further leakage or spillage if safe to do so.

Methods for cleaning up: Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling: Spilling onto the container's outside will make container slippery.

Conditions for safe storage, including any incompatibilities

Storage Conditions: Keep containers dry and tightly closed to avoid moisture absorption and contamination

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines: Contains mineral oil, vegetable oil, and/or synthetic oil. Under conditions which may generate mists, observe the OSHA PEL of 5 mg/m³, ACGIH STEL of 10 mg/m³.

Appropriate engineering controls

Engineering measures to reduce exposure: Ensure adequate ventilation, especially in confined areas.

Individual protection measures, such as personal protective equipment

Respiratory protection: In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.

Hand protection: Nitrile rubber

Eye protection: Safety glasses

Skin and body protection: Usual safety precautions while handling the product will provide adequate protection against this potential effect

General Hygiene Considerations: Avoid contact with skin, eyes and clothing

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state: Liquid

Appearance: Oil

Odor: Mild

Color: Clear

Odor threshold: No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
Melting point/freezing point	No information available	
Flash point	> 168 °C / 335 °F	Cleveland Open Cup
Flammability (solid, gas)	No information available	

pH	Not applicable
Boiling point / boiling range	> 260 °C / 500 °F
Evaporation rate	No information available
Flammability Limit in Air	

Upper flammability limit:	No information available	Lower flammability limit:	No information available
Vapor pressure:	No information available	Vapor density:	No information available
Specific Gravity:	< 1.0	Water solubility:	Slightly Emulsifiable
Solubility in other solvents:	No information available	Partition coefficient:	No information available
Autoignition temperature:	No information available	Decomposition temperature:	No information available
Kinematic viscosity:	No information available	Dynamic viscosity:	No information available
Explosive properties:	No information available		
Oxidizing properties:	No information available		

Other information

Softening point:	No information available
Molecular weight:	No information available
VOC Content (%):	No information available
Density:	No information available
Bulk density:	No information available

10. STABILITY AND REACTIVITY

Reactivity

Not applicable

Chemical stability

Stability: Stable under normal conditions

Possibility of Hazardous Reactions

Possibility of Hazardous Reactions: None under normal processing.

Hazardous polymerization: Hazardous polymerization does not occur.

Conditions to avoid

Conditions to avoid: No special storage conditions required

Hazardous Decomposition Products

Hazardous Decomposition Products: Incomplete combustion may produce small amounts of carbon oxides

Incompatible materials

Incompatible materials: Oxidizing agents

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information: Product does not present an acute toxicity hazard based on known or supplied information

Eye contact: Severely irritating to eyes.

Skin contact: May be harmful in contact with skin.

Inhalation: Avoid breathing vapors or mists.

Ingestion: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Components	Oral LD50	Dermal LD50	Inhalation LC50
Secondary alcohol ethoxylate -84133-50-6	= 2100 mg/kg (Rat)	-	-

Information on toxicological effects**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

Sensitization:	No sensitization responses were observed.
Mutagenic effects:	Did not show mutagenic or teratogenic effects in animal experiments.
Carcinogenicity:	This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.
Reproductive toxicity:	This product does not contain any known or suspected reproductive hazards.
STOT - Single Exposure:	None under normal use conditions.
STOT - Repeated Exposure:	None under normal use conditions.
Aspiration hazard:	Not applicable.

Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document .

ATEmix (oral):	10853 mg/kg
ATEmix (dermal):	6089 mg/kg
ATEmix (inhalation-dust/mist):	181 mg/l

12. ECOLOGICAL INFORMATION

Ecotoxicity

Harmful to aquatic life with long lasting effects

0.50974% of the mixture consists of component(s) of unknown hazards to the aquatic environment

Secondary alcohol ethoxylate -84133-50-6	
Algae/aquatic plants	-
Fish	3.2: 96 h Pimephales promelas mg/L LC50
Crustacea	3.2: 48 h water flea mg/L EC50

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility

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.

14. TRANSPORT INFORMATION

DOT

Not Regulated

IATA-DGR Not Regulated

IMO / IMDG Not Regulated

15. REGULATORY INFORMATION

International Inventories

TSCA: Listed in TSCA
DSL: All of the components in this product are listed in DSL
EINECS/ELINCS: This product complies with EINECS/ELINCS
CHINA: This product complies with China IECSC.
KECL: This product complies with Korea KECL.
PICCS: This product complies with Philippines PICCS.
AICS: All the constituents of this material are listed on the Australian AICS

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

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	Yes
Chronic Health Hazard	No
Fire Hazard	No
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

State Regulations (RTK)

California Proposition 65

This product contains the following Proposition 65 chemical: DIDP

U.S. State Right-to-Know Regulations

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. OTHER INFORMATION

Nfpa

Health: 2

Flammability: 1

Instability: 0

NFPA/HMIS * for Carc, Muta, Tera, Specific Organ *

HMIS health rating

Health: 2

Flammability: 1

Physical hazards: 0

Personal protection: B

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Revision Note

Not applicable

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet