

# SAFETY DATA SHEET

Revision Date: 17-Jun-2019

# 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION

Product identifier

Product Name Feroclean LE 643 K

Other means of identification

UN/ID no UN 1268 (bulk)

Recommended use of the chemical and restrictions on use

Recommended Use Water soluble cleaning fluid.
Uses advised against No information available

Details of the supplier of the safety data sheet

**Manufacturer Address** 

Yushiro Manufacturing America, Inc. 783 West Mausoleum Road Shelbyville, IN 46176

Telephone: 317-398-9862 Emergency telephone number

Emergency Telephone Chemtrec 1-800-424-9300

# 2. HAZARDS IDENTIFICATION

# Classification

**OSHA Regulatory Status** 

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

Aspiration toxicity	Category 1
Flammable liquids	Category 4

# Label elements

#### **Emergency Overview**

# Danger

#### **Hazard statements**

May be fatal if swallowed and enters airways Combustible liquid



Appearance No information available

Physical state liquid

Odor Petroleum distillates

**Precautionary Statements - Prevention** 

Keep away from flames and hot surfaces. - No smoking

Wear protective gloves/eye protection/face protection

### **Precautionary Statements - Response**

IF SWALLOWED: Immediately call a POISON CENTER or doctor

Do NOT induce vomiting

In case of fire: Use CO2, dry chemical, or foam to extinguish

## **Precautionary Statements - Storage**

Store locked up

Store in a well-ventilated place. Keep cool

## **Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

#### Hazards not otherwise classified (HNOC)

#### Other Information

- · May be harmful if swallowed
- · May be harmful in contact with skin
- Causes mild skin irritation

Unknown acute toxicity 4.275 % of the mixture consists of ingredient(s) of unknown toxicity

# 3. COMPOSITION/INFORMATION ON INGREDIENTS

## Mixture

Chemical Name	CAS No	weight-%	Trade Secret
Distillates (petroleum), hydrotreated light	Trade Secret	60 - 100	*
2-(2-butoxyethoxy)ethanol	112-34-5	1 - 5	*

Some specific chemical identities and the exact percentages of composition have been withheld as trade secrets.

# 4. FIRST AID MEASURES

# First aid measures

Eye contact Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids.

Consult a physician.

**Skin Contact** Wash skin with soap and water.

**Inhalation** Remove to fresh air. If symptoms persist, call a physician.

**Ingestion** Clean mouth with water and drink afterwards plenty of water.

## Most important symptoms and effects, both acute and delayed

**Symptoms** No information available.

## Indication of any immediate medical attention and special treatment needed

**Note to physicians** Treat symptomatically.

# 5. FIRE-FIGHTING MEASURES

## Suitable extinguishing media

Dry chemical, foam, carbon dioxide, water spray or fog is recommended.

Unsuitable extinguishing media CAUTION: Use of water spray when fighting fire may be inefficient.

#### Specific hazards arising from the chemical

No information available.

**Hazardous combustion products** Incomplete combustion and thermolysis may produce gases of varying toxicity such as carbon monoxide, carbon dioxide, various hydrocarbons, aldehydes and soot. These may

be highly dangerous if inhaled in confined spaces or at high concentration.

#### 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. Use personal protective equipment as required.

Ensure adequate ventilation, especially in confined areas.

Environmental precautions

**Environmental precautions** Avoid release to the environment. Do not flush into surface water or sanitary sewer system.

See Section 12 for additional Ecological Information.

# 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**Soak up with inert absorbent material.

# 7. HANDLING AND STORAGE

# Precautions for safe handling

Advice on safe handling Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.

Ensure adequate ventilation, especially in confined areas.

# Conditions for safe storage, including any incompatibilities

Storage Conditions Keep container tightly closed in a dry and well-ventilated place. Protect from elevated

temperatures and direct sunlight. Keep away from heat, sparks, flame and other sources of

ignition (i.e., pilot lights, electric motors and static electricity).

**Incompatible materials** Acids. Strong oxidizing agents. Nitrites and nitrosating agents.

# 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

## Control parameters

Exposure Guidelines Distillates (petroleum), hydrotreated light: ACGIH TLV (RCP - hydrocarbon solvent vapor)

- 1,200 mg/m<sup>3</sup>.

	1,200 mg/m :		
Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
2-(2-butoxyethoxy)ethanol	TWA: 10 ppm inhalable fraction	-	-
112-34-5	and vapor		

# **Appropriate engineering controls**

**Engineering Controls** Showers

> Eyewash stations Ventilation systems.

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

Eye/face protection Avoid contact with eyes. Wear safety glasses with side shields (or goggles).

Avoid contact with skin and clothing. Wear suitable protective clothing. Selection of Skin and body protection

protective clothing depends on work conditions.

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

> > @ 40° C

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

Physical state

No information available **Appearance** Odor Petroleum distillates Color **Odor threshold** light yellow No information available

Remarks • Method Property Values

No information available Melting point / freezing point No information available

Boiling point / boiling range No information available Flash point 67 °C

No information available **Evaporation rate** Flammability (solid, gas) No information available Flammability Limit in Air

No information available **Upper flammability limit:** Lower flammability limit No information available Vapor pressure No information available Vapor density No information available

Relative density 0.814 @ 20°C

Water solubility Miscible in water

Solubility in other solvents No information available **Partition coefficient** No information available **Autoignition temperature** No information available **Decomposition temperature** No information available Kinematic viscosity approx. 3 mm2/s

No information available **Dynamic viscosity 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 6.5 lbs/gal

No information available **Bulk density** 

# 10. STABILITY AND REACTIVITY

#### Reactivity

No data available

### **Chemical stability**

Stable under recommended storage conditions.

#### **Possibility of Hazardous Reactions**

None under normal processing.

**Hazardous polymerization** Hazardous polymerization does not occur.

#### **Conditions to avoid**

Protect from elevated temperatures and direct sunlight. Heat, flames and sparks.

## **Incompatible materials**

Acids. Strong oxidizing agents. Nitrites and nitrosating agents.

#### **Hazardous Decomposition Products**

No hazardous decomposition products if stored and handled under normal conditions.

# 11. TOXICOLOGICAL INFORMATION

## Information on likely routes of exposure

Product Information No data available

**Inhalation** May cause irritation of respiratory tract. May cause drowsiness or dizziness.

**Eye contact** May cause slight irritation.

**Skin Contact** Repeated or prolonged skin contact may result in dermatitis.

**Ingestion** May be harmful if swallowed.

#### Information on toxicological effects

**Symptoms** No information available.

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

**Skin corrosion/irritation** Repeated exposure may cause skin dryness or cracking.

Sensitization No information available.

Germ cell mutagenicity No information available.

Carcinogenicity This product does not contain any components at concentrations at or above 0.1% that are

listed as carcinogens or potential carcinogens by OSHA, IARC or NTP.

Reproductive toxicity
STOT - single exposure
STOT - repeated exposure
Aspiration hazard
No information available.
No information available.
No information available.

## Numerical measures of toxicity - Product Information

**Unknown acute toxicity** 4.275 % of the mixture consists of ingredient(s) of unknown toxicity

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

ATEmix (oral) >5,000 mg/kg

# 12. ECOLOGICAL INFORMATION

# **Ecotoxicity**

Harmful to aquatic life

4.275 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

## 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.

# 14. TRANSPORT INFORMATION

**DOT**Not regulated (If shipped in NON BULK packaging by ground transport)

UN/ID no UN 1268 (bulk)

**Proper shipping name** Petroleum distillates, N.O.S.

Hazard Class Combustible liquid

Packing Group III

<u>IATA</u> Not regulated

IMDG Not regulated

# 15. REGULATORY INFORMATION

**International Inventories** 

TSCA Complies
DSL/NDSL Complies

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

## **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

Chemical Name	SARA 313 - Threshold Values %	
2-(2-butoxyethoxy)ethanol - 112-34-5	1.0	
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 contains substances classified as oil under Section 311 of the Clean Water Act and the Oil Pollution Act of 1990. Discharge or spills which produce a visible sheen on surface water or waterways leading to surface water must be reported to the National Response Center at 800-424-8802.

#### <u>CERCLA</u>

Contains no substances that would reasonably be expected to attain reportable quantity (RQ) thresholds.

## **US State Regulations**

#### **California Proposition 65**

This product does not contain any Proposition 65 chemicals

## U.S. EPA Label information

EPA Pesticide registration number Not Applicable

# **16. OTHER INFORMATION**

Issue Date29-Mar-2017Revision Date:17-Jun-2019

**Revision Note** 

No information available

# **Disclaimer**

The information provided in this Material 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**