



Safety Data Sheet

Keda Dye LLC
PO Box 1776
Manitowoc, WI 54221

Issuing Date 05-Feb-2015

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Version 13

1. Identification of the Substance/Preparation and of the Company/Undertaking

Product Identifier Keda Dye LLC Amber Yellow Liquid Dye
Product Code
Product name

Recommended use of the chemical and restrictions on use
Synonyms N/A

Supplier's details
Recommended use Industrial Use Only.
Uses advised against No information available

Details of the Supplier of the Safety Data Sheet

Keda Dye LLC
PO Box 1776
Manitowoc, WI 54221

Emergency telephone number USA: 1-800-255-3924

2 Hazards Identification

Classification

carcinogenicity	Category 2
Specific target organ toxicity (single exposure)	Category 3
FLAMMABLE LIQUIDS	Category 3

EMERGENCY OVERVIEW

Signal word WARNING

Hazard statements

H336 - May cause drowsiness or dizziness

H351 - Suspected of causing cancer

FLAMMABLE LIQUID AND VAPOR



Appearance dark Yellow liquid

Physical State Liquid

Odor ether-like

Precautionary statements

- P201 - Obtain special instructions before use
- P202 - Do not handle until all safety precautions have been read and understood
- P281 - Use personal protective equipment as required
- P308 + P313 - IF exposed or concerned: Get medical advice/attention
- P261 - Avoid breathing dust fume/gas/mist vapors/spray
- P271 - Use only outdoors or in a well-ventilated area
- P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing P312
- Call a POISON CENTER or doctor if you feel unwell
- P403 + P233 - Store in a well-ventilated place. Keep container **lightly** closed
- P405 - Store locked up
- P501 - Dispose of contents/ container to an approved waste disposal plant
- P210 - Keep away from heat/sparks/open flames/hot surfaces. -**No** smoking
- P233 - Keep container tightly closed
- P240 - Ground/bond container and receiving equipment
- P241 - Use explosion-proof electrical/ventilating/lighting/equipment
- P242 - Use only non-sparking tools
- P243 - Take precautionary measures against static discharge
- P280 - Wear protective gloves/protective clothing/eye protection/face protection
- P303 + P361 + P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
- P370 + P378 - In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish
- P403 + P235 - Store in a well-ventilated place. Keep cool
- P501 - Dispose of contents/container to industrial incineration plant

Hazards Not Otherwise Classified (HNOC)

OTHER INFORMATION

Unknown Acute Toxicity

38 percent of the mixture consists of ingredient(s) of unknown acute toxicity

3. Composition/information on Ingredients

Chemical Name	CAS-No	Weight%	Trade secret
ETHOXY PROPANOL	1569-02-4	60-70	*
Proprietary Colorant	Proprietary	20-30	*

4. First aid measures

First aid measures for different exposure routes

General Advice	If symptoms persist, call a physician.
Eye Contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.
Skin Contact	Immediate medical attention is not required. Wash off immediately with soap and plenty of Water while removing all contaminated clothes and shoes. If skin irritation persists, call a physician.
INHALATION	Immediate medical attention is not required. If symptoms persist, call a physician. Move to fresh air in case of accidental inhalation of vapors or decomposition products.
INGESTION	Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Consult a physician. Do NOT induce vomiting.
Protection of First-aiders	Use personal protective equipment.

Most important symptoms/ effects acute and delayed

Main Symptoms No information available.

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

Notes to physician Treat symptomatically.

5. Fire-fighting measures

Suitable extinguishing media

Use: Dry chemical. Carbon dioxide. (CO₂). Water spray. Alcohol-resistant foam.

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

Specific Hazards Arising from the Chemical

Keep product and empty container away from heat and sources of ignition. Risk of ignition. FLAMMABLE.

Explosion Data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge YES.

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 Use personal protective equipment. Remove all sources of ignition. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Pay attention to flashback. Take precautionary measures against static discharges.

Environmental Precautions

Environmental Precautions Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

Methods and materials 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. Dam up. Pick up and transfer to properly labeled Containers Take precautionary measures against static discharges.

7. Handling and Storage

Precautions for Safe Handling

Advice on safe handling Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors). Do not use mobile phones during handling. Never pierce, drill, grind, cut, saw or weld any empty container.

Conditions for safe storage, including any incompatibilities

Technical measures/Storage conditions Keep away from heat and sources of ignition. Keep containers tightly closed in a cool, well-ventilated place. Keep away from heat. Keep in properly labeled containers.

Incompatible Products None known based on information supplied.

8. Exposure Controls/Personal Protection

Control Parameters Exposure Controls Engineering Measures

Exposure guidelines

ional exposure limits established by the region specific regulatory bodies

This product, as supplied, does not contain any hazardous materials with occupat

Showers
Eyewash stations
Ventilation systems: Apply technical measures to comply with the occupational exposure limits. Process enclosure and/or ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/Face Protection	Tightly fitting safety goggles. Eyewash fountains should be provided in areas where there is any possibility that workers could be exposed to the substances; this is irrespective of the recommendation involving the wearing of eye protection. If splashes are likely to occur, wear: Face-shield. Goggles.
Skin and Body Protection	Skin and Body Protection. Wear protective gloves and protective clothing. Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.
Respiratory Protection	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.
Hygiene Measures	Wear personal protective equipment. When using, do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended.

9. Physical and Chemical Properties

Physical and Chemical Properties

Physical State appearance odor threshold	Liquid Dark yellow liquid No information available	Odor	ether-like
<u>Property</u>	<u>VALUES</u>	<u>Remarks • Method</u>	
pH	6.0 - 10.0	N/A	
Melting point			
Boiling point boiling range	< 110 °C / 230.00 °F		
Flash Point	46 °C / - 115.00 °F		
Evaporation Rate	No data available		
Flammability (solid, gas) Flammability Limits in Air	No data available	No data available	
Upper Flammability Limit	No information available		
Lower Flammability Limit	No information available		
vapor pressure	No information available		
Vapor Density	No information available		
Specific gravity	1.1	NIA	
Solubility in Other Solvents	No information available		
Partition coefficient: n-octanol/water	No information available		
Auto ignition Temperature	No Data Available	NIA	

Decomposition temperature	No information available
Kinematic viscosity	No Data 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	
VOC Content(%)	No information available
density	9.2

10. Stability and Reactivity**Reactivity**

No data available

Chemical Stability

Stable under recommended storage conditions.

Hazardous Reactions

None under normal processing

Conditions to avoid

Heat, flames and sparks. Take precautionary measures against static discharges. Heat (temperatures above flash point), sparks, ignition points, flames, static electricity.

Incompatible materials

None known based on information supplied.

Hazardous decomposition products May emit toxic fumes under fire conditions.**11. Toxicological Information****Information on Likely Routes of Exposure****Product information**

INHALATION	Avoid breathing vapors or mists.
Eye Contact	Avoid contact with eyes.
Skin Contact	Avoid contact with skin.
INGESTION	Not an expected route of exposure. Do NOT taste or swallow.

Information on Toxicological Effects

Symptoms No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposureSensitization No information available.
Germ cell mutagenicity No information available.

Chemical Name	ACGIH	IARC	NTP	OSHA
Proprietary Colorant		Group 2B		X

*/ARC : (International Agency for Research on Cancer)
Group 2B - Possibly Carcinogenic to Humans*

OSHA: (Occupational Safety & Health Administration)

X - Present

Reproductive Toxicity No information available.
 Specific target organ systemic toxicity (single exposure) No information available.
 Specific target organ systemic toxicity (repeated exposure) No information available.
 Aspiration Hazard No information available.

Numerical Measures of Toxicity - Product information

Unknown Acute Toxicity 38 percent of the mixture consists of ingredient(s) of unknown acute toxicity The following values are calculated based on chapter 3.1 of the GHS document
 ATEmix (oral) 6245 mg/kg
 ATEmix (dermal) 11497 mg/kg
 ATEmix (inhalation-dust/mist) 73.6
 ATEmix (inhalation-vapor) 60.5 mg/l

12. Ecological Information

Ecotoxicity

74% of the mixture consists of comonoents(s) of unknown hazards to the aquatic environment

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Toxicity to daphnia and other aquatic invertebrates
ETHOXY PROPANOL 1569-02-4		10000:24 h Pimephales promelas mg/L LC50 static		

Persistence and Degradability No information available
 Bioaccumulation No information available
 Other Adverse Effects No information available

13. Disposal Considerations

Waste treatment

Waste Disposal Methods Should not be released into the environment. This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261). Dispose of in accordance with all applicable national environmental laws and regulations. Dispose of in accordance with local regulations.

Contaminated Packaging Do not re-use empty containers. Dispose of in accordance with local regulations. US EPA Waste Number 0001 0007

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical Name	California Hazardous Waste Status
Proprietary Colorant	Toxic

RESTRICTIONS - REACH TITLE VIII No information available

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or 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 %
ETHOXY PROPANOL	1.0
Proprietary Colorant	1.0

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

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Proprietary Colorant		X	X	X	

WHMIS Note

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class B3

Combustible liquid D2A

Very toxic materials



HMIS

Health Hazard 2*

flammability 2

Physical hazard 0

PERSONAL PROTECTION H

14 Other Information

Revision Date	05-Feb-2015
Revision note	No information available.
Restrictions on use	No information available.

Disclaimer

The information provided on this MSDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text

End of Material Safety Data Sheet