



KEDA DYE

SAFETY DATA SHEET

Keda Dye LLC
PO Box 1776
Manitowoc, WI 54221

Issuing Date 16-Jun-2015

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Version 13

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

Product Identifier Keda Dye LLC Coal Black

Recommended use of the chemical and restrictions on use

Synonyms N/A

Industrial Use Only.

Supplier's details recommended use

No information available

Uses advised against

2. Hazards Identification

Classification

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

Specific target organ toxicity (single exposure)

Category 3

FLAMMABLE LIQUIDS

Category 4

Signal Word WARNING

Hazard statements

H336 - May cause drowsiness or
dizziness

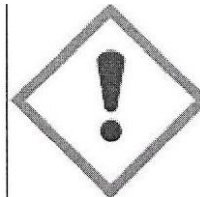
Combustible liquid

EMERGENCY OVERVIEW

Appearance: black liquid

Physical State: Liquid

Odor: ether-like



Precautionary Statements

- 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 tightly closed
- P405 - Store locked up
- P501 - Dispose of contents/ container to an approved waste disposal plant
- 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
- P210 - Keep away from heat sparks/open flames/hot surfaces. – **No** smoking
- 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

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

3. Composition/information on Ingredients

Chemical Name	CAS-No	Weight %
Proprietary	Proprietary	30-40

4. Firstaid measures

First aid measures for different exposure routes

General Advice	Immediate medical attention is required. Show this material safety data sheet to the doctor in attendance. 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	Wash off immediately with plenty of water. 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 Remove all sources of ignition. 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.

Notesto physician: Treat symptomatically.

5. Fire-fightingmeasures

Suitable extinguishing media

Use: Drychemical. 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 breathingapparatus pressure-demand, MSHA/NIOSH (approved orequivalent) and full protective gear.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

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

Environmental Precautions

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

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 Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder sawdust). Pick up and transfer to properly labeled containers. Soak up with inert absorbent material. Take precautionary measures against static discharges.

7. HandlingandStorage

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 tightly closed in a dry and cool place. Keep in properly labeled containers. Keep away from heat and sources of ignition. Keep

containers tightly closed in a cool, well-ventilated place. Keep away from heat.

Incompatible Products None known based on information supplied.

8. Exposure Controls/Personal Protection

Chemical Name	ACGIH TLV	NIOSH IDLH
GLYCOL ETHER PM ALCOHOL 107-98-2	100PPMTWA369 mg/m ³ 150 PPM STEL	TWA:100ppm TWA: 360 mg/m ³ STEL:150ppm STEL:540 mg/ml
Proprietary	Not Established	IDLH: 15 mg/m ³ Cr(VI) IDLH: 25 mg/m ³ Cr(III) TWA:0.0002 mg/m ³ CrTWA:0.5

Control Parameters

Exposure guidelines

NIOSH IDLH immediately Dangerous to Life or Health

Exposure guidelines Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir, 1992).

Exposure Controls Showers Eyewash stations

Engineering Measures 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 or 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 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	M e l t i n	g point
<u>Property</u>		Boiling point/boiling range Flash Point
pH		Evaporation Rate

VALUES		104.00 °F	Remarks • Method
No information available		No data available	
4.50 - 10.0		Odor	NIA
< 110 °C / 230.00 °F 40 °C / -		ether-like	
Flammability (solid, gas)		No data available	
Flammability Limits in Air		No data available	
Upper Flammability Limit		No information available	
Lower Flammability Limit		No information available	
Vapor pressure information available		No	
Vapor Density information available		No	
Specific gravity		1.1	
Solubility in Other Solvents	No information available		
Partition coefficient:			
n-octanol/water	No information available		
Auto-ignition Temperature	No Data Available		
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		
<u>OTHER INFORMATION</u>	No information available		
Softening point	No information available. 9.2		
Molecular Weight	VOC Content(%)density		

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

Chromium(III) Compounds.

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.

Chemical Name	LOSO Oral	LOSO Dermal	LC50 Inhalation
GLYCOL ETHER PM ALCOHOL	5200 mg/kg (Rat)	13 g/kg (Rabbit)	54.6 mg/L (Rat) 4 h 24 mg/L (Ra
Proprietary	No Data Available	No Data Available	No Data Available

Information on Toxicological Effects

Symptoms No information available.

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

Sensitization

Germ cell mutagenicity Carcinogenicity - No information available. No information available.

Chemical Name	ACGIH	IARC	NTP	OSHA
Proprietary		Group 3		

*/ARC : (International Agency for Research on Cancer)
Group 3 - Not Classifiable as to Carcinogenicity in Humans*

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.

Chronic toxicity

Target organ effects

May cause adverse liver effects.

Aspiration Hazard

Blood, Central Nervous System, EYES, Kidney, Liver, Lungs, Respiratory System, skin. No information available.

Numerical Measures of Toxicity - Product information

Unknown Acute Toxicity 36 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) 8125 mg/kg
ATEmix (dermal) 20312 mg/kg

12. Ecological Information

Ecotoxicity

10% of the mixture consists of component(s) of unknown hazards to the aquatic environment

Persistence and Degradability

No information available.

Bioaccumulation

Bioaccumulative Potential.

Other Adverse Effects

No information available

13. Disposal Considerations

Waste treatment

Waste Disposal Methods Should not be released into the environment. Dispose of in accordance with local regulations. 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.

Contaminated Packaging Do not re-use empty containers. Dispose of in accordance with local regulations.

US EPA Waste Number 0001 D007

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	Toxic Corrosive Ignitable

14. TRANSPORT INFORMATION

DOT

Description not regulated if <119 gal in non-bulk, (DOT regs allow reclassification for fp)

TOG

Description not regulated in drums <119 gal (ground)
UN/ID no UN1993,
Proper Shipping Name Flammable liquids, n.o.s.
Hazard class 3
Packing III
group n.o.s. (GLYCOL ETHER PM ALCOHOL), 3, III
Description

I CAO

UN/ID no UN1993
Proper Shipping Name FLAMMABLE LIQUID, N.O.S.
Hazard class 3
Packing group III
Description UN1993, Flammable liquid, n.o.s., 3, III

UN/ID no UN1993
Proper Shipping Name FLAMMABLE LIQUID, N.O.S.
Hazard class 3
Packing group III
Description UN1993, flammable liquid, n.o.s., (glycol ether pm alcohol), 3, PGIII

UN/ID no UN1993
Proper Shipping Name FLAMMABLE LIQUID, N.O.S.
Hazard class 3
Packing group EmS III
No. F-E, S-E
Description UN1993, flammable liquid, n.o.s., (glycol ether pm alcohol), 3, PGIII

UN/ID no UN1993
Proper Shipping Name FLAMMABLE LIQUID, N.O.S.
Hazard class 3
Packing group III F1
Classification Code UN1993, Flammable liquid, n.o.s. (GLYCOL ETHER PMALCOHOL), 3, III
Description

UN/ID no UN1993
Proper Shipping Name FLAMMABLE LIQUID, N.O.S.
Hazard class 3
Packing group III F1 (D/E)
Classification Code UN1993, Flammable liquid, n.o.s. (GLYCOL ETHER PMALCOHOL), 3, III, (D/E)
Tunnel restriction code 3
Description
ADR/RID-Labels

ADN
UN/ID no UN1993
Proper Shipping Name FLAMMABLE LIQUID, N.O.S.
Hazard class 3
Packing group III F1
Classification Code 274, 601, 640E
Special Provisions UN1993, Flammable liquid, n.o.s. (GLYCOL ETHER PMALCOHOL), 3, III 5 L
Description VE01
Limited quantity
Ventilation

15. Regulatory Information

International Inventories

TSCA	Listed
EINECS/ELINCS	Listed
DSL	Listed
NDSL	Not
PICCS	Determined
ENCS	Listed
IECSC	Listed
AICS	Listed
KECL	Listed
NZIoC	Listed
	Not Determined

Legend

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

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

PICCS - Philippines Inventory of Chemicals and Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

AICS - Australian Inventory of Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

NZIoC - New Zealand Inventory of Chemicals

RESTRICTIONS - REACH TITLE VIII No information available

US Federal Regulations

SARA 313

Section 313 of Title 111 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 %
Proprietary	1.0

SARA 311/312 Hazard Categories

Acute health hazard	YES.
Chronic health hazard	NO.
Fire hazard	YES.
Sudden Release of Pressure Hazard	NO.
Reactive Hazard	NO

Clean Water Act

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Proprietary		x		

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
GLYCOL ETHER PM ALCOHOL	x	x	x		
Proprietary		x	x	x	

International regulations

Mexico - Grade Moderate risk, Grade 2.

CANADA

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

83 Combustible liquid



HMIS Health Hazard 2 flammability 2 Physical hazard D PERSONAL PROTECTION H

14. Other Information

Revision Date 28-May-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 Safety Data Sheet