Demulsifier EB
Safety Data Sheet

Issue Date: 01-Aug-2017 **Revision Date:** 01-Oct-2017 **Version** 1

1. IDENTIFICATION

Product Identifier
Product Name DEMULSIFIER EB

Other means of identification
SDS # BELL-233

UN/ID No UN1993

Recommended use of the chemical and restrictions on use
Recommended Use Emulsion breaking fuel additive

Details of the supplier of the safety data sheet
Supplier Address
Bell Performance Inc
1340 Bennett Drive
Longwood, FL 32750

Emergency Telephone Number
Company Phone Number 407-831-5021
Emergency Telephone (24 hr) INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America) CONTRACT #:106344

2. HAZARDS IDENTIFICATION

Appearance Brown **Physical State** Liquid **Odor** Hydrocarbon odor

Classification

Carcinogenicity	Category 2
Skin Irritation	Category 2
Inhalation	Category 3
Flammable Liquids	Category 3

Signal Word
Warning

Hazard Statements
Suspected of causing cancer
Flammable liquid and vapor

Hazard Pictograms

Precautionary Statements - Prevention

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Keep container tightly closed.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ ventilating/ lighting/ equipment. Use only non-sparking tools.
Take precautionary measures against static discharge.
Wear protective gloves/ eye protection/ face protection.
Use personal protective equipment as required.

Precautionary Statements - Response

If exposed or concerned: Get medical advice/attention
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
IN CASE OF FIRE: Use dry sand, dry chemical, or alcohol-resistant foam for extinction.

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.

Other Hazards

None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
2-Ethylhexanol	104-76-7	45-60%
Naphthalene	91-20-3	< 10%
Naphtha (petroleum), heavy aromatic	64742-94-5	5-15%
1,2,4-Trimethylbenzene	95-63-6	< 10%
Kerosene	8008-20-6	5-15%
Ethylbenzene	100-41-4	< 5%

4. FIRST-AID MEASURES

First Aid Measures

Eye Contact Rinse immediately with plenty of water. Get medical attention if symptoms occur.

Skin Contact Wash off with soap and plenty of water. If irritation persists, seek medical attention.

Inhalation Get medical attention if symptoms occur.

Ingestion Do not induce vomiting. Rinse mouth. Get medical attention if symptoms occur.

Protection of first-aiders In event of emergency, assess the danger before taking action. Do not put yourself at risk of injury. If in doubt, contact emergency responders. Use person protective equipment as required.

Most important symptoms and effects

Symptoms See Section 11 for more detailed information on health effects and symptoms.

Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media
High volume water jet

Specific Hazards Arising from the Chemical
Fire Hazard
Keep away from heat and sources of ignition.
Flash back possible over considerable distance.
Beware of vapours accumulating to form explosive concentrations.
Vapours can accumulate in low areas.

Hazardous Combustion Products
Carbon oxides.

Protective equipment and precautions for firefighters
Use personal protective equipment.

Specific Extinguishing Methods
Use water spray to cool unopened containers. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Remove all sources of ignition. Refer to protective measures listed in Sections 7 & 8.

Environmental Precautions Do not allow contact with soil, surface or ground water.

Methods and material for containment and cleaning up
Eliminate all ignition sources if safe to do so. Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

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 vapours). Keep away from fire, sparks and heated surfaces. Wash hands thoroughly after handling. Use only with adequate ventilation.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep away from heat and sources of ignition. Keep in a cool, well-ventilated place. Keep away from oxidizing agents. Keep out of reach of children. Keep container tightly closed. Store in suitable labeled containers.

Unsuitable Materials Buna-N, EPDM, Ethylene propylene, HDPE (high density polyethylene), Neoprene, PVC, Polyurethane, Polypropylene, Polyethylene, Rubber, Polytetrafluoroethylene/polypropylene copolymer, Chlorosulfonated polyethylene rubber

Suitable Materials Stainless Steel 304, Stainless Steel 316L, Carbon Steel C1018, Aluminum, Brass, Copper, Hastelloy C-276, PTFE, Surface fluorinated polyethylene, Fluoroelastomer, Perfluoroelastomer, Compatibility with Plastic Materials can vary; we therefore recommend that compatibility is tested prior to use.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
2-Ethylhexanol 104-76-7	TWA: 50 ppm		
Heavy Aromatic Naphtha 64742-94-5		TWA: 500 ppm	
Kerosene 8008-20-6	TWA: 200 mg/m^3	TWA: 500 ppm	TWA: 100 mg/m^3
Naphthalene 91-20-3	STEL: 15 ppm TWA: 10 ppm	TWA: 10 ppm TWA: 50 mg/m^3 (vacated) TWA: 10 ppm (vacated) TWA: 50 mg/m^3 (vacated) STEL: 15 ppm (vacated) STEL: 75 mg/m^3	IDLH: 250 ppm TWA: 10 ppm TWA: 50 mg/m^3 STEL: 15 ppm STEL: 75 mg/m^3
1,2,4-Trimethylbenzene 95-63-6			TWA: 25 ppm
Ethylbenzene 100-41-4	TWA: 20 ppm	TWA: 100 ppm	TWA: 435 mg/m^3

Appropriate engineering controls

Engineering Controls Effective exhaust ventilation system.
Maintain air concentrations below occupational exposure standards.

Individual protection measures, such as personal protective equipment

Eye/Face Protection	Safety glasses
Skin and Body Protection	Wear protective gloves and suitable protective clothying.. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.
Respiratory Protection	When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
General Hygiene Considerations	Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Wash face, hands and any exposed skin thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquid		
Appearance	Brown liquid	**Odor**	Hydrocarbon-like
Color	Brown	**Odor Threshold**	Not determined

Property	**Values**	**Remarks • Method**
pH	Not determined	
Melting Point/Freezing Point	Not determined	
Boiling Point/Boiling Range	158-208 °C / 318-408 °F	
Flash Point	56 °C / 132.8 °F	Pensky-Martens Closed Cup (PMCC)
Evaporation Rate	Not determined	(Ether = 1)
Flammability (Solid, Gas)	Not determined	
Upper Flammability Limits	Not determined	
Lower Flammability Limit	Not determined	
Vapor Pressure	Not determined	
Vapor Density	Not determined	(Air=1)
Specific Gravity	0.97 (15.5 °C)	(1=Water)
Water Solubility	Mostly insoluble	
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Auto-ignition Temperature	Not determined	
Decomposition Temperature	Not determined	
Kinematic Viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	

10. STABILITY AND REACTIVITY

Reactivity
Not reactive under normal conditions.

Chemical Stability
Stable under recommended storage conditions.

Possibility of Hazardous Reactions
None under normal processing.

Conditions to Avoid
Keep out of reach of children. Keep away from sources of ignition such as heat, sparks or open flames.

Incompatible Materials
Contact with strong oxidizers (e.g. chlorine, peroxides, chromates, nitric acid, perchlorate, concentrated oxygen, permanganate) may generate heat, fires, explosions and/or toxic vapors.

Hazardous Decomposition Products
Carbon oxides

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Eye Contact Avoid contact with eyes.

Skin Contact Health injuries are not known or expected under normal use.

Inhalation Health injuries are not known or expected under normal use

Ingestion Harmful if swallowed. Produces methemoglobin.

Information on physical, chemical and toxicological effects

Symptoms No symptoms known or expected.

Product Toxicological Information

Acute oral toxicity Acute toxicity estimate: > 5,000 mg/kg

Acute inhalation toxicity Acute toxicity estimate: > 40 mg/l (Exposure time 4 hr)

Skin corrosion/irritation No data available

Serious eye damage/eye irritation No data available

Respiratory or skin sensitization No data available

Carcinogenicity

Chemical Name	ACGIH	IARC	NTP	OSHA
Naphthalene 91-20-3	X	Group 2B	Reasonably Anticipated	X
Ethylbenzene 100-41-4	X	Group 2B		X

Reproductive effects	No data available
Germ cell mutagenicity	No data available
Teratogenicity	No data available
STOT – single exposure	No data available
STOT – repeated exposure	No data available
Aspiration toxicity	No data available

Components

Acute dermal toxicity	Ethylbenzene – LD50 rabbit: 15,400 mg.kg

12. ECOLOGICAL INFORMATION

Ecotoxicity
Toxic to aquatic life with long lasting effects.

Product Information

Toxicity to fish	LC50 Pimephales promelas (fathead minnow): 5.52 mg/l Exposure time: 96 hrs Test substance: Product NOEC Pimephales promelas (fathead minnow): 2.5 mg/l Exposure time: 96 hrs Test substance: Product LC50 Rainbow Trout: 13.9 mg/l Exposure time: 96 h Test substance: Product
Toxicity to daphnia & other aquatic invertebrates	LC50 Ceriodaphnia dubia: 4.67 mg/l Exposure time: 48 hrs Test substance: Product Test Type: Static NOEC Ceriodaphnia dubia: 2.5 mg/l Exposure time: 48 hrs Test substance: Product Test Type: Static EC50 Daphnia magna: 1.55 mg/l Exposure time: 48 h Test substance: Product Test Type: Static

Component Information

Toxicity to algae	Kerosene – EC50: 5 mg/l (Exposure time 72 hr)

Persistence/Degradability
The organic portion of this product is expected to be inherently biodegradable.

Bioaccumulation
Component substances have a potential to bioaccumulate.

Mobility

The environmental fate was estimated using a level III fugacity model embedded in the EPI (estimation program interface) Suite TM, provided by the US EPA. The model assumes a steady state condition between the total input and output. The level III model does not require equilibrium between the defined media. The information provided is intended to give the user a general estimate of the environmental fate of this product under the defined conditions of the models.

If released into the environment this material is expected to distribute to the air, water and soil/sediment in the approximate respective percentages:

Air: < 5%
Water: 5-10%
Soil: 70-90%

The portion in water is expected to float on the surface.

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes	The product should not be allowed to enter drains, water courses or the soil. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.
Disposal Considerations	Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.
Hazardous Waste	D001, D018

14. TRANSPORT INFORMATION

Note	The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.
DOT	In containers of 119 gallons capacity or less this product is not regulated by DOT
UN/ID No	UN1993
Proper Shipping Name	Flammable liquid, N.O.S. (2-Ethylhexanol)
Hazard Class	3
Packing Group	III
Reportable Quantity (per package)	2,506 lbs
RQ Component	Naphthalene

IATA

UN/ID No	UN1993
Proper Shipping Name	Flammable liquid, N.O.S. (2-Ethylhexanol)
Hazard Class	3
Packing Group	III
Reportable Quantity (per package)	2,506 lbs
RQ Component	Napthalene

IMDG

UN/ID No	UN1993
Proper Shipping Name	Flammable liquid, N.O.S. (2-Ethylhexanol)
Hazard Class	3

Packing Group	III
Marine Pollutant*	Naphthalene

*Note: This product is regulated as a Marine Pollutant when shipped by Rail, Highway (in bulk quantities), or Air (if no other hazard class applies), and when shipped by water in all quantities.

15. REGULATORY INFORMATION

International Inventories

TSCA (United States)	Listed or Exempted
CEPA (Canada)	Listed or Exempted
NICNAS (Australia)	All substances comply
IECSC (China)	Listed or Exempted
EINECS (Europe)	All substances comply
ENCS (Japan)	All substances comply
TCCL (Korea)	All substances comply
HSNO (New Zealand)	All substances comply
PICCS (Philippines)	All substances comply

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

EPCRA – Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Naphthalene 91-20-3	100 lb		2506

SARA 304 Extremely Hazardous Substances Reportable Quantity This material does not contain any components with a section 304 EHS R.Q.

SARA 311/312 Fire Hazard
Chronic Health Hazard

SARA 302 No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 – the following components are subject to reporting levels established by SARA Title III, Section 313:

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values %
Naphthalene - 91-20-3	91-20-3	Proprietary	1 – 5%
1,2,4-Trimethylbenzene	95-63-6	Proprietary	1 – 5%
Ethylbenzene	100-41-4	Proprietary	0.1 – 1%

California Proposition 65

This product contains the following Proposition 65 chemicals.

Chemical Name	California Proposition 65
Naphthalene - 91-20-3	Carcinogen
Ethylbenzene 100-41-4	Carcinogen

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Naphthalene 91-20-3	X	X	X

16. OTHER INFORMATION

NFPA	**Health Hazards**	**Flammability**	**Instability**	**Special Hazards**
	2*	2	0	Not determined
HMIS	**Health Hazards**	**Flammability**	**Physical Hazards**	**Personal Protection**
	Not determined	Not determined	0	Not determined

Issue Date: 01-Aug-2017
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Revision Note: Corrections

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