

## SAFETY DATA SHEET

### Emulsotron® X-815b5

#### Section: 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Emulsotron® X-815b5

Other means of identification : Not applicable.

Recommended use : EMULSION BREAKER

Restrictions on use : Refer to available product literature or ask your local Sales Representative for restrictions on use and dose limits.

Company : Nalco Champion Company  
7705 Highway 90-A  
Sugar Land, Texas 77478  
USA  
TEL: (281) 263-7000

Emergency telephone number : (800) 424-9300 (24 Hours) CHEMTREC

Issuing date : 05/29/2015

#### Section: 2. HAZARDS IDENTIFICATION

##### GHS Classification

Flammable liquids : Category 2

Acute toxicity (Oral) : Category 4

Acute toxicity (Inhalation) : Category 4

Skin irritation : Category 2

Eye irritation : Category 2A

Germ cell mutagenicity : Category 1B

Carcinogenicity : Category 1B

Reproductive toxicity : Category 2

Specific target organ toxicity - single exposure : Category 2 (Eyes)

Specific target organ toxicity - single exposure : Category 3 (Central Nervous System)

Specific target organ toxicity - repeated exposure : Category 2

Aspiration hazard : Category 1

##### GHS Label element

Hazard pictograms :





Signal Word : Danger

Hazard Statements : Highly flammable liquid and vapour.  
Harmful if swallowed or if inhaled.  
May be fatal if swallowed and enters airways.  
Causes skin irritation.  
Causes serious eye irritation.

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May cause drowsiness or dizziness.  
May cause genetic defects.  
May cause cancer.  
Suspected of damaging fertility or the unborn child.  
May cause damage to organs (Eyes).  
May cause damage to organs through prolonged or repeated exposure.

#### 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. Do not breathe dust/fume/gas/mist/vapours/spray. Wash skin thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear protective gloves/ eye protection/ face protection. Use personal protective equipment as required.

##### **Response:**

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF exposed or concerned: Get medical advice/attention. Rinse mouth. Do NOT induce vomiting. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/ attention. Take off contaminated clothing and wash before reuse. In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.

##### **Storage:**

Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up.

##### **Disposal:**

Dispose of contents/ container to an approved waste disposal plant.

#### Other hazards

: None known.

### Section: 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Pure substance/mixture

: Mixture

Chemical Name	CAS-No.	Concentration: (%)
Toluene	108-88-3	10 - 30
Light Aliphatic Naphtha	64742-89-8	10 - 30
Light Aromatic Naphtha	64742-95-6	10 - 30
1,2,4-Trimethylbenzene	95-63-6	5 - 10
Methanol	67-56-1	5 - 10
Heavy Aromatic Naphtha	64742-94-5	5 - 10
Oxyalkylated Polymer	Proprietary	1 - 5
Naphthalene	91-20-3	0.1 - 1
Cumene	98-82-8	0.1 - 1

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#### Section: 4. FIRST AID MEASURES

In case of eye contact	: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention.
In case of skin contact	: Wash off immediately with plenty of water for at least 15 minutes. Use a mild soap if available. Get medical attention if irritation develops and persists.
If swallowed	: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Aspiration hazard if swallowed - can enter lungs and cause damage. Get medical attention immediately.
If inhaled	: Remove to fresh air. Treat symptomatically. Get medical attention.
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 personal protective equipment as required.
Notes to physician	: Treat symptomatically.
Most important symptoms and effects, both acute and delayed	: See Section 11 for more detailed information on health effects and symptoms.

#### Section: 5. FIREFIGHTING 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 during firefighting	: 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	: Decomposition products may include the following materials: Carbon oxides
Special protective equipment 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.

#### Section: 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	: Ensure adequate ventilation. Remove all sources of ignition. Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.
Environmental precautions	: Do not allow contact with soil, surface or ground water.

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Methods and materials 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). For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Do not flush into surface water or sanitary sewer system.

#### Section: 7. HANDLING AND STORAGE

Advice on safe handling : Avoid contact with skin and eyes. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). Do not ingest. Keep away from fire, sparks and heated surfaces. Contents under pressure. Do not breathe dust/fume/gas/mist/vapours/spray. Wash hands thoroughly after handling. Use only with adequate ventilation.

Conditions for safe storage : 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.

Suitable material : Keep in properly labelled containers.

Unsuitable material : not determined

#### Section: 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

##### Components with workplace control parameters

Components	CAS-No.	Form of exposure	Permissible concentration	Basis
Toluene	108-88-3	TWA	20 ppm	ACGIH
		TWA	100 ppm 375 mg/m <sup>3</sup>	NIOSH REL
		STEL	150 ppm 560 mg/m <sup>3</sup>	NIOSH REL
		TWA	200 ppm	OSHA/Z2
		CEIL	300 ppm	OSHA/Z2
		Peak	500 ppm	OSHA/Z2
Light Aliphatic Naphtha	64742-89-8	TWA	500 ppm 2,000 mg/m <sup>3</sup>	OSHA Z1
Light Aromatic Naphtha	64742-95-6	TWA	500 ppm 2,000 mg/m <sup>3</sup>	OSHA Z1
		TWA	200 mg/m <sup>3</sup>	ACGIH
1,2,4-Trimethylbenzene	95-63-6	TWA	25 ppm 125 mg/m <sup>3</sup>	NIOSH REL
Methanol	67-56-1	TWA	200 ppm	ACGIH
		STEL	250 ppm	ACGIH
		TWA	200 ppm 260 mg/m <sup>3</sup>	NIOSH REL
		STEL	250 ppm 325 mg/m <sup>3</sup>	NIOSH REL

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		TWA	200 ppm 260 mg/m <sup>3</sup>	OSHA Z1
Heavy Aromatic Naphtha	64742-94-5	TWA	500 ppm 2,000 mg/m <sup>3</sup>	OSHA Z1
		TWA	200 mg/m <sup>3</sup>	ACGIH
Naphthalene	91-20-3	TWA	10 ppm	ACGIH
		TWA	10 ppm 50 mg/m <sup>3</sup>	NIOSH REL
		STEL	15 ppm 75 mg/m <sup>3</sup>	NIOSH REL
		TWA	10 ppm 50 mg/m <sup>3</sup>	OSHA Z1
Cumene	98-82-8	TWA	50 ppm	ACGIH
		TWA	50 ppm 245 mg/m <sup>3</sup>	NIOSH REL
		TWA	50 ppm 245 mg/m <sup>3</sup>	OSHA Z1

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

#### Personal protective equipment

Eye protection : Safety glasses with side-shields

Hand protection : Wear protective gloves.  
Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

Skin protection : Wear suitable protective clothing.

Respiratory protection : When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Hygiene measures : 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.

#### Section: 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid  
Colour : amber  
Odour : hydrocarbon-like  
Flash point : -6.1 °C  
Method: Tag closed cup

pH : 4.0 - 6.8, 10 %  
75/25:IPA/H<sub>2</sub>O

Odour Threshold : no data available

Melting point/freezing point : pour point: -40 °C

Initial boiling point and boiling range : no data available

Evaporation rate : no data available

Flammability (solid, gas) : no data available

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Upper explosion limit	: no data available
Lower explosion limit	: no data available
Vapour pressure	: no data available
Relative vapour density	: no data available
Relative density	: 0.8275 - 0.8675 (23.9 °C)
Density	: 0.8167 - 0.8565 g/cm <sup>3</sup>
Water solubility	: insoluble
Solubility in other solvents	: no data available
Partition coefficient: n-octanol/water	: no data available
Auto-ignition temperature	: no data available
Thermal decomposition temperature	: no data available
Viscosity, dynamic	: 5 - 7 mPa.s (23.9 °C)
Viscosity, kinematic	: 4.6 mm <sup>2</sup> /s (40 °C)
VOC	: no data available

### Section: 10. STABILITY AND REACTIVITY

Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No dangerous reaction known under conditions of normal use.
Conditions to avoid	: Heat, flames and sparks.
Incompatible materials	: Oxidizing agents
Hazardous decomposition products	: Decomposition products may include the following materials: Carbon oxides

### Section: 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure	: Inhalation, Eye contact, Skin contact
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#### Potential Health Effects

Eyes	: Causes serious eye irritation.
Skin	: Causes skin irritation. May cause numbness, weakness, shooting pain in stomach and/or extremities, and blindness.
Ingestion	: Harmful if swallowed. May be fatal if swallowed and enters airways. May cause numbness, weakness, shooting pain in stomach and/or extremities, and blindness.
Inhalation	: Harmful if inhaled. Inhalation may cause central nervous system effects. High vapor concentrations can cause headaches, dizziness, drowsiness, and nausea and may lead to unconsciousness.

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Chronic Exposure : May cause cancer. Suspected of damaging fertility or the unborn child. May cause damage to organs. May cause damage to organs through prolonged or repeated exposure. May cause genetic defects.

#### Experience with human exposure

Eye contact : Redness, Pain, Irritation

Skin contact : Redness, Irritation

Ingestion : Vomiting

Inhalation : Dizziness, Drowsiness

#### Toxicity

##### Product

Acute oral toxicity : Acute toxicity estimate : 859.97 mg/kg

Acute inhalation toxicity : Acute toxicity estimate : 18.7 mg/l  
Exposure time: 4 h

Acute dermal toxicity : Acute toxicity estimate : 4,338 mg/kg

Skin corrosion/irritation : no data available

Serious eye damage/eye irritation : no data available

Respiratory or skin sensitization : no data available

#### Carcinogenicity

##### IARC

##### **Group 2B: Possibly carcinogenic to humans**

Light Aromatic Naphtha	64742-95-6
Naphthalene	91-20-3
Cumene	98-82-8

OSHA : No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

##### NTP

##### **Reasonably anticipated to be a human carcinogen**

Naphthalene	91-20-3
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Reproductive effects : no data available

Germ cell mutagenicity : no data available

Teratogenicity : no data available

STOT - single exposure : no data available

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STOT - repeated exposure : no data available

Aspiration toxicity : no data available

#### Section: 12. ECOLOGICAL INFORMATION

##### Ecotoxicity

Environmental Effects : Toxic to aquatic life.  
Harmful to aquatic life with long lasting effects.

##### Components

Toxicity to fish : Methanol  
LC50 : 15,400 mg/l  
Exposure time: 96 h

Heavy Aromatic Naphtha  
LC50 Oncorhynchus mykiss (rainbow trout): 3.5 mg/l  
Exposure time: 96 h

##### Components

Toxicity to daphnia and other aquatic invertebrates : Methanol  
EC50 : > 10,000 mg/l  
Exposure time: 48 h

##### Components

Toxicity to algae : Toluene  
EC50 Chlamydomonas angulosa: 134 mg/l  
Exposure time: 3 h

Methanol  
EC50 : 22,000 mg/l  
Exposure time: 72 h

##### Components

Toxicity to bacteria : Toluene  
EC50 Nitrosomonas Sp.: 84 mg/l  
Exposure time: 24 h

Methanol  
> 1,000 mg/l

##### Components

Toxicity to fish (Chronic toxicity) : Toluene  
NOEC: 1.39 mg/l  
Exposure time: 40 d  
Species: Coho Salmon

Methanol  
NOEC: 7,900 mg/l  
Exposure time: 8.3 d

##### Components

Toxicity to daphnia and other aquatic invertebrates : Toluene  
NOEC: 0.74 mg/l



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(Chronic toxicity)

Exposure time: 7 d  
Species: Ceriodaphnia dubia

#### Persistence and degradability

no data available

#### Mobility

no data available

#### Bioaccumulative potential

no data available

#### Other information

no data available

### Section: 13. DISPOSAL CONSIDERATIONS

Disposal methods : 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.

### Section: 14. TRANSPORT INFORMATION

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

#### Land transport (DOT)

The presence of an RQ component (Reportable Quantity for U.S. EPA and DOT) in this product causes it to be regulated with an additional description of RQ for road, or as a class 9 for road and air, ONLY when the net weight in the package exceeds the calculated RQ for the product.

Proper shipping name : FLAMMABLE LIQUID, N.O.S.  
Technical name(s) : Toluene, Methanol  
UN/ID No. : UN 1993  
Transport hazard class(es) : 3  
Packing group : II  
Reportable Quantity (per package) : 4,244 lbs  
RQ Component : Toluene

#### Air transport (IATA)

The presence of an RQ component (Reportable Quantity for U.S. EPA and DOT) in this product causes it to be regulated with an additional description of RQ for road, or as a class 9 for road and air, ONLY when the net weight in the package exceeds the calculated RQ for the product.

Proper shipping name : FLAMMABLE LIQUID, N.O.S.  
Technical name(s) : Toluene, Methanol

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UN/ID No. : UN 1993  
Transport hazard class(es) : 3  
Packing group : II  
Reportable Quantity (per package) : 4,244 lbs  
RQ Component : Toluene

#### Sea transport (IMDG/IMO)

Proper shipping name : FLAMMABLE LIQUID, N.O.S.  
Technical name(s) : Toluene, Methanol  
UN/ID No. : UN 1993  
Transport hazard class(es) : 3  
Packing group : II

### Section: 15. REGULATORY INFORMATION

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

##### CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
Toluene	108-88-3	1000	4244

##### SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

**SARA 311/312 Hazards** : Fire Hazard  
Acute Health 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:

Toluene	108-88-3	10 - 30 %
1,2,4-Trimethylbenzene	95-63-6	5 - 10 %
Methanol	67-56-1	5 - 10 %
Naphthalene	91-20-3	0.1 - 1 %

#### California Prop 65

WARNING! This product contains a chemical known to the State of California to cause cancer.

Naphthalene	91-20-3
Cumene	98-82-8

WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

Toluene	108-88-3
Methanol	67-56-1

INTERNATIONAL CHEMICAL CONTROL LAWS :

TOXIC SUBSTANCES CONTROL ACT (TSCA)  
On TSCA Inventory

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CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA)  
All components of this product are on the Canadian DSL.

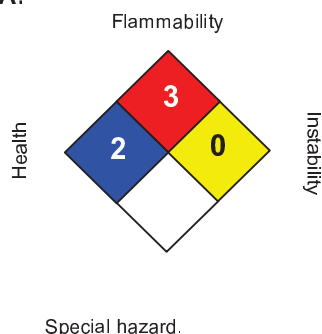
AUSTRALIA  
On the inventory, or in compliance with the inventory

CHINA  
On the inventory, or in compliance with the inventory

NEW ZEALAND  
Not in compliance with the inventory

### Section: 16. OTHER INFORMATION

#### NFPA:



#### HMIS III:

HEALTH	2*
FLAMMABILITY	3
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight,  
2 = Moderate, 3 = High  
4 = Extreme, \* = Chronic

Revision Date : 05/29/2015  
Version Number : 1.1  
Prepared By : Regulatory Affairs

REVISED INFORMATION: Significant changes to regulatory or health information for this revision is indicated by a bar in the left-hand margin of the SDS.

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.  
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