

## SAFETY DATA SHEET

OSHA HCS (29 CFR 1910.1200)

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**Product identifier**

Chemical Name	Mixture
Trade name	NAXAN® EB123X
CAS No.	Mixture

**Relevant identified uses of the substance or mixture and uses advised against**

Identified use(s)	Demulsifier / Emulsion breaker
Uses advised against	None

**Details of the supplier of the safety data sheet**

Company Identification	Nease Co. LLC 10740 Paddys Run Road Harrison, OH 45030
Telephone	(513) 738-1255
Telephone (Product Information)	(888) 762-7373
Fax	(513) 587-2828
E-Mail (competent person)	techservice@neaseco.com

**Emergency telephone number**

Emergency Phone No.	(513) 738-1255 CHEMTREC 24 hr. (800) 424-9300
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### SECTION 2: HAZARDS IDENTIFICATION

**Classification of the substance or mixture**

OSHA HCS (29 CFR 1910.1200)	Flam. Liq. 3; Skin Corr. 1B; Eye Dam. 1; Met. Corr. 1; Carc. 2; Asp. Tox. 1
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**Label elements**

Hazard Symbol



**DANGER**

Signal word(s)

Hazard statement(s)

Flammable liquid and vapour.  
Causes severe skin burns and eye damage.  
May be corrosive to metals.  
Suspected of causing cancer.  
May be fatal if swallowed and enters airways.

Precautionary statement(s)

Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Do not breathe dust/fume/gas/mist/vapours/spray.  
Wear protective gloves/protective clothing/eye protection/face protection.  
IF SWALLOWED: rinse mouth. Do NOT induce vomiting.  
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If irritation (redness, rash, blistering) develops, get medical attention.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.

**Other hazards**

Toxic to aquatic life. Toxic to aquatic life with long lasting effects. Not classified as PBT or vPvB.

**Additional Information**

None

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Composition/information on ingredients	%W/W	CAS No.	Hazard statement(s)
Napthalenesulfonic acid, bis(1-methylethyl)-, me derives.	>50%	99811-86-6	Causes severe skin burns and eye damage. Harmful to aquatic life.
Naphthalene	<5%	91-20-3	Harmful if swallowed. Flammable solid. Suspected of causing cancer. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.
Sulfuric acid	<7%	7664-93-9	Causes severe skin burns and eye damage.
Distillates (petroleum), catalytic reformer fractionator residue, low boiling	<40%	68477-31-6	Suspected of causing cancer.
Xylene	<15%	1330-20-7	Flammable liquid and vapour. Causes eye irritation. Causes skin irritation. May be fatal if swallowed and enters airways. May cause respiratory irritation.

Additional Information –None

## SECTION 4: FIRST AID MEASURES



**Description of first aid measures**

Inhalation	Remove to fresh air and keep at rest in a position comfortable for breathing. If breathing is laboured, administer oxygen. If symptoms occur obtain medical attention.
Skin Contact	Wash affected skin with plenty of water. Remove contaminated clothing immediately. If irritation (redness, rash, blistering) develops, get medical attention.
Eye Contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.
Ingestion	If ingested, rinse mouth. Do not induce vomiting. Seek medical treatment.
<b>Most important symptoms and effects, both acute and delayed</b>	Causes severe skin burns and eye damage.
<b>Indication of any immediate medical attention and special treatment needed</b>	None

## SECTION 5: FIRE-FIGHTING MEASURES

**Extinguishing media**

-Suitable Extinguishing Media	Extinguish with waterspray, dry chemical, sand or carbon dioxide or foam.
-Unsuitable Extinguishing Media	None anticipated.

**Special hazards arising from the substance or mixture**

None anticipated.

**Advice for fire-fighters**

Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

Put on protective equipment before entering danger area.

**Environmental precautions**

Do not allow to enter drains, sewers or watercourses.

**Methods and material for containment and cleaning up**

Contain spillages with sand, earth or any suitable adsorbent material. Cautiously neutralize remainder. Carefully collect remainder.

**Reference to other sections  
Additional Information**

None  
None

## SECTION 7: HANDLING AND STORAGE

**Precautions for safe handling**

Do not get in eyes, on skin, or on clothing.

**Conditions for safe storage, including any incompatibilities**

-Storage Temperature

Store at room temperature.

-Incompatible materials

Attacks many materials and clothing. Keep away from oxidising agents. Keep container tightly closed and dry.

**Specific end use(s)**

Demulsifier / Emulsion breaker

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters**

**Occupational exposure limits**

SUBSTANCE.	CAS No.	LTEL (8 hr TWA ppm)		STEL (ppm)		Note:
		PEL (OSHA)	TLV (ACGIH)	PEL (OSHA)	TLV (ACGIH)	
Naphthalene	91-20-3	10	10	15	---	
Sulfuric acid	7664-93-9	1 mg/m <sup>3</sup>	0.2 mg/m <sup>3</sup> (T)	----	----	(T)Thoracic fraction
Xylene	1330-20-7	100 ppm	100 ppm	----	150 ppm	----

**Recommended monitoring method**

NIOSH 1550 (Naphthas); NIOSH 7903 (Inorganic acids); NIOSH 1501 (Hydrocarbons, Aromatic)

**Exposure controls**

**Appropriate engineering controls**

Provide adequate ventilation to ensure that the occupational exposure limit is not exceeded.

**Personal protection equipment**

Eye/face protection



The following to be used as necessary: Goggles giving complete protection to eyes. Full face shield.

Skin protection (Hand protection/ Other)



The following to be used as necessary: Gloves (Neoprene, Butyl rubber, or Natural rubber). Chemical protection suit. Wear safety or chemical resistant shoes or boots. Check with protective equipment manufacturer's data.

Respiratory protection



No personal respiratory protective equipment normally required.

Thermal hazards

Use gloves with insulation for thermal protection, when needed.

**Environmental Exposure Controls**

Do not allow to enter drains, sewers or watercourses.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Black
Odour	Acidic / Sulfurous.
Odour Threshold (ppm)	Not available.
pH (Value)	<2 (conc. % w/w: 5)
Melting Point (°C) / Freezing Point (°C)	May solidify at 10.6 °C
Boiling point/boiling range (°C):	210
Flash Point (°C)	27 (81 °F [Xylene])
Evaporation rate (butyl acetate=1)	Not available.
Flammability (solid, gas)	Not applicable.
Explosive limit ranges	Not available.
Vapour Pressure (Pascal)	<0.1 kPa at 20°C (sulphuric acid)
Vapour Density (Air=1)	3.4 (sulphuric acid).
Density (g/ml)	1.12 g/cm <sup>3</sup> (20 °C)
Solubility (Water)	Soluble
Solubility (Other)	Not available.
Partition Coefficient (n-Octanol/water)	Not available.
Auto Ignition Temperature (°C)	Not available.
Decomposition Temperature (°C)	Not available.
Kinematic Viscosity (cSt) @ 40°C	<20.5
Explosive properties	Not available
Oxidising properties	Not oxidising.

**Other information**

Not available.

## SECTION 10: STABILITY AND REACTIVITY

<b>Reactivity</b>	Stable under normal conditions.
<b>Chemical stability</b>	Stable.
<b>Possibility of hazardous reactions</b>	None anticipated.
<b>Conditions to avoid</b>	Avoid contact with heat and ignition sources. Incompatible materials
<b>Incompatible materials</b>	Reacts with oxidizers and acids.
<b>Hazardous Decomposition Product(s)</b>	Carbon monoxide, Carbon dioxide, Sulphur oxides,

## SECTION 11: TOXICOLOGICAL INFORMATION

**Exposure routes:** Inhalation, Skin Contact, Eye Contact

**Substances in preparations / mixtures**

Napthalenesulfonic acid, bis(1-methylethyl)-, me derives. (CAS No. 99811-86-6) - By analogy with similar materials:

<b>Acute toxicity</b>	Oral: LD50 = 1400 - 6000 mg/kg-bw
<b>Irritation/Corrosivity</b>	Corrosive (Skin and Eyes)
<b>Sensitization</b>	It is not a skin sensitizer.
<b>Repeated dose toxicity</b>	NOAEL: > 1835 mg/kg bw/day (28 days, oral, rat)

**Carcinogenicity**

It is unlikely to present a carcinogenic hazard to man.

NTP	IARC	ACGIH	OSHA	NIOSH
No.	No.	No.	No.	No.

**Mutagenicity**

There is no evidence of mutagenic potential.

**Toxicity for reproduction**

No effects to the reproductive system.

Naphthalene (CAS No. 91-20-3)

**Acute toxicity**

Oral: LD50 > 490 mg/kg-bw (rat)  
 Oral: LD50 = 533 mg/kg-bw (mice)  
 Oral: LD50 = 1200 mg/kg-bw (guinea pig)  
 Oral: LDL = 100 mg/kg-bw (child)  
 Oral: LDL = 400 mg/kg-bw (dog)  
 Dermal: No data  
 Inhalation: LC50 > 0.4 mg/l (4 hr, rat)

**Irritation/Corrosivity**

Not Irritating to skin or eye.

**Sensitization**

No data.

**Repeated dose toxicity**

No data.

**Carcinogenicity**

Studies in animals have shown that repeated exposures produce carcinogenic effects.

NTP	IARC	ACGIH	OSHA	NIOSH
Group A4	Group 2B	Group A4	No.	No.

**Mutagenicity**

There is no evidence of mutagenic potential.

**Toxicity for reproduction**

NOAEL: 20 mg/m<sup>3</sup> (rabbit) (New Zealand White)  
 NOEL: 20 mg/m<sup>3</sup> (rabbit) (New Zealand White)

Sulfuric acid (CAS No. 7664-93-9)

**Acute toxicity**

Oral: LD50 = 2140 mg/kg-bw (rat)  
 Dermal: No data  
 Inhalation: LC50 = 0.37-0.42 mg/l (rat)

**Irritation/Corrosivity**

Corrosive (Skin and Eyes)

**Sensitization**

Skin sensitization has been reported in humans.

**Repeated dose toxicity**

No data.

**Carcinogenicity**

NOAEL (rat): ≥ 240 mg/kg (Fischer 344)

NTP	IARC	ACGIH	OSHA	NIOSH
Listed	Group 1	Group 2A	No.	No.

**Mutagenicity**

There is no evidence of mutagenic potential.

**Toxicity for reproduction**

NOAEL: 20 mg/m<sup>3</sup> (rabbit) (New Zealand White)  
 NOEL: 20 mg/m<sup>3</sup> (rabbit) (New Zealand White)

Distillates (petroleum), catalytic reformer fractionator residue, low boiling (CAS No. 68477-31-6) - By analogy with similar materials:

**Acute toxicity**

Oral: LD50 = 3192 mg/kg-bw (calculated from mixture ; mouse)  
 Dermal: LC50 = 26263 mg/l (calculated from mixture ; rat)

**Irritation/Corrosivity**

Irritating to eyes and skin.

**Sensitization**

No data

**Repeated dose toxicity**

No data.

**Carcinogenicity**

Suspected of causing cancer (Naphthalene [CAS No. 91-20-3])

NTP	IARC	ACGIH	OSHA	NIOSH
Group A4	Group 2B	Group A4	No.	No.

-Studies in animals have shown that repeated doses of Naphthalene (CAS No. 91-20-3) produce carcinogenic effects.

**Mutagenicity** There is no evidence of mutagenic potential.  
**Toxicity for reproduction** None anticipated

Xylenes (CAS No.1330-20-7)

**Acute toxicity** Oral LD50 = 3520 mg/kg (rat)  
 Dermal LD50 >5000 mg/kg (rabbit)  
 Inhalation LC50 = 27.6 mg/L (4 hour(s)) (rat) - Vapours may cause drowsiness and dizziness. May cause respiratory irritation.

**Irritation / Corrosivity** Causes eye irritation. Causes skin irritation. Repeated exposure may cause skin dryness or cracking.

**Sensitisation** It is not a skin sensitiser.  
**Repeated dose toxicity** Oral NOAEL = 900 mg/kg/day (rat) (90-days)  
 Inhalation NOAEL ≥ 19,000 ppm (rat)

**Carcinogenicity** Not to be expected

NTP	IARC	ACGIH	OSHA
No.	No.	No.	No.

**Mutagenicity** Not to be expected

**Toxicity for reproduction** Not to be expected

## SECTION 12: ECOLOGICAL INFORMATION

### Substances in preparations / mixtures

Naphthalenesulfonic acid, bis(1-methylethyl)-, me derives. (CAS No. 99811-86-6) - (By analogy with similar materials)

**Short term** LC50 (96 hour): 5300 mg/l (*Leuciscus idus*)  
 EC50 (48 hour): 34 mg/l (*Daphnia magna*, mobility)  
 EC50 (96 hour): 74.4 mg/l (*Scenedesmus subspicatus*)

**Long Term** Not available

**Persistence and degradability** Readily biodegradable.

**Bioaccumulative potential** Not available.

**Mobility in soil** The substance has high mobility in soil.

**Results of PBT and vPvB assessment** Not classified as PBT or vPvB.

Naphthalene (CAS No. 91-20-3)

**Short term** LC50 (96 hour) = 0.958 mg/l (*Oncorhynchus gorbusha*)  
 LC50 (48 hour) = 2.16 mg/l (*Daphnia magna*)  
 EC50 (24 hour) = 29 mg/l (*Nitrosomonas*)

**Long Term** NOEC (4 days) = 2.78 mg/l (*Gadus morrhua*)  
 NOEC (125 days) = 0.59 mg/l (*Daphnia pulex*)

**Persistence and degradability** The product is not biodegradable.

**Bioaccumulative potential** The product has low potential for bioaccumulation.

**Mobility in soil** The product is predicted to have low mobility in soil.

**Results of PBT and vPvB assessment** Not classified as PBT or vPvB.

**Other adverse effects** None known.

Sulphuric acid (CAS No. 7664-93-9)

**Short term** LC50 (96 hour): 42.0 mg/l (96 hour) (*Gambusia affinis*)  
 EC50 (24 hour): 29.0 mg/l (*Daphnia magna*)  
 EC50 (48 hour): 29 mg/l (*Pandalus montagui*)

**Long Term** Scientifically unjustified

Persistence and degradability  
 Bioaccumulative potential  
 Mobility in soil  
 Results of PBT and vPvB assessment  
 Other adverse effects

Not readily biodegradable.  
 The substance has no potential for bioaccumulation.  
 The substance has high mobility in soil.  
 Not classified as PBT or vPvB.  
 None known.

## SECTION 13: DISPOSAL CONSIDERATIONS

### Waste treatment methods

Disposal should be in accordance with local, state or national legislation. Consult an accredited waste disposal contractor or the local authority for advice.

### Additional Information

None known.

## SECTION 14: TRANSPORT INFORMATION

	Land transport (U.S. DOT)	Sea transport (IMDG)	Air transport (ICAO/IATA)
UN number	2920	2920	2920
Proper Shipping Name	Corrosive liquid, flammable, n.o.s. (alkylnaphthalene sulfonic acid, sulfuric acid, xylene)	Corrosive liquid, flammable, n.o.s. (alkylnaphthalene sulfonic acid, sulfuric acid, xylene)	Corrosive liquid, flammable, n.o.s. (alkylnaphthalene sulfonic acid, sulfuric acid, xylene)
Transport hazard class(es)	8(3)	8(3)	8(3)
Packing group	II	II	II
Hazard label(s)	Corrosive, Flammable	Corrosive, Flammable	Corrosive, Flammable
Environmental hazards	No	No	No
Special precautions for user	None known.	None known.	None known.

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not established.

## SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture:

TSCA (Toxic Substance Control Act) - Inventory Status: On active TSCA list

Canada Domestic Substance List (DSL): Listed

Designated Hazardous Substances and Reportable Quantities (40 CFR 302.4):

Chemical Name	CAS No.	Typical %wt.	RQ (Pounds)
Sulfuric acid	7664-93-9	>65%	1,000
Xylene	1330-20-7	5 - 10	100

SARA 311/312 - Hazard Categories:

Fire     Sudden Release     Reactivity     Immediate (acute)     Chronic (delayed)

SARA 313 - Toxic Chemicals (40 CFR 372):

Chemical Name	CAS No.	Typical %wt.
Sulfuric acid	7664-93-9	<5%
Naphthalene	91-20-3	<5%
Xylene	1330-20-7	5 - 10

SARA 302 - Extremely Hazardous Substances(40 CFR 355):

Chemical Name	CAS No.	Typical %wt.
Sulfuric acid	7664-93-9	<5%

## SECTION 16: OTHER INFORMATION

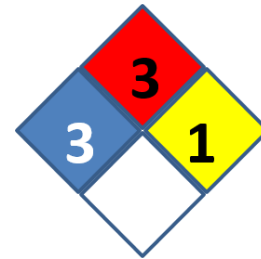
The following sections contain revisions or new statements: 15

Date of preparation: December 5, 2019

Additional Information:

<b>HEALTH</b>	3
<b>FLAMMABILITY</b>	3
<b>PHYSICAL HAZARD</b>	1
Personal Protection <b>D</b> 	

**HMS (Hazardous Material Information System)**



**NFPA (National Fire Protection Association)**

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