

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.
Most important symptoms and effects, both acute and delayed	Causes severe skin burns and eye damage.
Indication of any immediate medical attention and special treatment needed	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 ³	0.2 mg/m ³ (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 ³ (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

Reactivity	Stable under normal conditions.
Chemical stability	Stable.
Possibility of hazardous reactions	None anticipated.
Conditions to avoid	Avoid contact with heat and ignition sources. Incompatible materials
Incompatible materials	Reacts with oxidizers and acids.
Hazardous Decomposition Product(s)	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:

Acute toxicity	Oral: LD50 = 1400 - 6000 mg/kg-bw
Irritation/Corrosivity	Corrosive (Skin and Eyes)
Sensitization	It is not a skin sensitizer.
Repeated dose toxicity	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/m³ (rabbit) (New Zealand White)
 NOEL: 20 mg/m³ (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/m³ (rabbit) (New Zealand White)
 NOEL: 20 mg/m³ (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

Napthalenesulfonic 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: All components listed or polymer exempt.

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

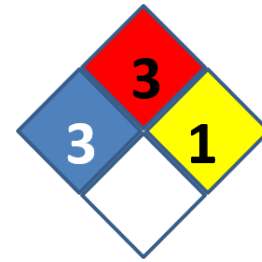
The following sections contain revisions or new statements: 1-16.

Date of preparation: January 31, 2015

Additional Information:

HEALTH		3
FLAMMABILITY		3
PHYSICAL HAZARD		1
Personal Protection D 		

HMIS (Hazardous Material Information System)



NFPA (National Fire Protection Association)

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