

## SAFETY DATA SHEET

OSHA HCS (29 CFR 1910.1200)

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**Product identifier**

Chemical Name	Mixture
Trade Name	NAXAN® DIA
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)	Skin Corr. 1C; Eye Dam. 1; Met. Corr. 1
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**Label elements**

Hazard Symbol



**DANGER**

Signal Word(s)

Hazard Statement(s)

Causes severe skin burns and eye damage.  
May be corrosive to metals.

Precautionary Statement(s)

Do not breathe dust/fume/gas/mist/vapors/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 attention.

**Other hazards**

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

**Additional Information**

None

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredient(s)	%W/W	CAS No.	Hazard Statement(s)
Diisopropyl-naphthalenesulfonic acid	45 - 55%	28757-00-8	Causes severe skin burns and eye damage. Harmful to aquatic life.
Sulfuric acid	2 - 5%	7664-93-9	Causes severe skin burns and eye damage.
Diisopropyl-naphthalene	45 - 50%	38640-62-9	May be fatal if swallowed and enters airways. Toxic to aquatic life. Very toxic to aquatic life with long lasting effects.
Water	1 - 4%	7732-18-5	None

Additional Information - None

## SECTION 4: FIRST AID MEASURES



### Description of first aid measures

Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If breathing is labored, 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 medical advice/attention.
Ingestion	Rinse mouth. Do not induce vomiting. Seek medical treatment.

**Most important symptoms and effects, both acute and delayed** None

**Indication of any immediate medical attention and special treatment needed** None

## SECTION 5: FIRE-FIGHTING MEASURES

### Extinguishing Media

-Suitable Extinguishing Media	Extinguish preferably with foam, dry chemical or waterspray.
-Unsuitable Extinguishing Media	Beware dangerous reaction with water if containers ruptured.

**Special hazards arising from the substance or mixture** Susceptible to exothermic reaction with water, alcohols and alkalis.

**Advice for fire-fighters** Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Water spray should be used to cool containers.

## 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. Transfer to a container for disposal or recovery. Cautiously neutralize remainder. Carefully collect remainder.

**Reference to other sections** None

**Additional Information** 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 oxidizing agents. Keep container tightly closed and dry. Susceptible to exothermic reaction with water, alcohols and alkalis.

**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:
		OSHA (PEL)	ACGIH (TLV)	OSHA (PEL)	ACGIH (TLV)	
Sulfuric acid	7664-93-9	1 mg/m <sup>3</sup>	0.2 mg/m <sup>3</sup> <sup>(1)</sup>	----	----	<sup>(1)</sup> Thoracic fraction

**Recommended monitoring method** NIOSH 5043

**Exposure controls**

**Appropriate engineering controls** Local exhaust required.

**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. None anticipated.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

Appearance	Liquid
Color.	Brown
Odor	Slight hydrocarbon
Odor Threshold (ppm)	Not available.
pH (Value)	<2
Melting Point (°C) / Freezing Point (°C)	Not available.
Boiling point/boiling range (°C):	Not available.
Flash Point (°C)	>121 (250 °F)

Evaporation Rate (butyl acetate=1):	<1
Flammability (solid, gas)	Not applicable.
Explosive Limit Ranges	Not available.
Vapor pressure (Pascal)	Not available.
Vapor Density (Air=1)	>1
Density (g/ml)	1.16
Solubility (Water)	Soluble
Solubility (Other)	Not available.
Partition Coefficient (n-Octanol/water)	Not available.
Auto Ignition Point (°C)	Not available.
Decomposition Temperature (°C)	Not available.
Kinematic Viscosity (cSt) @ 40°C	Not available.
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.
<b>Other information</b>	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>	Incompatible materials.
<b>Incompatible materials</b>	Reacts with strong alkalis. Avoid contact with bleach or other hypochlorites. Generates heat of solution when dissolved in water and alcohols.
<b>Hazardous decomposition product(s)</b>	Carbon monoxide, Carbon dioxide, Sulfur oxides, Acrid smoke

## SECTION 11: TOXICOLOGICAL INFORMATION

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

### Substances in preparations / mixtures

Diisopropylnaphthalenesulfonic acid (CAS No. 28757-00-8) - 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)
<b>Carcinogenicity</b>	It is unlikely to present a carcinogenic hazard to man.

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

<b>Mutagenicity</b>	There is no evidence of mutagenic potential.
<b>Toxicity for reproduction</b>	No effects to the reproductive system.

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

<b>Acute toxicity</b>	Oral: LD50 = 2140 mg/kg-bw (rat) Dermal: No data Inhalation: LC50 = 0.37-0.42 mg/l (rat)
<b>Irritation/Corrosivity</b>	Corrosive (Skin and Eyes)
<b>Sensitization</b>	Skin sensitisation has been reported in humans.
<b>Repeated dose toxicity</b>	No data.
<b>Carcinogenicity</b>	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)

Diisopropylnaphthalene (CAS No. 38640-62-9)

**Acute toxicity**

Oral: LD50 = 4130 mg/kg-bw (rat)

Dermal: LD50 > 450 mg/kg-bw (rat)

Inhalation: LC50 = 5.64 mg/l (rat)

**Irritation/Corrosivity**

Not Irritating to eyes and skin.

**Sensitization**

Will not occur

**Repeated dose toxicity**

NOAEL (rat) = 170 mg/kg bw/day (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**

Not to be expected. LOAEC: maternal toxicity: 250 mg/kg

(rat); NOEL: embryotoxicity, fetotoxicity and teratogenicity:

625 mg/kg (rat)

## SECTION 12: ECOLOGICAL INFORMATION

Diisopropylnaphthalenesulfonic acid (CAS No. 28757-00-8) - (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.

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

Short term

LC50 (96 hour): 42.0 mg/l (*Gambusia affinis*)

EC50( 24 hour): 29.0 mg/l (*Daphnia magna*)

EC50(48 hour): 29 mg/l (*Pandalus montagui*)

Long Term

Not available

Persistence and degradability

Not readily biodegradable.

Bioaccumulative potential

The substance has no potential for bioaccumulation.

Mobility in soil

The substance has high mobility in soil.

Results of PBT and vPvB assessment

Not classified as PBT or vPvB.

Other adverse effects

None known.

Diisopropylnaphthalene (CAS No. 38640-62-9)

Short term

LC50 (96 hour): >0.5 mg/l (96 hour) (*Leuciscus idus*) - No toxic effects occur within the range of solubility.

EL50 (48 hour): 1.7 mg/l (*Daphnia magna*)

NOEC (72 hour): 0.15 mg/l (*Scenedesmus subspicatus*)

Long Term

NOEC (21 days) 0.013 mg/l (*Daphnia magna*)

LOEC (21 days) 0.025 mg/l (*Daphnia magna*)

Persistence and degradability

Not readily biodegradable.

Bioaccumulative potential

The product has low potential for bioaccumulation.

Mobility in soil

The substance 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.

## 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	2586	2586	2586
Proper Shipping Name	Aryl sulfonic acids, liquid with less than 5 percent free sulfuric acid (Diisopropylnaphthalenesulfonic acid)	Aryl sulphonic acids, liquid with less than 5 percent free sulfuric acid (Diisopropylnaphthalenesulphonic acid)	Aryl sulphonic acids, liquid with less than 5 percent free sulfuric acid (Diisopropylnaphthalenesulphonic acid)
Transport hazard class(es)	8	8	8
Packing group	III	III	III
Hazard label(s)	Corrosive	Corrosive	Corrosive
Environmental hazards	Yes	Yes	Yes
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 (NDSL/DSL)

- NDSL: Diisopropylnaphthalenesulfonic acid
- DSL: Sulfuric acid; Diisopropylnaphthalene

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

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

Chemical Name	CAS No.	Typical %wt.
Sulfuric acid	7664-93-9	< 2%

## SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 14

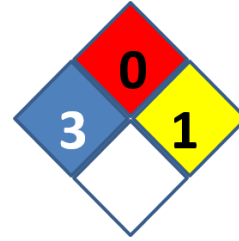
Date of preparation: August 20, 2019

# NAXAN® DIA

Additional Information:

<b>HEALTH</b>	3
<b>FLAMMABILITY</b>	0
<b>PHYSICAL HAZARD</b>	1
Personal Protection	

HMIS (Hazardous Material Information System)



NFPA (National Fire Protection Association)

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