

## SAFETY DATA SHEET

OSHA HCS (29 CFR 1910.1200)

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**Product identifier**

Chemical Name	Sulfonic acids, petroleum, calcium salts
Trade name	NAXATE™ 272
CAS No.	Mixture

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

Identified use(s)	Surfactant
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; Eye Dam. 1; Skin Irrit. 2; STOT SE 3; Acute Tox. 4
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**Label elements**

Hazard Symbol



**DANGER**

Signal word(s)

Hazard statement(s)

Flammable liquid and vapour.  
Causes serious eye damage.  
Causes skin irritation.  
May cause respiratory irritation.  
May cause drowsiness or dizziness.  
Harmful if swallowed.

Precautionary statement(s)

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
Ground/bond container and receiving equipment.  
Use explosion-proof electrical/ventilating/lighting and equipment.  
Use only non-sparking tools.  
Take precautionary measures against static discharge.  
Wear protective gloves/protective clothing/eye protection/face protection.  
Wash hands and exposed skin after use.  
Avoid breathing dust/fume/gas/mist/vapours/spray.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

**Other hazards**

Harmful to aquatic life. 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)
Sulfonic acids, petroleum, calcium salts	65 - 75%	26264-06-2	Harmful if swallowed. Causes skin irritation. Causes serious eye damage. Harmful to aquatic life.
Isobutyl alcohol	25 - 35%	78-83-1	Flammable liquid and vapour. Causes serious eye irritation. Causes skin irritation. May cause respiratory irritation. May cause drowsiness or dizziness.

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 breathing has stopped, apply artificial respiration.

Skin Contact

Wash affected skin with plenty of water. Continue to wash the affected area for at least 15 minutes. If skin irritation occurs: Get medical advice/attention.

Eye Contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

Ingestion

Drink two glasses of water. Call a physician. If swallowed, and the victim is conscious and alert, induce vomiting immediately, as directed by medical personnel.

**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
- Unsuitable Extinguishing Media

Extinguish with waterspray, dry chemical, sand or carbon dioxide or foam.  
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

<b>Personal precautions, protective equipment and emergency procedures</b>	Put on protective equipment before entering danger area.
<b>Environmental precautions</b>	Do not allow to enter drains, sewers or watercourses.
<b>Methods and material for containment and cleaning up</b>	Cover spills with inert absorbent material. Sweep spilled substances into containers. Transfer to a container for disposal.
<b>Reference to other sections</b>	None
<b>Additional Information</b>	None

## SECTION 7: HANDLING AND STORAGE




<b>Precautions for safe handling</b>	Do not get in eyes. Wear protective gloves/protective clothing/eye protection/face protection. Wash hands and exposed skin after use.
<b>Conditions for safe storage, including any incompatibilities</b>	
-Storage Temperature	Ambient temperatures.
-Incompatible materials	Keep away from oxidising agents. Keep container tightly closed and dry.
<b>Specific end use(s)</b>	Used in formulation of institutional and industrial cleaners

## 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)	
Isobutyl alcohol	78-83-1	100	50	300	-----	-----

<b>Recommended monitoring method</b>	NIOSH 1401 (Alcohols II)
<b>Exposure controls</b>	
<b>Appropriate engineering controls</b>	Not normally required.
<b>Personal protection equipment</b>	
Eye/face protection 	Wear protective eyewear (goggles, face shield, or safety glasses).
Skin protection (Hand protection/ Other) 	The following to be used as necessary: Gloves (Butyl rubber, Neoprene or Natural rubber).
Respiratory protection 	No personal respiratory protective equipment normally required. Avoid generation of mist. An approved dust mask should be worn if dust/mist is generated during handling.
Thermal hazards	Use gloves with insulation for thermal protection, when needed.
<b>Environmental Exposure Controls</b>	Do not allow to enter drains, sewers or watercourses.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

Appearance	Viscous liquid
Colour	Clear Amber
Odour	Mild alcohol
Odour Threshold (ppm)	Not available.
pH (Value)	6.2 (5% in 25% IPA/Water)
Melting Point (°C) / Freezing Point (°C)	Not available.
Boiling point/boiling range (°C):	Not available.
Flash Point (°C)	28 (82 °F)
Evaporation rate (butyl acetate=1)	<1
Flammability (solid, gas)	Not applicable.
Explosive limit ranges	LEL: 1.7 % UEL: 10.6% (isobutyl alcohol)
Vapour Pressure (Pascal)	1066.57 (8 mmHg) @ 20 °C (isobutyl alcohol)
Vapour Density (Air=1)	2.6 (isobutyl alcohol)
Density (g/ml)	1.02
Solubility (Water)	Dispersible
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	Not available
Explosive properties	Not available
Oxidising properties	Not oxidising.
<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 oxidizers.
<b>Hazardous Decomposition Product(s)</b>	Carbon monoxide, Carbon dioxide, Sulphur oxides,

## SECTION 11: TOXICOLOGICAL INFORMATION

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

Calcium dodecylbenzene sulfonate (CAS No. 26264-06-2)

<b>Acute toxicity</b>	Oral: LD50 = 620-900 mg/kg-bw Dermal: LD50 > 2000 mg/kg Inhalation: LD50 > 1.79 mg/l, 4 hour(s)
<b>Irritation/Corrosivity</b>	Causes serious eye damage. Causes skin irritation (By analogy with similar materials)
<b>Sensitization</b>	Not to be expected. (By analogy with similar materials)
<b>Repeated dose toxicity</b>	NOEL = 1 mg/kg bw/day (28 days, Oral gavage) (By analogy with similar materials) LOAEL = 250 mg/kg bw/day (28 days, Oral gavage) (By analogy with similar materials)
<b>Carcinogenicity</b>	No evidence of carcinogenicity (By analogy with similar materials)

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

**Mutagenicity**

There is no evidence of mutagenic potential (By analogy with similar materials)

Isobutyl alcohol (CAS No. 78-83-1)

**Acute toxicity**

Oral: LD50 >2830 mg/kg-bw  
 Inhalation: LC50 24.6 mg/l, (4 h , Vapour) - May cause respiratory irritation. May cause drowsiness or dizziness.  
 Dermal: LD50 >2000 mg/kg

**Irritation/Corrosivity**

Causes skin irritation. Causes eye irritation.

**Sensitization**

None.

**Repeated dose toxicity**

NOAEL > 1450 mg/kg bw/day (90 days, Drinking water)  
 NOAEL > 7.5 mg/m3 (102 days, Inhalation, Vapour)

**Carcinogenicity**

No evidence of carcinogenicity.

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

**Mutagenicity**

There is no evidence of mutagenic potential.

**Toxicity for reproduction**

NOAEL for parental and developmental toxicity > 7.5 mg/l

## SECTION 12: ECOLOGICAL INFORMATION

Toxicity - Substances in preparations / mixture

Calcium dodecylbenzene sulfonate (CAS No. 26264-06-2)

Short term	LC50 (96 hour) = 62-163 mg/l ( <i>rainbow trout</i> )
Long Term	Not available.
Persistence and degradability	Readily biodegradable (By analogy with similar materials)
Bioaccumulative potential	Not available.
Mobility in soil	Not available.
Results of PBT and vPvB assessment	Not classified as PBT or vPvB.
Other adverse effects	None known.

Isobutyl alcohol (CAS No. 78-83-1)

Short term	LC50 (96 hour) = 1430 mg/L mg/l ( <i>Pimephales promelas</i> ) EC50 (48 hour) = 100 mg/l ( <i>Daphnia magna</i> ) EC50 (72 hour) = 593 mg/l ( <i>Pseudokirchnerella subcapitata</i> )
Long Term	NOEC (21 day) = 20 mg/l ( <i>Daphnia magna</i> )
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.
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	1993	1993	1993
Proper Shipping Name	Flammable liquids, n.o.s. (isobutyl alcohol), RQ	Flammable liquids, n.o.s. (isobutyl alcohol)	Flammable liquids, n.o.s. (isobutyl alcohol)
Transport hazard class(es)	3	3	3
Packing group	III	III	III
Hazard label(s)	Flammable Liquid	Flammable Liquid	Flammable Liquid
Environmental hazards	No	No	No
Special precautions for user	None assigned	None assigned	None assigned

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:

## 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 (NDSL/DSL) - Listed DSL

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

Chemical Name	CAS No.	Typical %wt.	RQ (Pounds)
Calcium dodecylbenzene sulfonate	26264-06-2	65 - 75	1000
Isobutyl alcohol	78-83-1	25 - 35	5000

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.
None	-----	-----

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

Chemical Name	CAS No.	Typical %wt.
None	-----	----

## SECTION 16: OTHER INFORMATION

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

Date of preparation: September 12, 2014

Additional Information:



HMIS (Hazardous Material Information System)



NFPA (National Fire Protection Association)

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