Naxcat® 1270

SAFETY DATA SHEET

OSHA HCS (29 CFR 1910.1200)

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Chemical Name	Benzene sulfonic acid, C10-16 alkyl derives. mixture
Trade name	Naxcat® 1270
CAS No.	Mixture

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

Identified use(s)	Catalyst for inks and coatings
Uses advised against	None

Details of the supplier of the safety data sheet

Company Identification	Catexel Nease 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@catexel.com

Emergency telephone number

Emergency Phone No.	(513) 738-1255 CHEMTREC 24 hr. (800) 424-9300

SECTION 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture

OSHA HCS (29 CFR 1910.1200) — Flam. Liq. 2; Skin Corr. 1C; Eye Dam. 1; Met. Corr. 1; STOT SE 3

Label elements

Hazard Symbol

Signal word(s): **DANGER**

Hazard statement(s):

Highly flammable liquid and vapour.
Causes severe skin burns and eye damage.
May be corrosive to metals.
May cause drowsiness or dizziness.

Precautionary statement(s):

Keep away from fire, sparks and heated surfaces - no smoking.
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. Immediately call a POISON CENTER or doctor/physician.

Other hazards	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)
Benzenesulfonic acid, C10-16-alkyl derivs*	65-75%	68584-22-5*	Causes severe skin burns and eye damage.
Isopropyl alcohol [USP]	25-30%	67-63-0	Causes serious eye irritation. May cause drowsiness or dizziness.
Sulfuric acid	<1%	7664-93-9	Causes severe skin burns and eye damage.

*Predominately includes Dodecyl benzene sulfonic acid (CAS# 27176-87-0)

Additional Information -Substances in the product which may present a health or environmental hazard, or which have been assigned occupational exposure limits, are detailed below.

- Benzene, C10-16 alkyl derives (68648-87-3) <2%

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 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. Vapours may cause drowsiness and dizziness.
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.
-Unsuitable Extinguishing Media	None anticipated.
Special hazards arising from the substance or mixture	Combustion or thermal decomposition will evolve toxic vapours.
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	Eliminate sources of ignition. Contain spillages with sand, earth or any suitable adsorbent material. Transfer to a container for disposal or recovery. Cautiously neutralize remainder. Then wash away with plenty of water.If possible prevent water running into sewers.
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 oxidising agents. Keep container tightly closed and dry.

Specific end use(s) — Catalyst for inks and coatings

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)	
Sulfuric acid	7664-93-9	1 mg/m³	----	----	----	
Isopropyl alcohol	67-63-0	400 ppm	200 ppm	----	400 ppm	

Recommended monitoring method — NIOSH 5043; NIOSH 1400 (alcohols I)

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 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	Thick Liquid

Colour	Brown
Odour	Mild Acidic.
Odour Threshold (ppm)	Not available.
pH (Value)	<2
Melting Point (°C) / Freezing Point (°C)	Not available.
Boiling point/boiling range (°C):	>260 (>500 °F)
Flash Point (°C)	>11 (>53 °F) (isopropyl Alcohol)
Evaporation rate	<1 (butyl acetate=1)
Flammability (solid, gas)	Not applicable.
Explosive limit ranges	UEL=12.1% LEL=2.5% (isopropyl Alcohol)
Vapour Pressure (Pascal)	33 mm HG @ 20 (isopropyl Alcohol)
Vapour Density (Air=1)	>1
Density (g/ml)	1.06
Solubility (Water)	Dispersible in water.
Solubility (Other)	Not available.
Partition Coefficient (n-Octanol/water)	<0.1 (log P)
Auto Ignition Temperature (°C)	Not available.
Decomposition Temperature (°C)	Not available.
Kinematic Viscosity (cSt) @ 40°C	Not available.
Explosive properties	Not explosive.
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	Incompatible materials.
Incompatible materials	Reacts with strong alkalis. Avoid contact with bleach or other hypochlorites. May cause exothermic polymerization of furan resins. Generates heat of solution when dissolved in water and alcohols.
Hazardous Decomposition Product(s)	Carbon monoxide, Carbon dioxide, Sulphur oxides, Acrid smoke

SECTION 11: TOXICOLOGICAL INFORMATION

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

Substances in preparations / mixtures

Benzenesulfonic acid, C10-16-alkyl derivs (CAS No. 68584-22-5)

Acute toxicity (By analogy with similar materials)	Oral: LD50 > 5 g/kg-bw Dermal: LD50 >5 g/kg-bw Inhalation: LC50 >1.9 mg/l (4 hr exposure)
Irritation/Corrosivity	Corrosive (Skin and Eyes)
Sensitization	It is not a skin sensitizer.
Repeated dose toxicity (By analogy with similar materials)	NOAEL: = 500 mg/kg bw/day (29 days, oral, rat) NOAEL = 49.5 mg/m3 (6 hours per day, 5 days/week for a total of 28 days,rat).
Carcinogenicity	It is unlikely to present a carcinogenic hazard to man.

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

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

Toxicity for reproduction (By analogy with similar materials) — No effects to the reproductive system.

Isopropanol (CAS# 67-63-0):

Acute toxicity — Oral: LD50 > 5.84 g/kg (rat)
Inhalation: > 10000 ppm (rat)
Dermal: LD50 = 16.4 mL/kg (rabbit) 24 hour(s)
May cause drowsiness or dizziness.

Irritation/Corrosivity — Irritating to eyes.

Sensitisation — It is not a skin sensitiser.

Repeated dose toxicity — NOAEL = 5,000 ppm (Inhalation)
May cause drowsiness or dizziness.

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 — There is no evidence of toxicity to the reproduction system

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 sensitisation 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)

SECTION 12: ECOLOGICAL INFORMATION

Benzenesulfonic acid, C10-16-alkyl derivs (CAS No. 68584-22-5) - (By analogy with similar materials)

Short term	LL50 (96 hour): >10000 mg/L (*Cyprinodon variegatus*) EC50 (48 hour): >1000 mg/l (*Daphnia magna,* mobility*)* EC50 (96 hour): >1000 mg/l (*Pseudokirchnerella subcapitata*)
Long Term	Scientifically unjustified
Persistence and degradability	Readily biodegradable.
Bioaccumulative potential	The product has low 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.

Isopropanol (CAS# 67-63-0):

Short term	LC50 (96 hour): 10,000 mg/l (Fathead minnow (*Pimephales promelas*)) LC50 24hour(s): >10,000 mg/l *(Daphnia magna)*
Long Term	NOEC: 3.37 µmol/l (Daphnia magna) (Growth rate)
Persistence and degradability	Readily biodegradable.
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.

Sulfuric 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	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.

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	UN 2924	UN 2924	UN 2924
Proper Shipping Name	Flammable liquid, corrosive, n.o.s. (Isopropyl alcohol, Benzene sulfonic acid C10-C16 alkyl derivs.)	Flammable liquid, corrosive, n.o.s. (Isopropyl alcohol, Benzene sulphonic acid C10-C16 alkyl derivs.)	Flammable liquid, corrosive, n.o.s. (Isopropyl alcohol, Benzene sulphonic acid C10-C16 alkyl derivs.)
Transport hazard class(es)	3 (8)	3 (8)	3 (8)
Packing group	II	II	II
Hazard label(s)	Flammable liquids, Corrosive	Flammable liquids, Corrosive	Flammable liquids, Corrosive
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: Not applicable

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)
None	----	----	----

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.
Sulfuric acid	7664-93-9	< 2%

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1

Date of preparation: December 14, 2023

Additional Information:

HMIS (Hazardous Material Information System)

NFPA (National Fire Protection Association)

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