

Naxcat® 330L

SAFETY DATA SHEET

OSHA HCS (29 CFR 1910.1200)

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Chemical Name Trade name CAS No.

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

 Identified use(s)
 Catalyst for po

 Uses advised against
 None

Details of the supplier of the safety data sheet Company Identification

Telephone Telephone (Product Information) Fax E-Mail (competent person)

Emergency telephone number Emergency Phone No. o,p - Toluenesulfonic acid Naxcat[®] 330L 88-20-0 & 104-15-4

Catalyst for polymers and coatings. None

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(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)

Skin Corr. 1C; Eye Dam. 1; Met. Corr. 1

Label elements Hazard Symbol

Signal word(s)

Hazard statement(s)

Precautionary statement(s)

DANGER

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

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.

Not classified as PBT or vPvB.

Additional Information

Other hazards

None

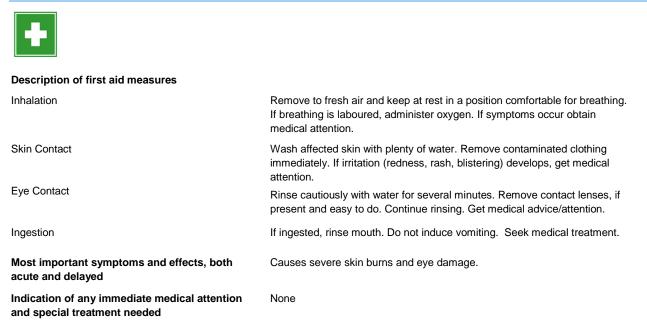


SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous ingredient(s)	%W/W	CAS No.	Hazard statement(s)
o p. Tolyonogylfania goid	60 70%	88-20-0	May be corrosive to metals
o,p - Toluenesulfonic acid	60-70%	104-15-4	Causes severe skin burns and eye damage.
Sulfuric acid	<1%	7664-93-9	Causes severe skin burns and eye damage.
Water	45-55%	7732-18-5	Not applicable

Additional Information - None

SECTION 4: FIRST AID MEASURES



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	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. Transfer to a container for disposal or recovery. Wash the spillage area with water. If possible prevent water running into sewers.
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 incom	patibilities
-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 paints and coatings.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Occupational exposure limits

		LTEL (8 hr	· TWA ppm)	STEL (ppm)			
SUBSTANCE.	CAS No.	PEL (OSHA)	TLV (ACGIH)	PEL (OSHA)	TLV (ACGIH)	Note:	
Sulfuric acid	7664-93-9	1 mg/m³					
Recommended monitoring method Exposure controls				43			
Appropriate engine	eering controls		Local exha	aust required.			
Personal protection	n equipment						
Eye/face protectic	n			ing to be used as n to eyes. Full face s	,	s giving complete	
Skin protection (H	land protection/ C	Other)	rubber). C	hemical protection	suit. Wear safety of	Neoprene or Natural or chemical resistant nt manufacturer's data	
Respiratory protection	ction		No person	al respiratory prote	ctive equipment n	ormally required.	
Thermal hazards			Use glove	s with insulation for	r thermal protectio	n, when needed.	
Environmental Exposure Controls		Do not allo	Do not allow to enter drains, sewers or watercourses.				
SECTION 9: PH	IYSICAL AND		PROPERTIES				
Information on ba	asic physical an	d chemical prope	erties				
Appearance				Liquid			

Colour Odour Odour Threshold (ppm) pH (Value) Melting Point (°C) / Freezing Point (°C) Boiling point/boiling range (°C): Flash Point (°C) Evaporation rate Flammability (solid, gas) Clear, Pale yellow Slight hydrocarbon Odour Not available. <1 Not available Not available. >93 (>200 °F) [Open cup] Not available. Not applicable.



Naxcat® 330L

Explosive limit ranges Vapour Pressure (Pascal) Vapour Density (Air=1) Density (g/ml) Solubility (Water) Solubility (Other) Partition Coefficient (n-Octanol/water) Auto Ignition Temperature (°C) Decomposition Temperature (°C) Kinematic Viscosity (cSt) @ 40°C Explosive properties Oxidising properties

Other information

Not applicable. Not available. >1 1.2 Soluble Not available. Not available. Not available. Not available. Not available. Not explosive. Not oxidising.

Not available.

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

SECTION 10: STABILITY AND REACTIVITY

Substances in preparations / mixtures

Toluene-4-sulfonic acid (CAS No. 104-15-4)

Acute toxicity (By analogy with similar materials)

Oral: LD50 > 1104 mg/kg-bw (rat) Dermal: LD50 >2 g/kg-bw (rabbit) Inhalation: LC50 > 100 mg= saturated (Vapor), 8 hour (rat)

Corrosive (Skin and Eyes) It is not a skin sensitizer. NOAEL: > 500 mg/kg bw/day (28 days/week, oral, rat)

Carcinogenicity

Sensitization

Irritation/Corrosivity

Repeated dose toxicity

Carcinogenicity		NOAEL (rat): ≥ 240 mg/kg (Fischer 344				
NTP	IARC	IARC ACGIH OSHA NIOSH				
No.	No.	No.	No.	No.		

Mutagenicity **Toxicity for reproduction**

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

Acute toxicity

Irritation/Corrosivity Sensitization Repeated dose toxicity

Carcinogenicity

There is no evidence of mutagenic potential. No effects to the reproductive system.

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

Corrosive (Skin and Eyes) Skin sensitisation has been reported in humans. No data.

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 mutage	nic potential.		
Toxicity for reprodu	uction	NOAEL:	20 mg/m3 (rabbit) (Nev	w Zealand White)		
		NOEL: 2	0 mg/m ³ (rabbit) (New 2	Zealand White)		
ECTION 12: ECC	LOGICAL INFORMA	TION				
Toluene-4-sulfonic aci	id (CAS No. 104-15-4)					
Short term		LC50 (96 hour): >50	0 mg/L (<i>Leuciscus idu</i> s	s melanotus)		
		EC50 (48 hour): >10 similar materials)	13 mg/l (<i>Daphnia magn</i> a	a, mobility) - (By analogy with		
		EC50 (72 hour): 70 r similar materials)	mg/l (Pseudokirchnerel	<i>la subcapitata</i>) - (By analogy wit		
Long Term		Scientifically unjustif	ied			
Persistence and degradability		, ,	Readily biodegradable.			
Bioaccumulative pote Mobility in soil	ential		The product has low potential for bioaccumulation. The substance has high mobility in soil.			
Results of PBT and v	PvB assessment		Not classified as PBT or vPvB.			
Sulfuric acid (CAS No	<u>. 7664-93-9)</u>					
Short term		LC50 (96 hour): 42.0) mg/l (96 hour) (<i>Gamb</i>	usia affinis)		
		. ,	.0 mg/l (Daphnia magn			
		EC50 (48 hour): 29 i	mg/l (<i>Pandalus montag</i>	ui))		
Long Term		Scientifically unjustif	ied			
Persistence and deg	radability	Not readily biodegra	dable.			
Bioaccumulative pote	ential	The substance has no potential for bioaccumulation.				
Mobility in soil			The substance has high mobility in soil.			
Results of PBT and v		Not classified as PB	T or vPvB.			
Other adverse effect	5	None known.				

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 <u>(ICAO/IATA)</u>
UN number	2586	2586	2586
Proper Shipping Name	ARYLSULFONIC ACIDS, LIQUID with not more than 5% free sulfuric acid	ARYLSULPHONIC ACIDS, LIQUID with not more than 5% free sulphuric acid	ARYLSULPHONIC ACIDS, LIQUID with not more than 5% free sulphuric acid
Transport hazard class(es)	8	8	8
Packing group	III	III	III
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)	
	None					
SA	SARA 311/312 - Hazard Categories:					
[🗌 Fire 🔲 Sudden Release 🔤 R	eactivity	🛛 Immedi	ate (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):

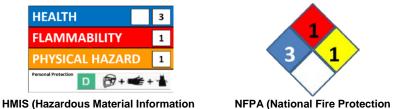
Chemical Name	CAS No.	Typical %wt.
Sulfuric acid	7664-93-9	< 2%

SECTION 16: OTHER INFORMATION

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

Date of preparation: May 16, 2014

Additional Information:



Association)

HMIS (Hazardous Material Information System)

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