



1. IDENTIFICATION	
Company: Everchem, LLC Address: 1400 N. Providence Rd, Ste 302 Media, PA 19063 Tel# (484) 234-5030 Fax# (484) 234-5037	Commercial name: Linear Alkyl Benzene Sulphonic Acid US DOT/UN Name: Aryl Sulphonic Acid Liquid Recommended Uses: Detergent Drilling Chemical, Home & Personal Care, For Industrial Use Only Emergency Telephone: CHEMTREC: (800) 424-9300

2. HAZARD IDENTIFICATION	
Warning word:	DANGER
Hazard Statements: COROSIVE LIQUID MAY CAUSE IRRITATION ON SKIN & EYES, MAY CAUSE RESPIRATORY TRACT IRRITANCY. Hazard Code: CLASS 8 Precautionary Statements Prevention: DO NOT GET IN EYES, ON SKIN, OR ON CLOTHING .DO NOT BREATHE MIST. WASH THOROUGHLY AFTER HANDLING, EMPTY DRUMS CAN CONTAIN HAZARDOUS RESIDUES .USE CAUTION AND PROTECTIVE EQUIPMENT WHEN HANDLING. FIRST AID: IF INHALE, REMOVE TO FRESH AIR, IF NOT BREATHING GIVEN ARTIFICIAL RESPIRATION, IF BREATHING IS DIFFICULT, GIVE OXYGEN. IF SWALLOWED, DO NOT INDUCE VOMITING. GIVE LARGE QUANTITIES OF WATER. NEVER GIVE ANYTHING MY MOUTH TO AN UNCONSCIOUS PERSON .IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES OR SKIN WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES WHILE REMOVING CONTAMINATED CLOTHING AND SHOES. WASH CLOTHING BEFORE REUSE. IN ALL CASES GET MEDICAL ATTENTION IMMEDIATELY & IT DEVELOP OR PERSISTS	
GHL Hazard Classification: HAZARDOUS CLASS 8 WARNING: HARMFUL IF SWALLOWED, INHALED OR ABSORBED THROUGH SKIN, CAUSES SEVERE IRRITATION OR BURNS, TO SKIN, EYES AND RESPIRATOTYV TRACT .MAY BE FATAL IF SWALLOWED OR INHALED .CORROSIVE CAN CAUSE CANCER	
<div style="display: flex; justify-content: space-around; align-items: center;">   </div>	

RESPONSE:**IN CASE OF FIRE:** USE LARGE QUANTITY OF WATER TO EXTINGUISH.**IF SWALLOWED:** RINSE MOUTH. DO NOT INDUCE VOMITING. CALL A POISON CENTER/DOCTOR/PHYSICIAN IF YOU FEEL UNWELL.**IF ON SKIN:** REMOVE/TAKE OFF IMMEDIATELY ALL CONTAMINATED CLOTHING AND RINSE SKIN WITH WATER/SHOWER.**IF IN EYES:** RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO SO. CONTINUE RINSING. COLLECT SPILLAGE.**STORAGE :** STORE LOCKED UP.**DISPOSAL:** DISPOSE OF CONTENTS AND CONTAINER IN ACCORDANCE WITH ALL LOCAL / REGIONAL / NATIONAL / INTERNATIONAL REGULATIONS.**3. COMPOSITION/INFORMATION ON INGREDIENTS**

CAS#	CHEMICAL NAME	PERCENT
8553614-7	LINEAR ALKYL BENZENE SULPHONIC ACID	.>96
7664-93-9	SULPHURIC ACID	<2
7732-18-5	WATER	BALANCE

SYNONYMS: Linear alkyl benzene sulfonic acid.
Alkyl aryl sulfonic acid.

CHEMICAL FORMULA: R- C6 H4- SO3H R= C10-13**CAS REGISTRY NUMBER:** 85536-14-7**EC NUMBER:**287-494-3**HAZARDOUS IMPURITIES:**

N a m e	Concentr.% m/m	CAS REGISTRY NUMBER	EC NUMBER	Symbol	R Phrases
1.Sulfuric acid	< 2	7664-93-9	016-020-00-8	C-Corrosive	R35

R35: Causes severe burns.

4. FIRST-AID MEASURES

FIRST AID/ RESPONSE

SKIN:

FIRST AID RESPONDERS SHOULD WEAR PERSONAL PROTECTIVE EQUIPMENT

IF ON SKIN: REMOVE CONTAMINATED CLOTHING AND SHOES. WASH WITH PLENTY OF SOAP AND WATER. IF IRRITATION OCCURS: GET IMMEDIATE MEDICAL ADVICE/ATTENTION. WASH CONTAMINATED CLOTHING BEFORE REUSE.

EYES :

IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR UP TO 15 MINUTES. REMOVE CONTACT LENSES IF PRESENT AND EASY TO DO SO. CONTINUE RINSING. IF EYE IRRITATION PERSISTS: GET IMMEDIATE MEDICAL ADVICE/ATTENTION.

INHALATION :

IF INHALED: REMOVE VICTIM TO FRESH AIR AND KEEP AT REST IN A POSITION COMFORTABLE FOR BREATHING: CALL A POISON CENTER OR DOCTOR/PHYSICIAN.

INGESTION :

IF INGESTED: IF CONSCIOUS, IMMEDIATELY RINSE MOUTH. DRINK PLENTY OF WATER. DO NOT INDUCE VOMITING (DUE TO RISK OF PERFORATION) CALL A POISON CENTER/DOCTOR/PHYSICIAN IMMEDIATELY. NEVER GIVE ANYTHING BY MOUTH IF THE VICTIM IS UNCONSCIOUS.

MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYE

SKIN :

CONTACT WITH DRY CRYSTALS OR CONCENTRATED SOLUTIONS ON SKIN CAN CAUSE REDNESS, SEVERE BURNS, BROWN STAINS (DUE TO INSOLUBLE MANGANESE OXIDE), AND POSSIBLE HARDENING OF THE OUTER SKIN LAYER. DILUTED SOLUTIONS ARE ONLY MILDLY IRRITATING TO THE SKIN. REPEATED OR PROLONGED SKIN CONTACT MAY CAUSE DEFATTING AND DERMATITIS.

EYES :

CONTACT WITH EYES CAN CAUSE SEVERE IRRITATION, REDNESS, BLURRED VISION, POSSIBLE BURNS AND **PERMANENT** DAMAGE.

INHALATION:

INHALATION CAN IRRITATE RESPIRATORY TRACT, CAUSING COUGHING AND SHORTNESS OF BREATH DELAYED/CHRONIC: CHRONIC MANGANESE POISONING CAN RESULT FROM EXCESSIVE INHALATION EXPOSURE TOMANGANESE DUST AND INVOLVES IMPAIRMENT OF THE CENTRAL NERVOUS SYSTEM. EARLY SYMPTOMS INCLUDE SLUGGISHNESS, SLEEPINESS, AND WEAKNESS IN THE LEGS.

INGESTION:

CAUSES SEVERE DISTRESS OF GASTROINTESTINAL SYSTEM WITH POSSIBLE BURNS, SHOCK WITH FALL OF BLOOD PRESSURE. MAY BE FATAL INGESTION OF CONCENTRATIONS UP TO 1% CAN CAUSE BURNING OF THE THROAT, VOMITING, ABDOMINAL PAIN; 2-3% CAUSES ANEMIA AND SWELLING OF THE THROAT WITH POSSIBLE NAUSEA SUFFOCATION; 4-5% MAY CAUSE KIDNEY DAMAGE.

**INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED, IF NECESSARY
IF EXPOSED: CALL A POSION CENTER/DOCTOR/PHYSICIAN**

5. FIRE-FIGHTING MEASURES

NOT SUITABLE EXTINGUISHING MEDIA :	NONE IN PARTICULAR
SPECIFIC HAZARDS:	COMBUSTION PRODUCES CARBON DIOXIDE, CARBON MONOOXIDE, AND OXIDE OF SULPHUR. WHEN HEATED TO DECOMPOSITION, TOXIC FUMES OF SO ₂ AND SO ₃ ARE EMITTED.
SUITABLE EXTINGUISHING MEDIA:	WATER SPRAY, FOAM, CARBON DIOXIDE
SPECIAL EQUIPMENTS :	FOR LARGE FIRES, WEAR SELF-CONTAINED BREATHING APPARATUS

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS :	AVOID DIRECT CONTACT WITH THE PRODUCT WEAR RUBBER GLOVES AND RUBBER BOOTS, FACE SHIELD AND KEEP CLOSE BY A GAS MASK PROVIDED WITH FILTER FOR ACID VAPOURS.
ENVIRONMENTAL PRECAUTIONS:	SURROUND THE SPILT WITH EARTH OR SAND. COLLECT THE SPILLED MATERIALS IN SUITABLE CONTAINERS. IF NECESSARY ABSORB THE SPILT ONTO INERT MATERIALS. DISPOSE OF MATERIAL ACCORDING TO THE REQUIREMENTS OF LOCAL LAWS. INCASE OF LEAKING INTO SEWER INFORM THE LOCAL OFFICIALS. INFORM THE LOCAL OFFICIALS.
METHODS AND MATEIAL FOR CONTAINMENT AND CLEANING UP:	NEUTRALIZE THE RESIDUE OF PRODUCT WITH NAOH OR WITH CAUSTIC LIME. WASH THE CONTAMINATED AREA WITH PLENTY OF WATER. IF EXCESSIVE FOAM IS PRODUCED, USE A SILICONE BASED ANTIFOAM TO BRING IT DOWN.

7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING:

AVOID CONTACT WITH THE PRODUCT. WHILE HANDLING THE PRODUCT, WEAR A PROTECTIVE APRON, RUBBER OR PVC GLOVES AND A FACE SHIELD.

HANDLE THE PRODUCT IN WELL VENTILATED AREAS.

NEUTRALIZE WITH BASE UNDER CONTROLLED CONDITIONS.

CONDITIONS FOR SAFE STORAGE, INCLUDING INCOMPATIBILITIES:

DO NOT HEAT ABOVE 50°C

COMPATIBLE MATERIALS: STAINLESS STEEL, MILD STEEL, PLASTIC MATERIALS.

INCOMPATIBLE WITH GALVANIZED STEEL, ALUMINIUM, COOPER ALLOYS.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

PRECAUTIONARY MEASURES:

INSTALLATION OF AN EYEWASH FOUNTAIN IS RECOMMENDED.
DO NOT EAT OR DRINK ONTO THE WORK PLACE.

WHEN HANDLING THE PRODUCT USE APPROVED PROTECTIVE CLOTHING, RUBBER OR PVC GLOVES, AND A FACE SHIELD.

PERSONAL PROTECTIVE EQUIPMENT:

WEAR SAFETY GOGGLES OR A FACE SHIELD AND APPROVED PROTECTIVE CLOTHING.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	BROWN –AMBER VISCOUS LIQUID WITH STRONG ODOR
FORMULA:	C12H25C6H4SO3H
ODOR:	OF SULFUR
VAPOR PRESSURE :	1 ATMOSPHERE
VAPOR DENSITY :	NOT APPLICABLE IN THIS PRODUCT
BOILING POINT :	280 DEGREE C
SOLUBILITY IN WATER :	MISC.
SPECIFIC GRAVITY:	1.05 (WATER=01)
FALSH POINT:	210 DEGREE C
pH 1% WATER:	1
IGNITION TEMPERATURE:	NO DATA

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY :	STABLE UNDER NORMAL CONDITIONS
POSSIBILITY OF HAZARDOUS REACTIONS:	NO HAZARDS DECOMPOSITION PRODUCT
CONDITIONS TO AVOID:	MIXING WITH ALKALI & METALS IN PROCESS/MOISTURE
INCOMPATIBLE MATERIALS:	LIGHT METALS IN PRESENCE OF MOISTURE
HAZARDOUS DECOMPOSITION PRODUCTS:	IN CASE OF OVERHEATING, SULFUR OXIDES CAN BE EMITTED

11. TOXICOLOGICAL INFORMATION

ORAL ORAL LD 50 (RAT): 650mg/kg HARMFUL IF SWALLOWED. EYE HIGHLY CORROSIV TO THE EYES MAY CAUSE PERMANENT INJURY AND LOSS OF SIGHT. SKIN CORROSIVE TO SKIN. NOT EXPECTED TO BE A SKIN SENSITIZER, INHALED BY INHALATION (RAT): 8h (IRT). NO MORTALITY WITH IN THE SATETED EXPOSITION TIME AS SHOWN IN ANIMAL STUDIES REMARKS: DUE TO THE LOW VOLATILITY OF THE PRODUCT IT IS NOT EXPECTED TO BE AN INHALATION HAZARD. IF HEATED, MATERIAL MAY FORM VAPORS/MISTS OF SULFUER DIOXIDE.

12. ECOLOGICAL INFORMATION

PRIMARY BIODEGRADABILITY:	90% OECD SCREENING TEST (SODIUM SALT) THE SURFACTANT FULFILLS THE REQUISITE MINIMUM REQUIREMENTS OF PRIMARY BIODEGRADABILITY AS PER DIRECTIVE 82/243/EC
READY BIODEGRADABILITY:	>60% OECD 301 F TEST. THE SURFACTANT CAN BE CLASSIFIED "READY BIODEGRADABLE ACCORDING TO THE CRITERIA OF DIRECTIVE 91/325/EC
ABIOTIC DEGRADABILITY:	NOT APPLICABLE
THEORETICAL OXYGEN DEMAND (ThOD):	2.49 MG//O ₂ /MG
CHEMICAL OXYGEN DEMAND (COD):	NOT AVAILABLE
ECOTOXICITY:	EC50 >1 - 10 MG/L LOG P O/W: NOT APPLICABLE, SURFACE ACTIVE SUBSTANCE

13. DISPOSAL CONSIDERATIONS

DISPOSE OF PRODUCT IN AUTHORIZED PLACES/METHODS IN OBSERVANCE WITH CURRENT LAWS. IT MAY BE TREATED IN A BIOLOGICAL WASTE WATER TREATMENT PLANT.

14. TRANSPORT INFORMATION

UN NO. 2586
SHIPING NAME: LINEAR ALKYL BENZENE SULPHONIC ACID
BENZENE SULPHONIC ACID, C10-C13 ALKYL DERVATIVES, DODECYLBENZENE SULPHONIC ACID
DANGEROUS GOOD CLASS: 8
ENVIRONMENTAL HAZARD: MARINE POLLUTANT
SUBSIDIEARY RISK: NONE ALLOCATED
PACKING GROUP: III
HAZARD SYMBOL: CORROSIVE(C)
HAZCHEM CODE: 2R

15. REGULATORY INFORMATION

POISONS SCHEDULE: N/A
EPG: 36
NZ TOXIC SUBSTANCE: N

ADDITIONAL INFORMATION

EINECS NO.: 287-494-3
RISK PHRASE: R34: CAUSE BURNS
R22: HARMFUL IF SWALLOWED.
SAFETY PHRASES: S26: IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH
PLENTY OF WATER AND SEEK MEDICAL ADVICE.
S28: DOBENZ AFTER CONTACT WITH SKIN, WASH IMMEDIATELY
WITH PLANTY OF WATER
S36/37/38: WEAR SUITABLE PROTECTIVE CLOTHING, GLOVES, AND
EYE/FACE PROTECTION
S45: IN CASE CONTACT WITH SKIN, WASH IMMEDIATELY WITH
PLANTY OF WATER
S36/S37/S38: WATER SUETABLE PROACTACTIVE CLOTHING, GLOVES, AND
EYE/FACE PROTECTION
S45 IN CASE OF ACCIDENT OR IF YOU FEEL UNWELL, SEEK
MEDICAL ADVICE IMMEDIATELY (SHOW THE LABEL)

16. OTHER INFORMATION

LESS THAN CO₂ (CARBON DIOXIDE) ERMA (ENVIROMENT RISK MANAGEMENT AUTHORITY) IDLH (IMMEDIATELY DANGEROUS TO LIFE AND HEALTH) LC (STANDS FOR LETHAL CONCENTRATION). LC50 IS THE CONCENTRATION OF A MATERIAL IN AIR WHICH CAUSES PERIOD OF TIME, USUALLY 1 OR 4 HOURS. THE DEATH OF 50% (ONE HALF) OF A GROUP OF TEST ANIMALS N/A NOT APPLICABLE NOHSC NATIONAL OCCUPATIONAL HEALTH AND SAFETY COMMISSION PEL (PERMISSIBLE EXPOSURE LIMIT) STEL (SHORT TERM EXPOSURE LIMIT TWA TIME WEIGHTED AVERAGE) CM² SQUARE CENTIMETRES G GRAM G/L GRAMS PER LITRE KG KILOGRAM

LITRE MPA.S MILLI PASCAL PER SECOND MG MILLIGRAM MG/KG MILLIGRAMS PER KILOGRAM MM MILLIMETER PPM PARTS PER MILLION PPM/6H PARTS PER MILLION PER 6 HOUR > GREATER THAN CAS CHEMICAL ABSTRACTS SERVICE(REGISTRY NUMBER) COD CHEMICAL OXYGEN DEMAND HSNO HAZARDOUS SUBSTANCE AND NEW ORGANISM LC50 THE DEATH OF 50% (ONE HALF) OF A GROUP OF A TEST ANIMALS. THE MATERIAL IS INHALED OVER A SET LD50 LD STANDS FOR "LETHAL DOSE".

LD50 IS THE AMOUNT OF A MATERIAL, GIVEN ALL AT ONCE, WHICH CAUSES MISC, MISCIBLE NIOSH NATIONAL INSTITUTE FOR OCCUATIONAL SAFETY AND HEALTH OECD ORGANIZATION FOR ECONOMIC CO-OPERATION AND DEVELOPMENT RCP RECIPROCAL CALCULATION PROCEDURE TLV THRESHOLD LIMIT VALUE UN UNITED NATIONS (NUMBER) DEG C (°C) DEGREES CELSIUS G/CM³ GRAMS PER CUBIC CENTIMETER KG/M³ KILOGRAMS PER CUBIC METER.