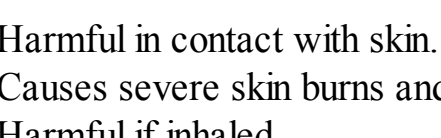
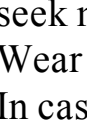


1.	IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING		
1.1	Product identifiers		
	Product name	:	5-Amino-1-naphthalenesulfonic acid
	CAS-No.	:	84-89-9
1.2	Relevant identified uses of the substance or mixture and uses advised against		
	Identified uses	:	Laboratory chemicals, Manufacture of substances
2.	HAZARDS IDENTIFICATION		
2.1	Classification of the substance or mixture		
	Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]		
	Acute toxicity, Inhalation (Category 4)		
	Acute toxicity, Dermal (Category 4)		
	Skin corrosion (Category 1B)		
	Classification according to EU Directives 67/548/EEC or 1999/45/EC		
	Harmful by inhalation, in contact with skin and if swallowed. Causes burns.		
2.2	Label elements		
	Labelling according Regulation (EC) No 1272/2008 [CLP]		
	Pictogram		
	Signal word	Danger	
	Hazard statement(s)		
	H312	Harmful in contact with skin.	
	H314	Causes severe skin burns and eye damage.	
	H332	Harmful if inhaled.	
	Precautionary statement(s)		
	P280	Wear protective gloves/ protective clothing/ eye protection/ face protection.	
	P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.	
	P310	Immediately call a POISON CENTER or doctor/ physician.	
	Supplemental Hazard Statements	none	
	According to European Directive 67/548/EEC as amended.		
	Hazard symbol(s)		
	R-phrases(s)		
	R20/21/22	Harmful by inhalation, in contact with skin and if swallowed.	
	R34	Causes burns.	
	S-phrases(s)		
	S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.	
	S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.	
	S45	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).	
2.3	Other hazards - none		
3.	COMPOSITION/INFORMATION ON INGREDIENTS		
3.1	Substances		
	Synonyms	:	1-Naphthylamine-5-sulfonic acid Laurent's acid
	Formula	:	C10H9NO3S
	Molecular Weight	:	223,25 g/mol
	Component		Concentration
	5-Aminonaphthalene-1-sulphonic acid		
	CAS-No.	84-89-9	-
	EC-No.	201-571-0	

5-Aminonaphthalene-1-sulphonic acid		
CAS-No.	84-89-9	
EC-No.	201-571-0	
4.	FIRST AID MEASURES	
4.1	Description of first aid measures	
	General advice	
	Consult a physician. Show this safety data sheet to the doctor in attendance.	
	If inhaled	
	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.	
	In case of skin contact	
	Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician.	
	In case of eye contact	
	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.	
	If swallowed	
	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.	
4.2	Most important symptoms and effects, both acute and delayed	
4.3	Indication of any immediate medical attention and special treatment needed	
	no data available	

	Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide
5.2	Special hazards arising from the substance or mixture	Carbon oxides, nitrogen oxides (NOx), Sulphur oxides
5.3	Advice for firefighters	Wear self contained breathing apparatus for fire fighting if necessary.
5.4	Further information	no data available
6.	ACCIDENTAL RELEASE MEASURES	
6.1	Personal precautions, protective equipment and emergency procedure	Use personal protective equipment. Avoid dust formation. Avoid breathing

	adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.
6.2	Environmental precautions Do not let product enter drains.
6.3	Methods and materials for containment and cleaning up Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.
6.4	Reference to other sections For disposal see section 13.
7.	HANDLING AND STORAGE
7.1	Precautions for safe handling Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.Normal measures for preventive fire protection.
7.2	Conditions for safe storage, including any incompatibilities Store in cool place. Keep container tightly closed in a dry and well-ventilated place.
7.3	Specific end uses no data available
8.	EXPOSURE CONTROLS/PERSONAL PROTECTION
8.1	Control parameters

8.2 Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Body Protection

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

	respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).		
9.	PHYSICAL AND CHEMICAL PROPERTIES		
9.1	Information on basic physical and chemical properties		
a)	Appearance	Form: powder Colour: violet	
b)	Odour	no data available	
c)	Odour Threshold	no data available	
d)	pH	no data available	
e)	Melting point/freezing point	no data available	
f)	Initial boiling point and boiling range	no data available	
g)	Flash point	no data available	
h)	Evaporation rate	no data available	
i)	Flammability (solid, gas)	no data available	
j)	Upper/lower flammability or explosive limits	no data available	
k)	Vapour pressure	no data available	
l)	Vapour density	no data available	
m)	Relative density	no data available	
n)	Water solubility	no data available	
o)	Partition coefficient: n-octanol/water	no data available	
p)	Autoignition temperature	no data available	
q)	Decomposition temperature	no data available	
r)	Viscosity	no data available	
s)	Explosive properties	no data available	
t)	Oxidizing properties	no data available	

9.2	Other safety information no data available
10.	STABILITY AND REACTIVITY
10.1	Reactivity no data available
10.2	Chemical stability no data available
10.3	Possibility of hazardous reactions no data available
10.4	Conditions to avoid no data available
10.5	Incompatible materials no data available
10.6	Hazardous decomposition products Other decomposition products - no data available
11.	TOXICOLOGICAL INFORMATION
11.1	Information on toxicological effects
	Acute toxicity LD50 Oral - rat - > 5,000 mg/kg Remarks: Behavioral/Somnolence (general depressive)

BehavioralMuscle weakness.	
Skin corrosion/irritation	
no data available	
Serious eye damage/eye irritation	
no data available	
Respiratory or skin sensitization	
no data available	
Germ cell mutagenicity	
no data available	
Carcinogenicity	
IARC:	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
Reproductive toxicity	
no data available	
Specific target organ toxicity - single exposure	
no data available	
Specific target organ toxicity - repeated exposure	
no data available	
Aspiration hazard	
no data available	
Potential health effects	
Inhalation	Harmful if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.
Ingestion	May be harmful if swallowed. Causes burns.
Skin	Harmful if absorbed through skin. Causes skin burns.
Eyes	Causes eye burns.
Additional Information	
RTECS: QK1270500	

12.

ECOLOGICAL INFORMATION

12.1

Toxicity

no data available

12.2

Persistence and degradability

no data available

12.3	Bioaccumulative potential	no data available
12.4	Mobility in soil	no data available
12.5	Results of PBT and vPvB assessment	no data available
12.6	Other adverse effects	no data available
13.	DISPOSAL CONSIDERATIONS	
13.1	Waste treatment methods	
	Product	
	Offer surplus and non-recyclable solutions to a licensed waste disposal service to dispose of this material and burn in a chemical incinerator equipped with an acid gas scrubber.	
	Contaminated packaging	
	Dispose of as unused product.	

14.	TRANSPORT INFORMATION		
14.1	UN number ADR/RID: 2585	IMDG: 2585	IATA: 2585
14.2	UN proper shipping name ADR/RID: ARYLSULPHONIC ACID, SOLID (5-Aminonaphthalene-1-sulphonic acid) IMDG: ARYLSULPHONIC ACIDS, SOLID IATA: Arylsulphonic acids, solid		
14.3	Transport hazard class(es) ADR/RID: 8	IMDG: 8	IATA: 8
14.4	Packaging group ADR/RID: III	IMDG: III	IATA: III
14.5	Environmental hazards ADR/RID: no	IMDG Marine pollutant: no	IATA: no
14.6	Special precautions for user no data available		
15.	REGULATORY INFORMATION		
	This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.		
15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture no data available		
15.2	Chemical Safety Assessment no data available		

16.	OTHER INFORMATION				
	Further information	For R&D use only. Not for drug, household or other uses.			
	WARRANTY:				
	The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Lookchem shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.				
					
	www.lookchem.com				