1. IDENTIFICATION		
Product Name	Sulfanilic Acid	
CAS Number	121-57-3	
one number	121 01 0	
Uses	Industrial intermediates for the synthesis of organic chemicals	
Manufacturer	Nation Ford Chemical C	ompany
	2300 Banks St	
	Fort Mill, SC 29715	
	United States of America	3
Email	info@nationfordchem.co	m
Telephone	1-803-548-3210	
Only Representative Email Phone	Chemservice GmbH Herrnsheimer Hauptstr. 67550 Worms, Germany germany@chemservice +49-6241-95480-0	/
Fax	+49 (0)6241-95480-25	
Emergency Telephone Number	1-800-424-9300 (CHEM	TREC)
2. HAZARDS IDENTIFICATION		
2. HAZARDS IDENTIFICATION Hazard Classification		
	(ith Regulation (EC) No 127	/2/2008 and 29 CFR 1910.1200
		2/2000 and 29 CFR 1910.1200
Skin Irritant	Category 2	H315
Eye Irritant	Category 2A	H319
Skin Sensitizer	Category 1	H317
	5,	
Label Elements		
Hazard Pictograms	~	
	\sim	
Signal Word	Warning	
Signal Word	warning	
Hazard Statements		
H315	Causes skin irritation	
H317	May cause an allergic sł	kin reaction
H319	Causes serious eye irrita	
1010		
Precautionary Statements		
P261	Avoid breathing dust	
P264	Wash skin thoroughly af	ter handling
P272		ning should not be allowed out of the workplace.
P280	Wear protective gloves	
P302/352		plenty of soap and water
P305/351/338		ously with water for several minutes. Remove
		t and easy to do. Continue rinsing.
P333/313		ccurs: Get medical attention.
P337/313	If eye irritation persists:	Get medical attention.
P362/364	Take off contaminated c	lothing and wash before reuse.
P501	Dispose of contents in a	ccordance with local regulations.



Other HazardsResults of PBT and vPvB assessmentPBTNovPvBNo

3. COMPOSITION/INFORMATIO	ON ON INGREDIENTS
Substance Name CAS Number EINECS Number Reach Registration Number Index Number Purity Synonyms	Sulfanilic Acid 121-57-3 204-482-5 01-2119541820-45-0000 612-014-00-X 99+% 4-Aminobenzenesulfonic acid p-anilinesulfonic acid Sulphanilic acid
4. FIRST AID MEASURES	
General information	Immediately remove any clothing soiled by the product. Provide oxygen treatment if affected person has difficulty breathing. Take affected persons out into the fresh air.
Inhalation	If large amounts are inhaled, remove to fresh air. If breathing has stopped, give artificial respiration. If breathing is difficult, administer oxygen and call a physician.
Skin contact	Immediately wash skin with soap and copious amounts of water while removing contaminated clothing. Wash contaminated clothing before reuse.
Eye contact	Immediately flush eyes with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating eyelids with fingers. Seek medical attention.
Ingestion	Do not induce vomiting. Immediate vigorous rinsing of the mouth. Drink water in small sips (dilution effect). If unconscious place in recovery position and seek immediate medical attention. Maintain an open airway. Loosen tight clothing (such as a collar, tie, belt or waistband).
Most important symptoms and effects, both acute and delayed	Causes eye and skin irritation. May cause allergic skin reaction (sensitization.)
Indication of any immediate medical attention and special treatment needed	Symptomatic treatment and if possible contact poison specialist. No further relevant information available. Immediate medical attention should not be required.
5. FIRST AID MEASURES	
Suitable extinguishing media	Carbon Dioxide (CO2) Powder Water Spray Fight larger fires with water spray or alcohol resistant foam
Unsuitable extinguishing media	Water with full jet
Special hazards arising from the substance	The substance emits toxic fumes of carbon monoxide, carbon dioxide, and oxides of sulfur and nitrogen under fire conditions. Sulfanilic acid can



produce flammable dust clouds in air. Take precautionary measures against static discharges. If involved in a fire, it may emit noxious and toxic fumes.

Advice for firefighters If excessive smoke or fumes are encountered, wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Dispose of fire debris and contaminated fire-fighting water in accordance with official regulations. Collect contaminated fire-fighting water separately. It must not enter the sewage system.

6.	ACCIDENTAL RELEASE MEA	SURES
	Personal precautions, protective equipment, and emergency procedures	Ensure suitable personal protection (including respiratory protection) during removal of spillages. Sweep up, place in drum and hold for approved waste disposal in compliance with local, state, and federal requirements. Avoid breathing dust. Avoid skin and eye contact and inhalation.
	Environmental precautions	Do not allow to enter drains, sewers or watercourses.
	Methods and materials for containment and cleaning	Protect against dust. Clear up spillages, transfer to a container for disposal. Wash the spillage area clean.
	Reference to other sections	See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.
7.	HANDLING AND STORAGE	
	Precautions for Safe Handling	Store in well ventilated areas. Keep container tightly closed and dry. Do not store with acids. Take precautionary measures against static discharges.
Con	ditions for Safe Storage Requirements to be met by Storerooms and receptacles	Store in a dry place. Keep away from sources of ignition and strong oxidizing agents. Do not use food containers. Risk of confusion! Containers are clearly and permanently labelled. Store in the original container if possible. Keep container tightly closed.
	Information about storage in one common storage facility	Do not store together with acids. Store away from foodstuffs. Store away from flammable substances.
	Further information about storage conditions	The storage in one common storage facility with materials belonging to another storage classes is only possible under certain conditions. The substance should not be stored with substances, which can lead to dangerous reactions. Keep container tightly sealed.
	EXPOSURE CONTROLS/PER	SONAL PROTECTION
	trol Parameters EL Values	
שאוט		

Dermal (Long Term	3.33 mg/kg bw/day
Exposure) Inhalation (Long Term	6.67 mg/m ³
Exposure)	C C

0.023 mg/L; Assessment factor 1000



	PNEC _{aqua} (marine water) PNEC _{aqua} (intermittent releases)	0.0023 mg/L; Assessment factor 1000 0.23 mg/L; Assessment factor 100
	PNEC _{STP}	100 mg/L
	This product does not have an	ACGIH TLV or OSHA PEL.
	Ingredients with limit values that require monitoring at the workplace	Contains no substances with occupational exposure limits.
	Additional Information	The lists valid during the making were used as basis.
Exp	oosure Controls Personal protective equipment general protective and hygienic measures	Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.
	Ventilation	A general exhaust system is recommended.
	Respiratory Protection	NIOSH/MSHA approved respirator or follow the requirement of the local governing body. In case of an accidental release it is recommended to wear respiratory protection such as particle filter P2 or P3.
	Hand Protection	Protective gloves according to proper IH procedures.
	Eye and Face Protection	In cases where there is likelihood of eye contact, wear chemical goggles.
	Skin and Body Protection	Protective work clothing
	Environmental Exposure	Product as well as with product contaminated constituents, cleaning or solvent: do not release into the environment. Dispose of as hazardous waste in accordance with EC directives on waste.
9.	PHYSICAL AND CHEMICAL F	
	Color	White to light gray powder
	Form	Solid
	Odor	Odorless
	Odor threshold	No data available
	рН	2.5
	Melting/Freezing point	The substance decomposes prior to melting
	Boiling point	The substance decomposes prior to melting
	Flash point	Not applicable

- Evaporation rate Not applicable
- Flammability (solid, gas) Substance is not flammable



	Upper explosion limit	No data available
	Lower explosion limit	No data available
	Vapor pressure	<0.01 hPa
	Density	1.862 g/cm ³
	Water solubility at 20°C	12 g/L (Value used for CSA)
	Segregation coefficient (n- octanol/water) at 25°C	-2.3 log POW
	Ignition temperature	No data available
	Decomposition temperature	ca. 288°C
	Self-igniting	331°C at 1013 hPa (Valued used for CSA)
	Danger of explosion	No data available
	Dynamic viscosity	Not applicable
	Kinematic viscosity	Not applicable
10	. STABILITY AND REACTIVITY	,
	Reactivity	No data available
	Chemical stability	Stable at normal storage and handling conditions
	Possibility of hazardous reactions	No data available

reactions	
Conditions to avoid	No data available
Incompatible materials	Strong oxidizers, acids
Hazardous decomposition products	The substance emits toxic fumes of carbon monoxide, carbon dioxide, and oxide of sulfur and nitrogen under fire conditions. If involved in a fire, it may emit noxious and toxic fumes.

11. TOXILOGICAL INFORMAT	
Inhalation	Dust may be irritant to the upper respiratory tract.
Ingestion	Unlikely to be hazardous if swallowed.
Eye Contact	Irritating to eyes.
Skin Contact	Irritating to skin.
Long-Term Exposure	No long-term effects have been identified.
Acute Oral Toxicity	LD50: >2000 mg/kg bw (rat) OECD Guideline 423 (Acute Oral Toxicity – Acute Toxic Class Method)
Acute Dermal Toxicity	LD50: >2000 mg/kg bw (rat) OECD Guideline 402 (Acute Dermal Toxicity)



Acute Inhalation Toxicity	No study performed as exposure is highly unlikely due to low vapor pressure.
Skin Irritation/Corrosion	Not an irritant per testing. Classification is according to CLP Harmonized Classification. OECD Guideline 405 (Acute Eye Irritation/Corrosion)
Eye Irritation/Corrosion	Rabbit ca. 2(mean) (Time Point: 24, 48, and 72h) (fully reversible)
Skin Sensitization	Not a sensitizer per testing. Classification is according to CLP Harmonized Classification.
	OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay)
Germ Cell Mutagenicity in vitro:	Negative; S. typhimurium Doses: 1-1000 □g/plate Equivalent or similar to OECD Guideline 471 (Bacterial Reverse Mutation Assay)
in vivo:	Negative; mouse and rat C. Westmoreland and D.G. Gatehouse (1991)
Carcinogenicity	Not a carcinogen Borzelleca rat/mice
	No component of this substance present at levels greater than or equal to 0.1% is identified as a probable, possible, or confirmed carcinogen by IARC, ACGIH, NTP or OSHA.
Reproductive toxicity oral	NOAEL: 1000 mg/kg bw/day OECD Guideline 421 (Reproduction/Developmental Toxicity Screening Test)
STOT: Single Exposure	No information available.
STOT: Repeated Exposure	No information available.
12. ECOLOGICAL INFORMATION Toxicity	
Toxicity to Fish	Fish (low toxicity to fish) LC50: 100.8 mg/L Exposure time: 96 h
Toxicity to Aquatic Invertebrates	Daphnia (harmful to aquatic invertebrates) EC50: 85.7 mg/L Exposure time: 48 h
Persistence and Degradability	Readily Biodegradable OECD Guideline 301D
Bioaccumulative Potential	Due to the distribution coefficient n-octanol/water an accumulation in organisms is not expected.
Mobility in Soil	No further information available.
Other Information	



Elimination	COD removal, adapted activated OECD guideline
Sludge Assessment	Readily biodegradable, according to appropriate OECD guideline
Water Solubility Results	The substance is soluble in water
Results of PBT and VPVB Assessment PBT vPvB	Not applicable Not applicable
Ecotoxical Effects Remark	The substance is substantially removed in a biological treatment process. Tests show that the inhibition of aerobic wastewater bacterial is unlikely.
Other Information	Ecotoxicity: This environmental hazard assessment is based on information available on similar substances and actual test.
Additional Ecological Information General Notes	Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.
	Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
13. DISPOSAL CONSIDERATION	IS
Wasta Tractment Mathada	Dispass of apparding to least otato, and national guidalines. Must not be

Waste Treatment Methods Dispose of according to local, state, and national guidelines. Must not be disposed together with household garbage. Do not allow product to reach sewage system.

14. TRANSPORT INFORMATION

Substance is not classified as dangerous for transportation.

15. REGULATORY INFORMATION

CERCLA	This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by CERCLA Title 40, Part 302.4.
SARA 311/312	Refer to Section 2 for OSHA Hazard Classification.
SARA 313	This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
TSCA	This substance is listed in the TSCA database.
California Proposition 65	This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.
Chemical Safety Assessment	A Chemical Safety Assessment has been carried out.
SEVESO Substance	No



German Storage Class (LGK)

13 (Non-flammable solids that cannot be assigned to any of the aforementioned LGK)

16. OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Date of Last Revision	April 1, 2023
Further Information	All the information mentioned in this SDS are compliant with the COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
Abbreviations and Acronyms EC50	Effective concentration, 50 percent
GHS	Globally Harmonized System of Classification and Labelling of Chemicals
EINECS	European Inventory of Existing Commercial Chemical Substances
CAS	Chemical Abstracts Service (division of the American Chemical Society)
LC50	Lethal concentration, 50 percent
LD50	Lethal dose, 50 percent
Annexes Annex 1	Exposure Scenario 1 – Manufacturing
Annex 2	Exposure Scenario 1 – Manufacturing of Fine Chemicals
Annex 3	Exposure Scenario 1 – Formulation

Annex 1: Exposure Scenario 1 – Manufa

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PROCESS	DURATION	RESPIRATORY PROTECTION	FURTHER RISK MANAGEMENT MEASURES
PROC 1: Use in a closed process, no likelihood of exposure	> 4 hours (default)	No	No
PROC 2: Use in a closed, continuous process with occasional controlled exposure	> 4 hours (default)	No	No
PROC 3: Use in a closed batch process (synthesis or formulation)	> 4 hours (default)	No	No
PROC 4: Use in a batch and other process (synthesis) where opportunity for exposure arises	> 4 hours (default)	90%	Gloves: 80% effective
PROC 8A: Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non- dedicated facilities	1 – 4 hours	90%	Gloves: 80% effective
PROC 8B: Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities	> 4 hours (default)	90%	Gloves: 80% effective

Setting – Industrial; Form – Solid; Dustiness – High; Ventilation – Indoor w/o LEV;

Annex 2: Exposure Scenario 2 – Manufacturing of Fine Chemicals

PROCESS	DURATION	RESPIRATORY PROTECTION	FURTHER RISK MANAGEMENT MEASURES
PROC 3: Use in a closed batch process (synthesis or formulation)	> 4 hours (default)	No	No
PROC 4: Use in a batch and other process (synthesis) where opportunity for exposure arises	> 4 hours (default)	No	No
PROC 15: Use of laboratory reagents in small scale laboratories	> 4 hours (default)	No	No

Setting – Industrial; Form – Solid; Dustiness – High; Ventilation – Indoor w/o LEV;

Annex 3: Exposure Scenario 3 – Formulation

DURATION	RESPIRATORY	FURTHER RISK		
	PROTECTION	MANAGEMENT		
		MEASURES		
> 4 hours (default)	90%	Gloves: 80% effective		
	DURATION > 4 hours	DURATIONRESPIRATORY PROTECTION> 4 hours90%		