

SAFETY DATA SHEET

Creation Date 19-Apr-2012

Revision Date 25-Dec-2021

Revision Number 5

1. Identification			
Product Name	2-Amino-5-nitrophenol		
Cat No. :	AC400900000; AC400900010; AC400900250; AC400900500; AC400902500		
CAS No	121-88-0		
Synonyms	2-Hydroxy-4-nitroaniline; 4-Amino-3-hydroxynitrobenzene; C.I. 76535		
Recommended Use	Laboratory chemicals.		
Uses advised against	Food, drug, pesticide or biocidal product use.		

<u>Company</u> Fisher Scientific Company One Reagent Lane Fair Lawn, NJ 07410 Tel: (201) 796-7100

Acros Organics One Reagent Lane Fair Lawn, NJ 07410

Emergency Telephone Number

For information **US** call: 001-800-ACROS-01 / **Europe** call: +32 14 57 52 11 Emergency Number **US:**001-201-796-7100 / **Europe:** +32 14 57 52 99 **CHEMTREC** Tel. No.**US:**001-800-424-9300 / **Europe:**001-703-527-3887

2. Hazard(s) identification

Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute oral toxicity	Category 4
Serious Eye Damage/Eye Irritation	Category 2
Skin Sensitization	Category 1
Skin Sensitization	Category 1

Label Elements

Signal Word Warning

Hazard Statements Harmful if swallowed

May cause an allergic skin reaction

Causes serious eye irritation



Precautionary Statements Prevention

Wash face, hands and any exposed skin thoroughly after handling

Do not eat, drink or smoke when using this product

Avoid breathing dust/fume/gas/mist/vapors/spray

Contaminated work clothing should not be allowed out of the workplace Wear protective gloves/protective clothing/eye protection/face protection

Skin

IF ON SKIN: Wash with plenty of soap and water

If skin irritation or rash occurs: Get medical advice/attention

Wash contaminated clothing before reuse

Eves

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing If eye irritation persists: Get medical advice/attention

Ingestion

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell

Rinse mouth

Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

Harmful to aquatic life with long lasting effects

3. Composition/Information on Ingredients				
Component 2-Amino-5-nitrophenol		CAS No 121-88-0	Weight % 95	
4. First-aid measures				
General Advice	If symptoms persist, call a physician.			
Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.			
Skin Contact	Wash off immediately with plenty of water for at least 15 minutes. If skin irritation persists, call a physician.			
Inhalation	Remove to fresh air. If not breathing, give artificial respiration. Get medical attention if symptoms occur.			
Ingestion	Clean mouth with water and drink afterwards plenty of water. Get medical attention if symptoms occur.			
Most important symptoms and effects Notes to Physician	None reasonably foreseeable. May cause allergic skin reaction. Symptoms of allergic reaction may include rash, itching, swelling, trouble breathing, tingling of the hands and feet, dizziness, lightheadedness, chest pain, muscle pain or flushing Treat symptomatically			

5. Fire-fighting measures

Suitable Extinguishing Media

Water spray, carbon dioxide (CO2), dry chemical, alcohol-resistant foam.

Unsuitable Extinguishing Media	No information available
Flash Point	No information available
Method -	No information available
Autoignition Temperature Explosion Limits	Not applicable
Upper	No data available
Lower	No data available

Sensitivity to Mechanical Impact No information available Sensitivity to Static Discharge No information available

Specific Hazards Arising from the Chemical Keep product and empty container away from heat and sources of ignition.

Hazardous Combustion Products

Nitrogen oxides (NOx). Carbon monoxide (CO). Carbon dioxide (CO $_2$).

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

<u>NFPA</u>	HealthFlammability21		Instability 0	Physical hazards N/A
		6. Accidental rel	ease measures	
Personal F	Precautions	Ensure adequate ventilation formation.	n. Use personal protective equ	ipment as required. Avoid dust
Environme	ental Precautions	Should not be released into sewer system.	the environment. Do not flush	into surface water or sanitary
Methods fo Up	or Containment and Cle	an Sweep up and shovel into s containers for disposal.	uitable containers for disposal	. Keep in suitable, closed
		7. Handling a	and storage	
Handling				uipment/face protection. Do not halation. Avoid dust formation.
Storage.		Keep in a dry, cool and wel Materials. Strong oxidizing		ner tightly closed. Incompatible
	8. E	Exposure controls /	personal protection	on
Exposure	<u>Guidelines</u>		ain any hazardous materials wi ion specific regulatory bodies.	th occupational exposure
Engineerir	ng Measures		n, especially in confined areas. se to the workstation location.	Ensure that eyewash stations
<u>Personal F</u>	Protective Equipment			

Eye/face Protection	Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
Skin and body protection	Wear appropriate protective gloves and clothing to prevent skin exposure.
Respiratory Protection	Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice.

9. Physical and chemical properties

Solid
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202 °C / 388.4 - 395.6 °F
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mation available
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licable
mation available
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licable
N2 O3
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10. Stability and reactivity

Reactive Hazard	None known, based on information available	
Stability	Stable under normal conditions.	
Conditions to Avoid	Incompatible products. Avoid dust formation.	
Incompatible Materials	Strong oxidizing agents	
Hazardous Decomposition Product	s Nitrogen oxides (NOx), Carbon monoxide (CO), Carbon dioxide (CO ₂)	
Hazardous Polymerization	Hazardous polymerization does not occur.	
Hazardous Reactions	None under normal processing.	

11. Toxicological information

Acute Toxicity

Product Information Component Information			
Component	LD50 Oral	LD50 Dermal	LC50 Inhalation

2-Amino-5-nitrophenol		LD50 > 4 g/kg (Rat)	Not listed	No	t listed
Toxicologically Synergistic Products		No information available				
Delayed and Immed	late effects as v	ell as chronic effe	cts from short an	a long-term expo	<u>sure</u>	
Irritation		Irritating to eyes				
Sensitization		May cause sensitiz	zation by skin cont	act		
Carcinogenicity		The table below in	dicates whether ea	ach agency has list	ed any ingredient a	as a carcinogen.
Component	CAS No	IARC	NTP	ACGIH	OSHA	Mexico
2-Amino-5-nitrophenol	121-88-0	Not listed	Not listed	Not listed	Not listed	Not listed
Mutagenic Effects		Substances which the available inform				
Reproductive Effects		No information available.				
Developmental Effe	cts	No information available.				
Teratogenicity		No information available.				
STOT - single exposureNone knownSTOT - repeated exposureNone known						
Aspiration hazard		No information available				
Symptoms / effects,both acute and Symptoms of allergic reaction may include rash, itching, swelling, trouble breathing, of the hands and feet, dizziness, lightheadedness, chest pain, muscle pain or flushing						
Endocrine Disrupto	r Information	nation No information available				
Other Adverse Effects		The toxicological properties have not been fully investigated.				
		12. Ecolo	ogical infor	mation		

Ecotoxicity

Do not empty into drains. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Persistence and Degradability	Insoluble in water
Bioaccumulation/ Accumulation	No information available.
Mobility	Is not likely mobile in the environment due its low water solubility.

Use Disposal Methods Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

14. Transport information		
DOT	Not regulated	
DOT TDG IATA	Not regulated	
ΙΑΤΑ	Not regulated	
IMDG/IMO	Not regulated	
15. Regulatory information		

United States of America Inventory

Component	CAS No	TSCA	TSCA Inventory notification - Active-Inactive	TSCA - EPA Regulatory Flags
2-Amino-5-nitrophenol	121-88-0	Х	ACTIVE	-

Legend:

TSCA US EPA (TSCA) - Toxic Substances Control Act, (40 CFR Part 710)

X - Listed '-' - Not Listed

TSCA 12(b) - Notices of Export Not applicable

International Inventories

Canada (DSL/NDSL), Europe (EINECS/ELINCS/NLP), Philippines (PICCS), Japan (ENCS), Japan (ISHL), Australia (AICS), China (IECSC), Korea (KECL).

Component	CAS No	DSL	NDSL	EINECS	PICCS	ENCS	ISHL	AICS	IECSC	KECL
2-Amino-5-nitrophenol	121-88-0	Х	-	204-503-8	-	Х	Х	Х	Х	KE-01514

KECL - NIER number or KE number (http://ncis.nier.go.kr/en/main.do)

U.S. Federal Regulations

SARA 313	Not applicable
SARA 311/312 Hazard Categories	See section 2 for more information
CWA (Clean Water Act)	Not applicable
Clean Air Act	Not applicable
OSHA - Occupational Safety and Health Administration	Not applicable
CERCLA	Not applicable
California Proposition 65	This product does not contain any Proposition 65 chemicals.
U.S. State Right-to-Know Regulations	Not applicable
U.S. Department of Transportation Reportable Quantity (RQ): DOT Marine Pollutant DOT Severe Marine Pollutant	N N N
U.S. Department of Homeland Security	This product does not contain any DHS chemicals.
Other International Regulations	
Mexico - Grade	No information available
Authorization (Destrictions secondin	

Authorisation/Restrictions according to EU REACH

ſ	Component	REACH (1907/2006) - Annex XIV -	REACH (1907/2006) - Annex XVII -	REACH Regulation (EC
	-	Substances Subject to	Restrictions on Certain Dangerous	1907/2006) article 59 - Candidate
		Authorization	Substances	List of Substances of Very High
				Concern (SVHC)

2-Amino-5-nitrophenol	-	Use restricted. See item 75.	-
		(see link for restriction details)	

https://echa.europa.eu/substances-restricted-under-reach

Safety, health and environmental regulations/legislation specific for the substance or mixture

Component	CAS No	OECD HPV	Persistent Organic Pollutant	Ozone Depletion Potential	Restriction of Hazardous Substances (RoHS)
2-Amino-5-nitrophenol	121-88-0	Not applicable	Not applicable	Not applicable	Not applicable
Component	CAS No	Seveso III Directive (2012/18/EC) - Qualifying Quantities for Major Accident Notification	Seveso III Directive (2012/18/EC) - Qualifying Quantities for Safety Report Requirements	Rotterdam Convention (PIC)	Basel Convention (Hazardous Waste)
2-Amino-5-nitrophenol	121-88-0	Not applicable	Not applicable	Not applicable	Not applicable

	16. Other information
Prepared By	Regulatory Affairs Thermo Fisher Scientific Email: EMSDS.RA@thermofisher.com
Creation Date Revision Date Print Date Revision Summary	19-Apr-2012 25-Dec-2021 25-Dec-2021 This document has been updated to comply with the US OSHA HazCom 2012 Standard replacing the current legislation under 29 CFR 1910.1200 to align with the Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

End of SDS