

Safety Data Sheet

acc. to OSHA HCS

Printing date 10/19/2023

Revision date 10/19/2023

Page 1/9

1 Identification Product identifier · Trade name: AG-126 · Synonym 2-[(3-hydroxy-4-nitrophenyl)methylene]-propanedinitrile Tyrphostin AG-126 · Article number: 13297 · CAS Number: 118409-62-4 · EC number: 634-194-9 · Application of the substance / the mixture This product is for research use - Not for human or veterinary diagnostic or therapeutic use. · Details of the supplier of the safety data sheet Manufacturer/Supplier: Cayman Chemical Co. 1180 E. Ellsworth Rd. Ann Arbor, MI 48108 USA · Information department: Product safety department · Emergency telephone number: During normal opening times: +1 (734) 971-3335 US/CANADA: 800-424-9300 Outside US/CANADA: 703-741-5970 2 Hazard(s) identification

· Classification of the substance or mixture

GHS06 Skull and crossbones

Acute Toxicity - Oral 2H300 Fatal if swallowed.Acute Toxicity - Dermal 3H311 Toxic in contact with skin.Acute Toxicity - Inhalation 3H331 Toxic if inhaled.

GHS07

Skin Irritation 2 Eye Irritation 2A H315 Causes skin irritation. H319 Causes serious eye irritation.

(Contd. on page 2)

US

Printing date 10/19/2023

Revision date 10/19/2023

Trade name: AG-126

	(Contd. from page 1)			
· Label element				
GHS label eler				
 Hazard pictog 	is classified and labeled according to the Globally Harmonized System (GHS). rams			
GHS06 GHS	507			
· Signal word D				
· Hazard statem				
	atal if swallowed.			
	oxic in contact with skin or if inhaled. auses skin irritation.			
	auses serious eye irritation.			
· Precautionary				
P261	Avoid breathing dust/fume/gas/mist/vapors/spray			
P264	Wash thoroughly after handling.			
P270	Do not eat, drink or smoke when using this product.			
P271	Use only outdoors or in a well-ventilated area.			
P280	Wear protective gloves/protective clothing/eye protection/face protection.			
P301+P310	If swallowed: Immediately call a poison center/doctor.			
P321	Specific treatment (see on this label).			
P330 P302+P352	Rinse mouth. If on skin: Wash with plenty of water.			
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.			
P311	Call a poison center/doctor.			
	338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if			
	present and easy to do. Continue rinsing.			
P312	Call a poison center/doctor if you feel unwell.			
P361+P364	Take off immediately all contaminated clothing and wash it before reuse.			
P332+P313	If skin irritation occurs: Get medical advice/attention.			
P337+P313	If eye irritation persists: Get medical advice/attention.			
P403+P233 P405	Store in a well-ventilated place. Keep container tightly closed. Store locked up.			
P501	Dispose of contents/container in accordance with local/regional/national/international			
1 001	regulations.			
 Classification 	system:			
· NFPA ratings	(scale 0 - 4)			
	ealth = 4			
	each = 4			
	eactivity = 0			
· HMIS-ratings ((scale 0 - 4)			
HEALTH 3	Health = 3			
FIRE 0 Fire = 0				
REACTIVITY 0 F	Reactivity = 0			
· Other hazards				
	T and vPvB assessment			
· PBT: Not appli				
	(Contd. on page 3)			
	US			

Printing date 10/19/2023

Revision date 10/19/2023

Trade name: AG-126

· vPvB: Not applicable.

(Contd. from page 2)

3 Composition/information on ingredients

- · Chemical characterization: Substances
- · CAS No. Description
- 118409-62-4 AG-126
- Identification number(s)
- · EC number: 634-194-9

4 First-aid measures

- · Description of first aid measures
- · General information:

Immediately remove any clothing soiled by the product.

Remove breathing apparatus only after contaminated clothing have been completely removed. In case of irregular breathing or respiratory arrest provide artificial respiration.

· After inhalation:

Supply fresh air or oxygen; call for doctor.

In case of unconsciousness place patient stably in side position for transportation.

• After skin contact: Immediately wash with water and soap and rinse thoroughly. • After eve contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

- After swallowing: Do not induce vomiting; immediately call for medical help.
- Information for doctor:
- Most important symptoms and effects, both acute and delayed
 No further relevant information available.
 Indication of any immediate medical attention and special treatment
- Indication of any immediate medical attention and special treatment needed No further relevant information available.

5 Fire-fighting measures

- · Extinguishing media
- **Suitable extinguishing agents:** Use fire fighting measures that suit the environment. A solid water stream may be inefficient.
- Special hazards arising from the substance or mixture No further relevant information available.
- Advice for firefighters
- · Protective equipment: Mouth respiratory protective device.

6 Accidental release measures

- · Personal precautions, protective equipment and emergency procedures Not required.
- · Environmental precautions: Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:** Dispose contaminated material as waste according to section 13. Ensure adequate ventilation.
- Reference to other sections
 See Section 7 for information on safe handling.
 See Section 8 for information on personal protection equipment.

(Contd. on page 4)

US

Printing date 10/19/2023

Revision date 10/19/2023

Trade name: AG-126

(Contd. from page 3)

- See Section 13 for disposal information.
- Protective Action Criteria for Chemicals
- PAC-1: Substance is not listed.
- PAC-2: Substance is not listed.
- PAC-3: Substance is not listed.

7 Handling and storage

· Handling:

- · Precautions for safe handling
- Thorough dedusting.

Ensure good ventilation/exhaustion at the workplace. Open and handle receptacle with care.

- **Information about protection against explosions and fires:** Keep respiratory protective device available.
- · Conditions for safe storage, including any incompatibilities
- Storage: Store in accordance with information listed on the product insert.
- Requirements to be met by storerooms and receptacles: No special requirements.
- Information about storage in one common storage facility: Not required.
- Further information about storage conditions: Keep receptacle tightly sealed.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

• Additional information about design of technical systems: No further data; see section 7.

- · Control parameters
- · Components with limit values that require monitoring at the workplace: Not required.
- Additional information: The lists that were valid during the creation were used as basis.
- Exposure 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.

Store protective clothing separately.

Avoid contact with the eyes and skin.

· Breathing equipment:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

· Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

(Contd. on page 5)

US

Printing date 10/19/2023

Revision date 10/19/2023

Trade name: AG-126

(Contd. from page 4)

• Material of gloves The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

• Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

• Eye protection:



Tightly sealed goggles

9 Physical and chemical properties				
 Information on basic physical and General Information 	chemical properties			
 Appearance: Form: Color: Odor: Structural Formula Molecular Weight Odor threshold: 	Solid Not determined. Characteristic C10H5N3O3 215.2 g/mol Not determined.			
· pH-value:	Not applicable.			
 Change in condition Melting point/Melting range: Boiling point/Boiling range: 	Undetermined. Undetermined.			
· Flash point:	Not applicable.			
· Flammability (solid, gaseous):	Product is not flammable.			
· Decomposition temperature:	Not determined.			
· Ignition temperature:	Not determined.			
· Danger of explosion:	Product does not present an explosion hazard.			
 Explosion limits: Lower: Upper: 	Not determined. Not determined.			
· Vapor pressure:	Not applicable.			
 Density: Relative density Vapor density Evaporation rate 	Not determined. Not determined. Not applicable. Not applicable.			
Solubility in / Miscibility with Water:	Not determined.			
· Partition coefficient (n-octanol/water): Not determined.				
· Viscosity: Dynamic:	Not applicable.			
	(Contd. on page 6			

US

Printing date 10/19/2023

Revision date 10/19/2023

Trade name: AG-126

	(Contd. from page 5)
Kinematic: SOLUBILITY	Not applicable. DMF: 10 mg/ml; DMSO: 10 mg/ml; DMSO:PBS (pH 7.2) (1: 1): 0.5 mg/ml; Ethanol: 0.15 mg/ml
· Other information	No further relevant information available.

10 Stability and reactivity

- · Reactivity No further relevant information available.
- · Chemical stability
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- Possibility of hazardous reactions No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- · Incompatible materials: strong oxidizing agents
- · Hazardous decomposition products: carbon oxides, hydrogen cyanide, nitrogen oxides

11 Toxicological information

- · Information on toxicological effects
- Acute toxicity:
- · Primary irritant effect:
- on the skin: Irritant to skin and mucous membranes.
- on the eye: Irritating effect.
- · Sensitization: No sensitizing effects known.
- · Additional toxicological information:
- · Carcinogenic categories
- · IARC (International Agency for Research on Cancer) Substance is not listed.
- · NTP (National Toxicology Program) Substance is not listed.
- · OSHA-Ca (Occupational Safety & Health Administration) Substance is not listed.

12 Ecological information

- · Toxicity
- · Aquatic toxicity: No further relevant information available.
- · Persistence and degradability No further relevant information available.
- Behavior in environmental systems:
- · Bioaccumulative potential No further relevant information available.
- Mobility in soil No further relevant information available.
- Additional ecological information:
- · General notes:
- Water hazard class 1 (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.

- Results of PBT and vPvB assessment
- · **PBT:** Not applicable.
- · vPvB: Not applicable.

(Contd. on page 7)

US -

Printing date 10/19/2023

Revision date 10/19/2023

(Contd. from page 6)

Trade name: AG-126

· Other adverse effects No further relevant information available.

13 Disposal considerations

· Waste treatment methods

· Recommendation:

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

· Uncleaned packagings:

• **Recommendation:** Disposal must be made according to official regulations.

UN-Number DOT, IMDG, IATA	UN2811
UN proper shipping name DOT IMDG IATA	Toxic solids, organic, n.o.s. (AG-126) TOXIC SOLID, ORGANIC, N.O.S. (AG-126) Toxic solid, organic, n.o.s. (AG-126)
Transport hazard class(es)	
DOT	
	6.1 Tovio substances
Class Label	6.1 Toxic substances 6.1
IMDG, IATA	
Class	6.1 Toxic substances
Label	6.1
Packing group DOT, IMDG, IATA	1
Environmental hazards:	Not applicable.
Special precautions for user Hazard identification number (Kemler code): EMS Number:	Warning: Toxic substances 66 F-A,S-A
Stowage Category	В
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.

Printing date 10/19/2023

Revision date 10/19/2023

Trade name: AG-126

(Contd. from page 7)
sraft/rail: 5 kg only: 50 kg
ntity per inner packaging: 1 g
ntity per outer packaging: 300 g
ntities of less than or equal to 1 mL cepted Quantity Code of 5, this item meets the De Minimis ion, per IATA 2.6.10. ging does not have to be labeled as /Excepted Quantity.
SOLID, ORGANIC, N.O.S. (AG-126)

15 Regulatory information

• Safety, health and environmental regulations/legislation specific for the substance or mixture No further relevant information available.

- · Sara
- · Section 355 (extremely hazardous substances): Substance is not listed.
- Section 313 (Specific toxic chemical listings): Substance is not listed.
- TSCA (Toxic Substances Control Act): Substance is not listed.
- · Hazardous Air Pollutants Substance is not listed.
- · Proposition 65
- · Chemicals known to cause cancer: Substance is not listed.
- · Chemicals known to cause reproductive toxicity for females: Substance is not listed.
- Chemicals known to cause reproductive toxicity for males: Substance is not listed.
- · Chemicals known to cause developmental toxicity: Substance is not listed.
- · Carcinogenic categories
- EPA (Environmental Protection Agency) Substance is not listed.
- TLV (Threshold Limit Value) Substance is not listed.
- · NIOSH-Ca (National Institute for Occupational Safety and Health) Substance is not listed.
- · Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

All chemicals may pose unknown hazards and should be used with caution. This SDS applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this SDS. Cayman Chemical Company assumes no responsibility for incidental or consequential damages, including lost profits, arising from the use of these data. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this SDS is based on technical data judged to be reliable, Cayman Chemical Company assumes no responsibility for the completeness or accuracy of the information contained herein.

(Contd. on page 9)

US

Printing date 10/19/2023

Revision date 10/19/2023

Trade name: AG-126

	(Contd. from page 8)
 Department issuing SDS: Environment protection department. 	
Contact: -	
 Date of preparation / last revision 10/19/2023 	
Abbreviations and acronyms:	
IMDG: International Maritime Code for Dangerous Goods	
DOT: US Department of Transportation	
IATA: International Air Transport Association	
EINECS: European Inventory of Existing Commercial Chemical Substances	
CAS: Chemical Abstracts Service (division of the American Chemical Society)	
NFPA: National Fire Protection Association (USA) HMIS: Hazardous Materials Identification System (USA)	
PBT: Persistent, Bioaccumulative and Toxic	
vPvB: very Persistent and very Bioaccumulative	
NIOSH: National Institute for Occupational Safety	
OSHA: Occupational Safety & Health	
TLV: Threshold Limit Value	
PEL: Permissible Exposure Limit	
REL: Recommended Exposure Limit	
Acute Toxicity - Oral 2: Acute toxicity – Category 2 Acute Toxicity - Dermal 3: Acute toxicity – Category 3	
Skin Irritation 2: Skin corrosion/irritation – Category 2	
Eye Irritation 2A: Serious eye damage/eye irritation – Category 2A	
* * Data compared to the previous version altered.	
	00