

Safety Data Sheet

acc. to OSHA HCS

Printing date 03/19/2024

Revision date 03/19/2024

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1 Identification

- · Product identifier
- · Trade name: PAF-AH Inhibitor Screening Assay Buffer (10X)
- Synonym PAF-AH Assay Buffer (10X); PAF Acetylhydrolase Assay Buffer (10X)
- · Article number: 10004800
- **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

GHS07

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

· Label elements

· GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

Hazard pictograms



· Signal word Warning

· Hazard statements

H315 Causes skin irritation.

H319 Causes serious eye irritation.

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· Procentionany		n page 1)
-	statements	
P264	Wash thoroughly after handling.	
P280	Wear protective gloves / eye protection / face protection.	
P302+P352	If on skin: Wash with plenty of water.	
P321	Specific treatment (see on this label).	
P305+P351+P3	338 If in eyes: Rinse cautiously with water for several minutes. Remove contact le	nses, if
D000 . D040	present and easy to do. Continue rinsing.	
P332+P313	If skin irritation occurs: Get medical advice/attention.	
P362+P364	Take off contaminated clothing and wash it before reuse.	
P337+P313	If eye irritation persists: Get medical advice/attention.	
Classification		
· NFPA ratings ((scale 0 - 4)	
н	ealth = 2	
	each = 2	
	eactivity = 0	
	cuolivity o	
· HMIS-ratings ((scale 0 - 4)	
FIRE 0 F	Health = 2 Fire = 0 Reactivity = 0	
• Other hazards • Results of PBT • PBT: Not applic • vPvB: Not appl	T and vPvB assessment cable.	
• Results of PB • PBT: Not applie	T and vPvB assessment cable.	
• Results of PBT • PBT: Not applie • vPvB: Not appl	T and vPvB assessment cable.	
• Results of PBT • PBT: Not applie • vPvB: Not appl 3 Composition • Chemical char	T and vPvB assessment cable. licable.	
• Results of PBT • PBT: Not applie • vPvB: Not appl 3 Composition • Chemical char	T and vPvB assessment cable. licable. n/information on ingredients racterization: Mixtures /ixture of the substances listed below with nonhazardous additions.	
• Results of PBT • PBT: Not applid • vPvB: Not appl • Chemical char • Description: M	T and vPvB assessment cable. licable. n/information on ingredients racterization: Mixtures /lixture of the substances listed below with nonhazardous additions. mponents:	12.1%
Results of PBT PBT: Not applid vPvB: Not appl Composition Chemical char Description: M Dangerous com	T and vPvB assessment cable. licable. n/information on ingredients racterization: Mixtures /lixture of the substances listed below with nonhazardous additions. mponents: Tris base	12.1%
 Results of PBT PBT: Not applid vPvB: Not appl 3 Composition Chemical char Description: M Dangerous con CAS: 77-86-1 	T and vPvB assessment cable. licable. n/information on ingredients racterization: Mixtures /ixture of the substances listed below with nonhazardous additions. mponents:	12.1%
 Results of PBT PBT: Not applid vPvB: Not appl 3 Composition Chemical char Description: M Dangerous con CAS: 77-86-1 RTECS: TY290 	T and vPvB assessment cable. licable. n/information on ingredients racterization: Mixtures /lixture of the substances listed below with nonhazardous additions. mponents: 00000 Tris base	12.1%

4 First-aid measures

- · Description of first aid measures
- General information: Immediately remove any clothing soiled by the product.
- After inhalation: 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 eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- After swallowing: If symptoms persist consult doctor.
- Information for doctor:
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.

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• **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: No special measures required.

6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures Not required.
 Environmental precautions:
- Dilute with plenty of water.
- Do not allow to enter sewers/ surface or ground water.
- Methods and material for containment and cleaning up:
- Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- 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.
 Protective Action Criteria for Chemicals

· PAC-1:	
77-86-1 Tris base	18 mg/m³
· PAC-2:	
77-86-1 Tris base	190 mg/m³
· PAC-3:	
77-86-1 Tris base	1,200 mg/m ³

7 Handling and storage

- · Handling:
- · Precautions for safe handling
- No special precautions are necessary if used correctly. Avoid breathing dust/fume/gas/mist/vapours/spray.
- Avoid prolonged or repeated exposure.
- Keep away from sources of ignition.
- Take precautionary measures against static discharge.re.
- · Information about protection against explosions and fires: No special measures required.
- · 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.

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· 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:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

- 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. Avoid contact with the eyes and skin.
- Breathing equipment: Not required.
- · 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

• 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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

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 chemical properties
- · General Information
- Appearance:
 - Form:
 - Color:

Liquid According to product specification

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	(Contd. from page 4
 Odor: Odor threshold: Formulation 	Characteristic Not determined. 1 M Tris-HCl, pH 7.2
pH-value at 20 °C (68 °F):	7.2
• Change in condition Melting point/Melting range: Boiling point/Boiling range:	Undetermined. 100 °C (212 °F)
· Flash point:	Not applicable.
· Flammability (solid, gaseous):	Not applicable.
· Decomposition temperature:	Not determined.
· Ignition temperature:	Product is not selfigniting.
· Danger of explosion:	Product does not present an explosion hazard.
 Explosion limits: Lower: Upper: 	Not determined. Not determined.
· Vapor pressure at 20 °C (68 °F):	23 hPa (17.3 mm Hg)
[·] Density at 20 °C (68 °F):	0.98064 g/cm³ (8.18344 lbs/gal)
 Bulk density: Relative density Vapor density Evaporation rate 	981 kg/m³ Not determined. Not determined. Not determined.
 Solubility in / Miscibility with Water: 	Fully miscible.
· Partition coefficient (n-octanol/wate	er): Not determined.
 Viscosity: Dynamic: Kinematic: 	Not determined. Not determined.
 Solvent content: Water: VOC content: 	87.9 % 0.00 % 0.0 g/l / 0.00 lb/gal
Solids content:	12.1 %
· 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.
- \cdot Conditions to avoid No further relevant information available.

· Incompatible materials: No further relevant information available.

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· Hazardous decomposition products: No dangerous decomposition products known.

11 Toxicological information

· Information on toxicological effects

• Acute toxicity:

· LD/LC50 values that are relevant for classification:

77-86-1 Tris base

Oral	TDLO	3,000 ml/kg (mouse)
	LD50	5,500 mg/kg (mouse)
		5,500 mg/kg (mouse) 5,900 mg/kg (rat)
	Intraperitoneal LD50	3,350 mg/kg (mouse)
	Intrapritoneal LD50	3,350 mg/kg (mouse)

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:

The product shows the following dangers according to internally approved calculation methods for preparations:

İrritant

· Carcinogenic categories

· IARC (International Agency for Research on Cancer)

None of the ingredients is listed.

· NTP (National Toxicology Program)

None of the ingredients is listed.

· OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is 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.
- Other adverse effects No further relevant information available.

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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.
- · Recommended cleansing agent: Water, if necessary with cleansing agents.

14 Transport information

· UN-Number · DOT, IMDG, IATA	not regulated
 UN proper shipping name DOT, IMDG, IATA 	not regulated
 Transport hazard class(es) 	
· DOT, ADN, IMDG, IATA · Class	not regulated
 Packing group DOT, IMDG, IATA 	not regulated
· Environmental hazards:	Not applicable.
· Special precautions for user	Not applicable.
 Transport in bulk according to Annex II o MARPOL73/78 and the IBC Code 	of Not applicable.
· UN "Model Regulation":	not regulated

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):

None of the ingredients is listed.

· Section 313 (Specific toxic chemical listings):

None of the ingredients is listed.

• TSCA (Toxic Substances Control Act):

All components have the value ACTIVE.

· Hazardous Air Pollutants

None of the ingredients is listed.

· Proposition 65

· Chemicals known to cause cancer:

None of the ingredients is listed.

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None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for males:

· Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

· Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

Carcinogenic categories

· EPA (Environmental Protection Agency)

None of the ingredients is listed.

• TLV (Threshold Limit Value)

None of the ingredients is listed.

· NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients is 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.

- · Department issuing SDS: Environment protection department.
- · Contact: -
- · Date of preparation / last revision 03/19/2024 / -

• 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

- ELINCS: European List of Notified Chemical Substances
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- NFPA: National Fire Protection Association (USA)
- HMIS: Hazardous Materials Identification System (USA)
- VOC: Volatile Organic Compounds (USA, EU) LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- 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
- Skin Irritation 2: Skin corrosion/irritation Category 2
- Eye Irritation 2A: Serious eye damage/eye irritation Category 2A

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1 Identification

- · Product identifier
- Trade name: <u>PAF-AH Inhibitor Screening Assay DTNB</u>
- · Synonym PAF-AH Assay DTNB; PAF Acetylhydrolase Assay DTNB
- · Article number: 10004801
- **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



Skin Irritation 2H315 Causes skin irritation.Eye Irritation 2AH319 Causes serious eye irritation.Specific Target Organ Toxicity - Single Exposure 3H335 May cause respiratory irritation.

· Label elements

· GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS). • Hazard pictograms



· Signal word Warning

 Hazard-determining components of labeling: Tris base DTNB

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	(Contd. 1	from page 1)				
· Hazard statements						
H315 Causes skin ir	H315 Causes skin irritation.					
H319 Causes serious eye irritation.						
H335 May cause res	H335 May cause respiratory irritation.					
Precautionary state	ements					
P261 A	void breathing dust/fume/gas/mist/vapors/spray					
	/ash thoroughly after handling.					
	se only outdoors or in a well-ventilated area.					
	/ear protective gloves / eye protection / face protection.					
	on skin: Wash with plenty of water.					
	F INHALED: Remove person to fresh air and keep comfortable for breathin	ad				
	in eyes: Rinse cautiously with water for several minutes. Remove contac	lienses, ii				
	resent and easy to do. Continue rinsing.					
	all a poison center/doctor if you feel unwell.					
	pecific treatment (see on this label).					
	ake off contaminated clothing and wash it before reuse.					
	skin irritation occurs: Get medical advice/attention.					
P337+P313 If	eye irritation persists: Get medical advice/attention.					
P403+P233 S	tore in a well-ventilated place. Keep container tightly closed.					
	tore locked up.					
	ispose of contents/container in accordance with local/regional/national/int	ernational				
	egulations.					
Classification syste	•					
• NFPA ratings (scale						
in i strutinge (eeu						
Health :	= 2					
Fire = C						
20 Reactiv						
 HMIS-ratings (scale 	e 0 - 4)					
HEALTH 2 Health = 2						
FIRE O Fire =						
REACTIVITY 0 Reactivity = 0						
Other hererde						
• Other hazards						
· Results of PBT and vPvB assessment						
• PBT: Not applicable.						
 vPvB: Not applicable 	9.					
3 Composition/inf	formation on ingredients					
Chemical character						
• Description: Mixture of the substances listed below with nonhazardous additions.						
· Dangerous components:						
CAS: 77-86-1	Tris base	92.44%				
RTECS: TY2900000						
CAS: 69-78-3	DTNB	7.56%				
RTECS: DG9650000		1.5070				

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4 First-aid measures

- · Description of first aid measures
- General information: Immediately remove any clothing soiled by the product.
- After inhalation: 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 eye contact:

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

- After swallowing: If symptoms persist consult doctor.
- 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 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: No special measures required.

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. See Section 13 for disposal information.
- Protective Action Criteria for Chemicals

· PAC-1:	
77-86-1 Tris base	18 mg/m³
· PAC-2:	
77-86-1 Tris base	190 mg/m³
· PAC-3:	
77-86-1 Tris base	1,200 mg/m³

7 Handling and storage

· Handling:

· Precautions for safe handling Ensure good ventilation/exhaustion at the workplace.

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- · Information about protection against explosions and fires: No special measures required.
- · 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:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

- 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.

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

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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· 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.

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· Eye protection:



Tightly sealed goggles

9 Physical and chemical properties

· Information on basic physical and	chemical properties
· General Information	
· Appearance:	
Form:	lyophilized
Color:	According to product specification
· Odor:	Characteristic
· Odor threshold:	Not determined.
· pH-value:	Not applicable.
· Change in condition	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	Undetermined.
· Flash point:	Not applicable.
· Flammability (solid, gaseous):	Not determined.
· Decomposition temperature:	Not determined.
· Ignition temperature:	Product is not selfigniting.
· Danger of explosion:	Product does not present an explosion hazard.
· Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
· Vapor pressure:	Not applicable.
· Density:	Not determined.
· Relative density	Not determined.
· Vapor density	Not applicable.
Evaporation rate	Not applicable.
· Solubility in / Miscibility with	
Water:	Soluble.
· Partition coefficient (n-octanol/wat	t er): Not determined.
· Viscosity:	
Dynamic:	Not applicable.
Kinematic:	Not applicable.
· Solvent content:	
VOC content:	0.00 %
Solids content:	100.0 %
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· 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: No further relevant information available.
- · Hazardous decomposition products: No dangerous decomposition products known.

11 Toxicological information

- · Information on toxicological effects
- · Acute toxicity:

· LD/LC50 values that are relevant for classification:					
77-86	6-1 Tris base				
Oral	TDLO	3,000 ml/kg (mouse)			
	LD50	5,500 mg/kg (mouse)			
		5,900 mg/kg (rat)			
	Intraperitoneal LD50	3,350 mg/kg (mouse)			
		3,350 mg/kg (mouse)			
69-78	8-3 DTNB				
	Intraperitoneal LD50	2,080 mg/kg (mouse)			
	ary irritant effect:				
•		n and mucous membranes.			
	ne eye: Irritating effec				
	sitization: No sensitiz				
	• Additional toxicological information:				
	The product shows the following dangers according to internally approved calculation methods for preparations:				
	Irritant				
· Carcinogenic categories					
·IARC	C (International Agen	cy for Research on Cancer)			
None of the ingredients is listed.					
· NTP (National Toxicology Program)					
None	None of the ingredients is listed.				
· OSHA-Ca (Occupational Safety & Health Administration)					
None	None of the ingredients is listed.				

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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.
- · 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.
- · Recommended cleansing agent: Water, if necessary with cleansing agents.

UN-Number		
DOT, IMDG, IATA	not regulated	
UN proper shipping name		
DOT, IMDG, IATA	not regulated	
Transport hazard class(es)		
DOT, ADN, IMDG, IATA		
Class	not regulated	
Packing group		
DOT, IMDG, IATA	not regulated	
Environmental hazards:	Not applicable.	
Special precautions for user	Not applicable.	
Transport in bulk according to Ann	iex II of	
MARPOL73/78 and the IBC Code	Not applicable.	

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	nformation
· Safety, health a	and environmental regulations/legislation specific for the substance or mixture
No further relev	ant information available.
· Sara	
•	xtremely hazardous substances):
	redients is listed.
	pecific toxic chemical listings):
None of the ingr	redients is listed.
· TSCA (Toxic S	ubstances Control Act):
All components	have the value ACTIVE.
Hazardous Air	Pollutants
-	redients is listed.
Proposition 65	
	wn to cause cancer:
None of the ingr	redients is listed.
	wn to cause reproductive toxicity for females:
None of the ingr	redients is listed.
	wn to cause reproductive toxicity for males:
None of the ingr	redients is listed.
Chemicals kno	wn to cause developmental toxicity:
None of the ing	redients is listed.
Carcinogenic o	categories
EPA (Environm	nental Protection Agency)
None of the ingr	redients is listed.
TLV (Threshold	•
None of the ingr	redients is listed.
•	ional Institute for Occupational Safety and Health)
None of the ing	redients is listed.

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.

- · Department issuing SDS: Environment protection department.
- · Contact: -
- · Date of preparation / last revision 03/19/2024 / -
- **Abbreviations and acronyms:** IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transportation

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Trade name: PAF-AH Inhibitor Screening Assay DTNB

	(Contd. from page 8)
IATA: International Air Transport Association	
EINECS: European Inventory of Existing Commercial Chemical Substances	
ELINCS: European List of Notified Chemical Substances	
CAS: Chemical Abstracts Service (division of the American Chemical Society)	
NFPA: National Fire Protection Association (USA)	
HMIS: Hazardous Materials Identification System (USA)	
VOC: Volatile Organic Compounds (USA, EU)	
LC50: Lethal concentration, 50 percent	
LD50: Lethal dose, 50 percent	
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	
Skin Irritation 2: Skin corrosion/irritation – Category 2	
Eye Irritation 2A: Serious eye damage/eye irritation – Category 2A	
Specific Target Organ Toxicity - Single Exposure 3: Specific target organ toxicity (single exposure) - Categ	ory 3



Safety Data Sheet

acc. to OSHA HCS

Printing date 03/19/2024

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Page 1/10

1 Identification

- · Product identifier
- Trade name: <u>2-thio-PAF-AH Inhibitor Screening Assay (substrate)</u>
 Synonym
 2 this PAE (substrate): 2 This PAE PAE AH Inhibitor Screening (substrate): 2 This PAE
 - 2-thio PAF (substrate); 2-Thio PAF PAF-AH Inhibitor Screening (substrate); 2-Thio PAF PAF-AH (substrate)
 - · Article number: 10004802
 - 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 GHS02 F	ne substance or mixture ame
Flammable Liquids	2 H225 Highly flammable liquid and vapor.
GHS07 Eye Irritation 2A	H319 Causes serious eye irritation.
· Label elements · GHS label elemen	·····

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Revision date 03/19/2024

Trade name: 2-thio-PAF-AH Inhibitor Screening Assay (substrate)

(Contd. from page 1) · Hazard pictograms GHS02 GHS07 · Signal word Danger Hazard statements H225 Highly flammable liquid and vapor. H319 Causes serious eye irritation. · Precautionary statements Keep away from heat/sparks/open flames/hot surfaces. - No smoking. P210 P233 Keep container tightly closed. P240 Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. P241 P242 Use only non-sparking tools. Take precautionary measures against static discharge. P243 P264 Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. P280 P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 If eye irritation persists: Get medical advice/attention. In case of fire: Use CO2, powder or water spray to extinguish. P370+P378 P403+P235 Store in a well-ventilated place. Keep cool. Dispose of contents/container in accordance with local/regional/national/international P501 regulations. · Classification system: · NFPA ratings (scale 0 - 4) Health = 2

Health = 2 Fire = 3 Reactivity = 0

· HMIS-ratings (scale 0 - 4)



· Other hazards

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

3 Composition/information on ingredients

- · Chemical characterization: Mixtures
- Description: Mixture of the substances listed below with nonhazardous additions.

(Contd. on page 3)

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Trade name: 2-thio-PAF-AH Inhibitor Screening Assay (substrate)

		(Contd. from page 2)
 Dangerous component 	nts:	
CAS: 64-17-5 RTECS: KQ6300000	ethanol	99.4%
· Other ingredients		
96801-55-7 2-thio PA	F	0.6%

4 First-aid measures

- Description of first aid measures
- · General information: Immediately remove any clothing soiled by the product.
- · After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact: Immediately rinse with water.
- After eye contact:
- Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- After swallowing: If symptoms persist consult doctor.
- Information for doctor:
- \cdot Most important symptoms and effects, both acute and delayed No further relevant information available.
- Indication of any immediate medical attention and special treatment needed No further relevant information available.

5 Fire-fighting measures

- · Extinguishing media
- Suitable extinguishing agents:

CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

- Special hazards arising from the substance or mixture No further relevant information available.
- Advice for firefighters
- Protective equipment: No special measures required.

6 Accidental release measures

· Personal precautions, protective equipment and emergency procedures Wear protective equipment. Keep unprotected persons away. · Environmental precautions: Dilute with plenty of water. Do not allow to enter sewers/ surface or ground water. • Methods and material for containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). 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. See Section 13 for disposal information. Protective Action Criteria for Chemicals · PAC-1: 64-17-5 ethanol

1,800 ppm (Contd. on page 4)

n paye 4

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Trade name: 2-thio-PAF-AH Inhibitor Screening Assay (substrate)

	Conta	£		2
(Contd.	from	page	3

3300* ppm

15000* ppm

PAC-3:

· PAC-2:

64-17-5 ethanol

64-17-5 ethanol

7 Handling and storage

· Handling:

- Precautions for safe handling
 No special precautions are necessary if used correctly.
 Avoid breathing dust/fume/gas/mist/vapours/spray.
 Avoid prolonged or repeated exposure.
 Keep away from sources of ignition.
 Take precautionary measures against static discharge.re.
 Information about protection against explosions and fires:
- Keep ignition sources away Do not smoke. Protect against electrostatic charges.
- · 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: Store in a cool location.
- · Information about storage in one common storage facility: Not required.
- Further information about storage conditions: Keep receptacle tightly sealed.

Store in cool, dry conditions in well sealed receptacles.

• 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:

64-17-5 ethanol

- PEL Long-term value: 1900 mg/m³, 1000 ppm
- REL Long-term value: 1900 mg/m³, 1000 ppm
- TLV Short-term value: 1000 ppm

A3

· 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. Avoid contact with the eyes. Avoid contact with the eyes and skin.
- Breathing equipment: Not required.

(Contd. on page 5)

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Trade name: 2-thio-PAF-AH Inhibitor Screening Assay (substrate)

(Contd. from page 4)

· 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

• 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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

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 Appearance: Form: Color: Odor: Odor threshold: 	chemical properties Liquid According to product specification Alcohol-like Not determined.	
· pH-value:	Not determined.	
Change in condition Melting point/Melting range: Boiling point/Boiling range:	-114 °C (-173.2 °F) 78 °C (172.4 °F)	
· Flash point:	13 °C (55.4 °F)	

[•] Flash point:	13 C (55.4 F)
· Flammability (solid, gaseous):	Highly flammable.
· Auto igniting:	425 °C (797 °F)
 Decomposition temperature: 	Not determined.
· Ignition temperature:	Product is not selfigniting.
· Danger of explosion:	Product is not explosive. However, formation of explosive air/ vapor mixtures are possible.
 Explosion limits: Lower: 	3.3 Vol %

(Contd. on page 6)

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Trade name: 2-thio-PAF-AH Inhibitor Screening Assay (substrate)

	(Contd. from page 5
Upper:	19 Vol %
 Vapor pressure at 20 °C (68 °F): Vapor pressure at 50 °C (122 °F): 	59 hPa (44.3 mm Hg) 280 hPa (210 mm Hg)
 Density at 20 °C (68 °F): Relative density Vapor density Evaporation rate 	0.79 g/cm³ (6.59255 lbs/gal) Not determined. Not determined. Not determined.
 Solubility in / Miscibility with Water at 20 °C (68 °F): 	1,000 g/l
Partition coefficient (n-octanol/water): Not determined.
 Viscosity: Dynamic at 20 °C (68 °F): Kinematic: 	1.2 mPas Not determined.
 Solvent content: Organic solvents: VOC content: 	99.4 % 99.40 % 994.0 g/l / 8.30 lb/gal
Solids content:	0.6 %
· 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: No further relevant information available.
- · Hazardous decomposition products: No dangerous decomposition products known.

11 Toxicological information

- · Information on toxicological effects
- · Acute toxicity:

· LD/LC50 values that are relevant for classification:

64-17-5 ethanol

Oral	LD50	10,470 mg/kg (rat) OECD Test Guideline 401
Inhalative	LC50/4 h	117–125 mg/l (rat) OECD 403 (rat)

· Primary irritant effect:

- on the skin: No irritant effect.
- on the eye: Irritating effect.
- Sensitization: No sensitizing effects known.

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(Contd. from page 6)

1

Trade name: 2-thio-PAF-AH Inhibitor Screening Assay (substrate)

· Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations: Irritant

· Carcinogenic categories

· IARC (International Agency for Research on Cancer)

64-17-5 ethanol

· NTP (National Toxicology Program)

None of the ingredients is listed.

· OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is 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.
- 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.
- · Recommended cleansing agent: Water, if necessary with cleansing agents.

· UN-Number		
DOT, IMDG, IATA	UN1170	
· UN proper shipping name		
DOT	Ethanol solutions	

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Trade name: 2-thio-PAF-AH Inhibitor Screening Assay (substrate)

	(Contd. from page
·IMDG	ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)
·IATA	Ethanol solution
Transport hazard class(es)	
DOT	
PLAMARE COLID	
· Class · Label	3 Flammable liquids 3
	5
· Class · Label	3 Flammable liquids 3
· Packing group · DOT, IMDG, IATA	11
Environmental hazards:	Not applicable.
Special precautions for user Hazard identification number (Kemler code): EMS Number: Stowage Category	Warning: Flammable liquids 33 F-E,S-D A
 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code 	Not applicable.
· Transport/Additional information:	
DOT Quantity limitations	On passenger aircraft/rail: 5 L On cargo aircraft only: 60 L
·IMDG	
· Limited quantities (LQ) · Excepted quantities (EQ)	1L Code: E2
Excepted quantities (EQ)	Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
IATA	
Remarks:	When sold in quantities of less than or equal to 1 mL or 1 g, with an Excepted Quantity Code of E1, E2, E4, or E5, this item meets the De Minimi Quantities exemption, per IATA 2.6.10. Therefore packaging does not have to be labeled a Dangerous Goods/Excepted Quantity.
	(Contd. on page

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Trade name: 2-thio-PAF-AH Inhibitor Screening Assay (substrate)

(Contd. from page 8)

· UN "Model Regulation":

UN 1170 ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION), 3, II

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):	
None of the ingredients is listed.	
Section 313 (Specific toxic chemical listings):	
None of the ingredients is listed.	
TSCA (Toxic Substances Control Act):	
64-17-5 ethanol	ACTIVE
Hazardous Air Pollutants	
None of the ingredients is listed.	
Proposition 65	
Chemicals known to cause cancer:	
None of the ingredients is listed.	
Chemicals known to cause reproductive toxicity for females:	
None of the ingredients is listed.	
Chemicals known to cause reproductive toxicity for males:	
None of the ingredients is listed.	
Chemicals known to cause developmental toxicity:	
64-17-5 ethanol	
Carcinogenic categories	
EPA (Environmental Protection Agency)	
None of the ingredients is listed.	
TLV (Threshold Limit Value)	
64-17-5 ethanol	A
NIOSH-Ca (National Institute for Occupational Safety and Health)	
None of the ingredients is 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.

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Printing date 03/19/2024

Revision date 03/19/2024

Trade name: 2-thio-PAF-AH Inhibitor Screening Assay (substrate)

	(Contd. from page 9)
 Department issuing SDS: Environment protection department. Contact: - 	
Date of preparation / last revision 03/19/2024 / -	
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	
ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society)	
NFPA: National Fire Protection Association (USA)	
HMIS: Hazardous Materials Identification System (USA)	
VOC: Volatile Organic Compounds (USA, EU)	
LC50: Lethal concentration, 50 percent	
LD50: Lethal dose, 50 percent	
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	
Flammable Liquids 2: Flammable liquids – Category 2	
Eye Irritation 2A: Serious eye damage/eye irritation – Category 2A	
	US



Safety Data Sheet

acc. to OSHA HCS

Printing date 03/19/2024

Revision date 03/19/2024

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1 Identification

- · Product identifier
- Trade name: Inhibitor Screening Human Plasma PAF-AH
- · Synonym Human Plasma PAF-AH
- · Article number: 10004803
- **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 The product is not classified, according to the Globally Harmonized System (GHS).
- · Label elements
- · GHS label elements None
- · Hazard pictograms None
- · Signal word None
- · Hazard statements None
- · Classification system:
- NFPA ratings (scale 0 4)



Health = 0 Fire = 0 Reactivity = 0

· HMIS-ratings (scale 0 - 4)

HEALTHImage: OFIREImage: OREACTIVITYReactivity = 0

· Other hazards

Results of PBT and vPvB assessment

• **PBT:** Not applicable.

(Contd. on page 2)

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(Contd. from page 1)

Trade name: Inhibitor Screening Human Plasma PAF-AH

· **vPvB:** Not applicable.

3 Composition/information on ingredients

· Chemical characterization: Mixtures

• Description: Mixture of the substances listed below with nonhazardous additions.

· Dangerous components: None

Other ingredients		
CAS: 7732-18-5 RTECS: ZC0110000	Water	98.6299%
CAS: 7647-14-5 RTECS: VZ4725000	Sodium chloride	0.9%
CAS: 7778-77-0 RTECS: TC6615500	Potassium phosphate, Monobasic	0.27%
CAS: 9048-46-8 RTECS: AY9296000	Albumin, bovine	0.2%

4 First-aid measures

- Description of first aid measures
- · General information: No special measures required.
- After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact: Generally the product does not irritate the skin.
- After eye contact: Rinse opened eye for several minutes under running water.
- After swallowing: If symptoms persist consult doctor.
- 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 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: No special measures required.

6 Accidental release measures

· Personal precautions, protective equipment and emergency procedures Not required.

- Environmental precautions: Dilute with plenty of water.
- **Methods and material for containment and cleaning up:** Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

(Contd. on page 3)

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Revision date 03/19/2024

Trade name: Inhibitor Screening Human Plasma PAF-AH

 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. Protective Action Criteria for Chemicals 	(Contd. from page 2)
• PAC-1:	
7778-77-0 Potassium phosphate, Monobasic	9.6 mg/m ³
56-81-5 Glycerol	45 mg/m³
· PAC-2:	
7778-77-0 Potassium phosphate, Monobasic	110 mg/m ³
56-81-5 Glycerol	180 mg/m³
PAC-3:	
7778-77-0 Potassium phosphate, Monobasic	630 mg/m ³
56-81-5 Glycerol	1,100 mg/m ³

7 Handling and storage

· Handling:

- Precautions for safe handling No special measures required.
- · Information about protection against explosions and fires: No special measures required.
- Conditions for safe storage, including any incompatibilities Keep container tightly closed.
- Store in accordance with information listed on the product insert.
- 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: None.
- 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:
- The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- · Additional information: The lists that were valid during the creation were used as basis.
- · Exposure controls
- · Personal protective equipment:
- General protective and hygienic measures:
- The usual precautionary measures for handling chemicals should be followed.
- Breathing equipment: Not required.
- Protection of hands:

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 4)

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Revision date 03/19/2024

Trade name: Inhibitor Screening Human Plasma PAF-AH

· Material of gloves

(Contd. from page 3)

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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

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: Goggles recommended during refilling.

 Information on basic physical and General Information 	chemical properties
Appearance:	
Form:	Liquid
Color:	According to product specification
Odor:	Characteristic
Odor threshold:	Not determined.
pH-value at 20 °C (68 °F):	7.4
Change in condition	
Melting point/Melting range:	0 °C (32 °F)
Boiling point/Boiling range:	100 °C (212 °F)
Flash point:	Not applicable.
Flammability (solid, gaseous):	Not applicable.
Decomposition temperature:	Not determined.
Ignition temperature:	Product is not selfigniting.
Danger of explosion:	Product does not present an explosion hazard.
Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
Vapor pressure at 20 °C (68 °F):	23 hPa (17.3 mm Hg)
Density at 20 °C (68 °F):	1 g/cm³ (8.345 lbs/gal)
Relative density	Not determined.
Vapor density	Not determined.
Evaporation rate	Not determined.
Solubility in / Miscibility with	
Water:	Fully miscible.
Partition coefficient (n-octanol/wat	er): Not determined.
Viscosity:	
Dynamic at 20 °C (68 °F):	0.952 mPas
Kinematic:	Not determined.
Solvent content:	
Organic solvents:	0.0 %

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Trade name: Inhibitor Screening Human Plasma PAF-AH

		(Contd. from page 4)
Water: VOC content:	98.6 % 0.00 % 0.0 g/l / 0.00 lb/gal	
Solids content:	>1.4 %	
[.] 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: No further relevant information available.
- · Hazardous decomposition products: No dangerous decomposition products known.

11 Toxicological information

- · Information on toxicological effects
- Acute toxicity:
- · Primary irritant effect:
- · on the skin: No irritant effect.
- · on the eye: No irritating effect.
- · Sensitization: No sensitizing effects known.
- · Additional toxicological information:

The product is not subject to classification according to internally approved calculation methods for preparations:

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

· Carcinogenic categories

· IARC (International Agency for Research on Cancer)

None of the ingredients is listed.

· NTP (National Toxicology Program)

None of the ingredients is listed.

· OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is 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.

(Contd. on page 6)

US

Printing date 03/19/2024

Revision date 03/19/2024

Trade name: Inhibitor Screening Human Plasma PAF-AH

(Contd. from page 5)

- · Additional ecological information:
- General notes: Not hazardous for water.
- · Results of PBT and vPvB assessment
- **PBT:** Not applicable.
- · **vPvB:** Not applicable.
- · Other adverse effects No further relevant information available.

13 Disposal considerations

- Waste treatment methods
- · Recommendation: Smaller quantities can be disposed of with household waste.
- Uncleaned packagings:
- Recommendation: Disposal must be made according to official regulations.
- Recommended cleansing agent: Water, if necessary with cleansing agents.

· UN-Number · DOT, IMDG, IATA	not regulated
UN proper shipping name DOT, IMDG, IATA	not regulated
· Transport hazard class(es)	
· DOT, ADN, IMDG, IATA · Class	not regulated
· Packing group · DOT, IMDG, IATA	not regulated
· Environmental hazards:	Not applicable.
· Special precautions for user	Not applicable.
 Transport in bulk according to Annex MARPOL73/78 and the IBC Code 	k II of Not applicable.
· UN "Model Regulation":	not regulated

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):
- None of the ingredients is listed.
- · Section 313 (Specific toxic chemical listings):
- None of the ingredients is listed.
- TSCA (Toxic Substances Control Act):
- 7732-18-5 Water

ACTIVE (Contd. on page 7)

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Trade name: Inhibitor Screening Human Plasma PAF-AH

		Contd. from page 6)			
	Sodium chloride	ACTIVE			
	Potassium phosphate, Monobasic	ACTIVE			
9048-46-8	Albumin, bovine	ACTIVE			
56-81-5	Glycerol	ACTIVE			
7558-79-4	Sodium phosphate, Dibasic	ACTIVE			
· Hazardou	s Air Pollutants				
None of th	None of the ingredients is listed.				
· Propositio	on 65				
· Chemicals	s known to cause cancer:				
None of th	e ingredients is listed.				
· Chemical	s known to cause reproductive toxicity for females:				
None of th	e ingredients is listed.				
· Chemical	s known to cause reproductive toxicity for males:				
None of th	e ingredients is listed.				
· Chemical	s known to cause developmental toxicity:				
None of th	e ingredients is listed.				
· Carcinoge	enic categories				
· EPA (Envi	ronmental Protection Agency)				
None of th	e ingredients is listed.				
· TLV (Thre	shold Limit Value)				
None of th	e ingredients is listed.				
· NIOSH-Ca	(National Institute for Occupational Safety and Health)				
None of th	e ingredients is listed.				
· Chemical	safety assessment: A Chemical Safety Assessment has not been carried ou	ıt.			

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.

- · Department issuing SDS: Environment protection department.
- · Contact: -
- · Date of preparation / last revision 03/19/2024 / -
- 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 ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) NFPA: National Fire Protection Association (USA) HMIS: Hazardous Materials Identification System (USA) VOC: Volatile Organic Compounds (USA, EU) PBT: Persistent, Bioaccumulative and Toxic

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(Contd. from page 7)

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

* Data compared to the previous version altered.