

Apollo Scientific

Part Number: BIPG1806

Version No: 1.1 Safety Data Sheet (Conforms to Annex II of REACH (1907/2006) - Regulation 2020/878) Chemwatch Hazard Alert Code: 2

Issue Date: 20/05/2022 Print Date: 05/06/2024 S.REACH.GB-NIR.EN

SECTION 1 Identification of the substance / mixture and of the company / undertaking

1.1.	Product	Identifier

Product name	t-Boc-N-amido-PEG10-acid
Synonyms	Not Available
Other means of identification	Not Available

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses	Not Available
Uses advised against	No specific uses advised against are identified.

1.3. Details of the manufacturer or supplier of the safety data sheet

Registered company name	Apollo Scientific
Address	Whitefield Road, Bredbury SK62QR United Kingdom
Telephone	01614060505
Fax	0161 406 0506
Website	http://www.apolloscientific.co.uk/
Email	sales@apolloscientific.co.uk

1.4. Emergency telephone number

Association / Organisation	Not Available
Emergency telephone numbers	Not Available
Other emergency telephone numbers	Not Available

SECTION 2 Hazards identification

2.1. Classification of the substance or mixture

Classification according to regulation (EC) No 1272/2008 [CLP] and amendments ^[1]	H315 - Skin Corrosion/Irritation Category 2, H319 - Serious Eye Damage/Eye Irritation Category 2, H335 - Specific Target Organ Toxicity - Single Exposure (Respiratory Tract Irritation) Category 3
Legend:	1. Classified by Chemwatch; 2. Classification drawn from Regulation (EU) No 1272/2008 - Annex VI

2.2. Label elements

Hazard pictogram(s)	
Signal word	Warning
Hazard statement(s)	
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.

Supplementary statement(s)

Not Applicable

Precautionary statement(s) Prevention

P271	Use only outdoors or in a well-ventilated area.
P261	Avoid breathing dust/fumes.
P280	Wear protective gloves, protective clothing, eye protection and face protection.
P264	Wash all exposed external body areas thoroughly after handling.

Precautionary statement(s) Response

P305+P351+P338	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/physician/first aider/if you feel unwell.
P337+P313	If eye irritation persists: Get medical advice/attention.
P302+P352	IF ON SKIN: Wash with plenty of water.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.

Precautionary statement(s) Storage

P405	Store locked up.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.

Precautionary statement(s) Disposal

P501 Dispose of contents/container to authorised hazardous or special waste collection point in accordance with any local regulation.

Material does not contain any CLP Article 18 substances.

2.3. Other hazards

REACH - Art.57-59: The mixture does not contain Substances of Very High Concern (SVHC) at the SDS print date.

SECTION 3 Composition / information on ingredients

3.1.Substances

See 'Composition on ingredients' in Section 3.2

3.2.Mixtures

1. CAS No 2.EC No 3.Index No 4.REACH No	% [weight]	Name	Classification according to regulation (EC) No 1272/2008 [CLP] and amendments	SCL / M- Factor	Nanoform Particle Characteristics
Not Available	100	t-Boc-N-amido- PEG10-acid	Not Applicable	Not Applicable	Not Available
Legend:			assification drawn from Regulation (EU) No 1272/2008 - An lentified as having endocrine disrupting properties	nex VI; 3. Classifi	cation drawn from C&L * EU

SECTION 4 First aid measures

4.1. Description of first aid measures

Skin Contact Inhalation	If skin or hair contact occurs: Flush skin and hair with running water (and soap if available). Seek medical attention in event of irritation. If fumes, aerosols or combustion products are inhaled remove from contaminated area. Other measures are usually unnecessary.
Inhalation	

4.2 Most important symptoms and effects, both acute and delayed

See Section 11

4.3. Indication of any immediate medical attention and special treatment needed Treat symptomatically.

5.1. Extinguishing media

- There is no restriction on the type of extinguisher which may be used.
- Use extinguishing media suitable for surrounding area.

5.2. Special hazards arising from the substrate or mixture

	Fire Incompatibility	None known.				
ę	5.3. Advice for firefighters					
	Fire Fighting	 Alert Fire Brigade and tell them location and nature of hazard. Wear breathing apparatus plus protective gloves in the event of a fire. Prevent, by any means available, spillage from entering drains or water courses. Use fire fighting procedures suitable for surrounding area. DO NOT approach containers suspected to be hot. Cool fire exposed containers with water spray from a protected location. If safe to do so, remove containers from path of fire. Equipment should be thoroughly decontaminated after use. 				
	Fire/Explosion Hazard	 Non combustible. Not considered a significant fire risk, however containers may burn. May emit corrosive fumes. 				

SECTION 6 Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

See section 8

6.2. Environmental precautions

See section 12

6.3. Methods and material for containment and cleaning up

Minor Spills	 Clean up all spills immediately. Avoid breathing dust and contact with skin and eyes. Wear protective clothing, gloves, safety glasses and dust respirator. Use dry clean up procedures and avoid generating dust. Sweep up, shovel up or Vacuum up (consider explosion-proof machines designed to be grounded during storage and use). Place spilled material in clean, dry, sealable, labelled container.
Major Spills	 Moderate hazard. CAUTION: Advise personnel in area. Alert Emergency Services and tell them location and nature of hazard. Control personal contact by wearing protective clothing. Prevent, by any means available, spillage from entering drains or water courses. Recover product wherever possible. IF DRY: Use dry clean up procedures and avoid generating dust. Collect residues and place in sealed plastic bags or other containers for disposal. IF WET: Vacuum/shovel up and place in labelled containers for disposal. ALWAYS: Wash area down with large amounts of water and prevent runoff into drains. If contamination of drains or waterways occurs, advise Emergency Services.

6.4. Reference to other sections

Personal Protective Equipment advice is contained in Section 8 of the SDS.

SECTION 7 Handling and storage

7.1. Precautions for safe handling

Safe handling	 Avoid all personal contact, including inhalation. Wear protective clothing when risk of exposure occurs. Use in a well-ventilated area. Prevent concentration in hollows and sumps. DO NOT enter confined spaces until atmosphere has been checked. DO NOT allow material to contact humans, exposed food or food utensils. Avoid contact with incompatible materials. When handling, DO NOT eat, drink or smoke. Keep containers securely sealed when not in use. Avoid physical damage to containers. Always wash hands with soap and water after handling. Work clothes should be laundered separately. Launder contaminated clothing before re-use. Use good occupational work practice. Observe manufacturer's storage and handling recommendations contained within this SDS. Atmosphere should be regularly checked against established exposure standards to ensure safe working conditions are maintained.
Fire and explosion protection	See section 5
Other information	 Store in original containers. Keep containers securely sealed. Store in a cool, dry area protected from environmental extremes. Store away from incompatible materials and foodstuff containers. Protect containers against physical damage and check regularly for leaks. Observe manufacturer's storage and handling recommendations contained within this SDS. For major quantities:

	 Consider storage in bunded areas - ensure storage areas are isolated from sources of community water (including stormwater, ground water, lakes and streams). Ensure that accidental discharge to air or water is the subject of a contingency disaster management plan; this may require consultation with local authorities.
7.2. Conditions for safe storag	e, including any incompatibilities
Suitable container	 Lined metal can, lined metal pail/ can. Plastic pail. Polyliner drum. Packing as recommended by manufacturer. Check all containers are clearly labelled and free from leaks.
Storage incompatibility	None known Store at 2-8°C Store under argon
Hazard categories in accordance with Regulation (EC) No 2012/18/EU (Seveso III)	Not Available
Qualifying quantity (tonnes) of dangerous substances as referred to in Article 3(10) for the application of	Not Available
7.3. Specific end use(s) See section 1.2	

SECTION 8 Exposure controls / personal protection

8.1. Control parameters

Ingredient	DNELs Exposure Pattern Worker	PNECs Compartment
Not Available	Not Available	Not Available

* Values for General Population

Occupational Exposure Limits (OEL)

INGREDIENT DATA

Source	Ingredient	Material name	TWA	STEL	Peak	Notes
Not Available						

Not Applicable

Emergency Limits

Ingredient	TEEL-1	TEEL-2		TEEL-3
t-Boc-N-amido-PEG10-acid	Not Available	Not Available		Not Available
Ingredient	Original IDLH		Revised IDLH	
t-Boc-N-amido-PEG10-acid	Not Available		Not Available	

8.2. Exposure controls

8.2.1. Appropriate engineering controls	• • • • Engineering controls are used to remove a nazard of place a partier between the worker and the nazard, well-designed engineering controls are used to remove a nazard of place a partier between the worker and the nazard, well-designed engineering controls are used to remove a nazard of place a partier between the worker and the nazard.		gh level of protection. ventilation that lesigned properly. The e relatively large, a ould be considered.		
	Type of Contaminant: Air Speed:				
	direct spray, spray painting in shallow booths, drum filling, conveyer loading, crusher dusts, gas discharge (active generation into zone of rapid air motion) 1-2.5 m/s (200-500 f/min.)				
	grinding, abrasive blasting, tumbling, high speed wheel generated dusts (released at high initial velocity into zone of very high rapid air motion).				
	Within each range the appropriate value depends on:				
	Lower end of the range Upper end of the range				
	1: Room air currents minimal or favourable to capture	1: Disturbing room air currents			

	2: Contaminants of low toxicity or of nuisance value only.	2: Contaminants of high toxicity	
	3: Intermittent, low production.	3: High production, heavy use	
	4: Large hood or large air mass in motion	4: Small hood-local control only	
8.2.2. Individual protection neasures, such as personal protective equipment	Simple theory shows that air velocity falls rapidly with dista decreases with the square of distance from the extraction p adjusted, accordingly, after reference to distance from the of a minimum of 4-10 m/s (800-2000 f/min) for extraction of or mechanical considerations, producing performance deficits multiplied by factors of 10 or more when extraction systems	point (in simple cases). Therefore the contaminating source. The air veloci rusher dusts generated 2 metres dis within the extraction apparatus, ma	e air speed at the extraction point should be ity at the extraction fan, for example, should b stant from the extraction point. Other
Eye and face protection	 Safety glasses with side shields. Chemical goggles. [AS/NZS 1337.1, EN166 or nationa Contact lenses may pose a special hazard; soft contact describing the wearing of lenses or restrictions on use, lens absorption and adsorption for the class of chemical should be trained in their removal and suitable equipmirirgation immediately and remove contact lens as soor irritation - lens should be removed in a clean environme Intelligence Bulletin 59]. 	It lenses may absorb and concentra should be created for each workpla als in use and an account of injury e ent should be readily available. In th n as practicable. Lens should be ren	ace or task. This should include a review of experience. Medical and first-aid personnel ne event of chemical exposure, begin eye noved at the first signs of eye redness or
Skin protection	See Hand protection below		
Hands/feet protection	The selection of suitable gloves does not only depend on the manufacturer. Where the chemical is a preparation of seve advance and has therefore to be checked prior to the applit The exact break through time for substances has to be obte when making a final choice. Personal hygiene is a key element of effective hand care. Of washed and dried thoroughly. Application of a non-perfume Suitability and durability of glove type is dependent on usage frequency and duration of contact, chemical resistance of glove material, glove thickness and dexterity Select gloves tested to a relevant standard (e.g. Europe EN When prolonged or frequently repeated contact may occu 240 minutes according to EN 374, AS/NZS 2161.10.1 or na When only brief contact is expected, a glove with a protec EN 374, AS/NZS 2161.10.1 or national equivalent) is recom . Some glove polymer types are less affected by movement use. Contaminated gloves should be replaced. As defined in ASTM F-739-96 in any application, gloves are Excellent when breakthrough time > 20 min Fair when breakthrough time < 20 min Fair when breakthrough time < 20 min Sood when breakthrough time < 20 min . Poor when glove material degrades For general applications, gloves with a thickness typically g It should be emphasised that glove thickness is not necess permeation efficiency of the glove will be dependent on the be based on consideration of the task requirements and kn Glove thickness may also vary depending on the glove mat technical data should always be taken into account to ensu Note: Depending on the activity being conducted, gloves of . Thinker gloves (dup to 0.1 mm or less) may be required only likely to give short duration protection and would norm . Thicker gloves (up to 3 mm or more) may be required who or puncture potential Gloves must only be worn on clean hands. After using glov moisturiser is recommended. Experience indicates that the following polymers are suitab abrasive particles are not present. • polychloroprene. • nitrile rubber. • polychloroprene. • poly	ral substances, the resistance of the cation. ained from the manufacturer of the p Sloves must only be worn on clean l d moisturiser is recommended. ge. Important factors in the selection r, a glove with a protection class of ational equivalent) is recommended. tion class of 3 or higher (breakthroun mended. tt and this should be taken into accord e rated as: preater than 0.35 mm, are recomment arily a good predictor of glove resist exact composition of the glove mat is exact composition of the glove mat howledge of breakthrough times. nufacturer, the glove type and the gives to a the sign degree of manual desite ally be just for single use application ere there is a mechanical (as well as es, hands should be washed and du- le as glove materials for protection a	a glove material can not be calculated in protective gloves and has to be observed hands. After using gloves, hands should be in of gloves include: national equivalent). 5 or higher (breakthrough time greater than ugh time greater than 60 minutes according to ount when considering gloves for long-term inded. tance to a specific chemical, as the terial. Therefore, glove selection should also love model. Therefore, the manufacturers e glove for the task. for specific tasks. For example: tkerity is needed. However, these gloves are ins, then disposed of. s a chemical) risk i.e. where there is abrasion ried thoroughly. Application of a non-perfumer
Body protection	See Other protection below		
Other protection	 Overalls. P.V.C apron. Barrier cream. Skin cleansing cream. Eye wash unit. 		

Respiratory protection

Type -P Filter of sufficient capacity. (AS/NZS 1716 & 1715, EN 143:2000 & 149:2001, ANSI Z88 or national equivalent)

Required Minimum Protection Factor	Half-Face Respirator	Full-Face Respirator	Powered Air Respirator
up to 10 x ES	P1 Air-line*	-	PAPR-P1 -

up to 50 x ES	Air-line**	P2	PAPR-P2
up to 100 x ES	-	P3	-
		Air-line*	-
100+ x ES	-	Air-line**	PAPR-P3

* - Negative pressure demand ** - Continuous flow

A(All classes) = Organic vapours, B AUS or B1 = Acid gasses, B2 = Acid gas or hydrogen cyanide(HCN), B3 = Acid gas or hydrogen cyanide(HCN), E = Sulfur dioxide(SO2), G = Agricultural chemicals, K = Ammonia(NH3), Hg = Mercury, NO = Oxides of nitrogen, MB = Methyl bromide, AX = Low boiling point organic compounds(below 65 degC)

· Respirators may be necessary when engineering and administrative controls do not adequately prevent exposures.

• The decision to use respiratory protection should be based on professional judgment that takes into account toxicity information, exposure measurement data, and frequency and likelihood of the worker's exposure - ensure users are not subject to high thermal loads which may result in heat stress or distress due to personal protective equipment (powered, positive flow, full face apparatus may be an option).

Published occupational exposure limits, where they exist, will assist in determining the adequacy of the selected respiratory protection. These may be government mandated or vendor recommended.

Certified respirators will be useful for protecting workers from inhalation of particulates when properly selected and fit tested as part of a complete respiratory protection program.

. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU)

· Use approved positive flow mask if significant quantities of dust becomes airborne.

Try to avoid creating dust conditions.

8.2.3. Environmental exposure controls

See section 12

SECTION 9 Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Not Available		
Physical state	Solid	Relative density (Water = 1)	Not Available
Odour	Not Available	Partition coefficient n-octanol / water	Not Available
Odour threshold	Not Available	Auto-ignition temperature (°C)	Not Available
pH (as supplied)	Not Available	Decomposition temperature (°C)	Not Available
Melting point / freezing point (°C)	Not Available	Viscosity (cSt)	Not Available
Initial boiling point and boiling range (°C)	Not Available	Molecular weight (g/mol)	Not Available
Flash point (°C)	Not Available	Taste	Not Available
Evaporation rate	Not Available	Explosive properties	Not Available
Flammability	Not Available	Oxidising properties	Not Available
Upper Explosive Limit (%)	Not Available	Surface Tension (dyn/cm or mN/m)	Not Applicable
Lower Explosive Limit (%)	Not Available	Volatile Component (%vol)	Not Available
Vapour pressure (kPa)	Not Available	Gas group	Not Available
Solubility in water	Not Available	pH as a solution (1%)	Not Available
Vapour density (Air = 1)	Not Available	VOC g/L	Not Available
Nanoform Solubility	Not Available	Nanoform Particle Characteristics	Not Available
Particle Size	Not Available		

9.2. Other information

Not Available

SECTION 10 Stability and reactivity

10.1.Reactivity	See section 7.2
10.2. Chemical stability	Product is considered stable and hazardous polymerisation will not occur.
10.3. Possibility of hazardous reactions	See section 7.2
10.4. Conditions to avoid	See section 7.2
10.5. Incompatible materials	See section 7.2
10.6. Hazardous	See section 5.3

decomposition products

SECTION 11 Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Inhaled	The material is not thought to produce adverse health effects or irritation of the respiratory tract (as classified by EC Directives using animal models). Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable control measures be used in an occupational setting.						
Ingestion	The material has NOT been classified by EC Directives or other classification systems as 'harmful by ingestion'. This is because of the lack of corroborating animal or human evidence.						
Skin Contact	The material is not thought to produce adverse health effects or skin irritation following contact (as classified by EC Directives using animal models). Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable gloves be used in an occupational setting.						
Eye	This material can cause eye irritation and damage ir	some persons.					
Chronic	Long-term exposure to the product is not thought to produce chronic effects adverse to the health (as classified by EC Directives using animal models); nevertheless exposure by all routes should be minimised as a matter of course.						
	ΤΟΧΙΟΙΤΥ		IRRITATION				
t-Boc-N-amido-PEG10-acid	Not Available		Not Available				
Legend:	1. Value obtained from Europe ECHA Registered Su specified data extracted from RTECS - Register of T			btained from manufacturer's SDS. Unless otherwise			
Acute Toxicity	×		Carcinogenicity	×			
Skin Irritation/Corrosion	v		Reproductivity	×			
Serious Eye			neproducting				
Damage/Irritation	×	STOT - S	ingle Exposure	×			
Respiratory or Skin sensitisation	×	STOT - Repeated Exposure		×			
Mutagenicity	×	Asj	piration Hazard	×			
			-	t available or does not fill the criteria for classification to make classification			

11.2 Information on other hazards

11.2.1. Endocrine disrupting properties

No evidence of endocrine disrupting properties were found in the current literature.

11.2.2. Other information See Section 11.1

SECTION 12 Ecological information

2.1. Toxicity					
t-Boc-N-amido-PEG10-acid	Endpoint	Test Duration (hr)	Species	Value	Source
	Not Available	Not Available	Not Available	Not Available	Not Available
Legend:	Ecotox database - Aqu	ID Toxicity Data 2. Europe ECHA Re atic Toxicity Data 5. ECETOC Aquatic tion Data 8. Vendor Data			

12.2. Persistence and degradability

Ingredient	Persistence: Water/Soil	Persistence: Air				
	No Data available for all ingredients	No Data available for all ingredients				
12.3. Bioaccumulative potentia	1					
12.5. Bioaccumulative potentia	1					
Ingredient	Bioaccumulation					
	No Data available for all ingredients					
12.4. Mobility in soil						
Ingredient	Mobility					
	No Data available for all ingredients					

12.5. Results of PBT and vPvB assessment

	Р	В	т
Relevant available data	Not Available	Not Available	Not Available
PBT	×	×	×

	Ρ	В	т		
vPvB	×	×	×		
PBT Criteria fulfilled?	No				
vPvB				No	

12.6. Endocrine disrupting properties

No evidence of endocrine disrupting properties were found in the current literature.

12.7. Other adverse effects

No evidence of ozone depleting properties were found in the current literature.

SECTION 13 Disposal considerations

13.1. Waste treatment methods					
Product / Packaging disposal	 Recycle wherever possible or consult manufacturer for recycling options. Consult State Land Waste Management Authority for disposal. Bury residue in an authorised landfill. Recycle containers if possible, or dispose of in an authorised landfill. 				
Waste treatment options	Not Available				
Sewage disposal options	Not Available				

SECTION 14 Transport information

Labels Required

Marine Pollutant	NO
HAZCHEM	Not Applicable

Land transport (ADR): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

14.1. UN number or number	r ID	Not Applicable		
14.2. UN proper shi name	ipping	Not Applicable		
14.3. Transport haz	ard	Class	Not Appli	cable
class(es)		Subsidiary Hazard	Not Appli	cable
14.4. Packing group	р	Not Applicable		
14.5. Environmenta	al hazard	Not Applicable		
		Hazard identification	(Kemler)	Not Applicable
		Classification code		Not Applicable
14.6. Special preca	utions for	Hazard Label		Not Applicable
user		Special provisions		Not Applicable
	Limited quantity		Not Applicable	

Air transport (ICAO-IATA / DGR): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

14.1. UN number	Not Applicable						
14.2. UN proper shipping name	Not Applicable	Not Applicable					
14.3. Transport hazard	ICAO/IATA Class	Not Applicable					
class(es)	ICAO / IATA Subsidiary Hazard	Not Applicable					
	ERG Code	Not Applicable					
14.4. Packing group	Not Applicable						
14.5. Environmental hazard	Not Applicable						
	Special provisions		Not Applicable				
	Cargo Only Packing Instructions		Not Applicable				
	Cargo Only Maximum Qty / Pack		Not Applicable				
14.6. Special precautions for user	Passenger and Cargo Packing Instructions		Not Applicable				
	Passenger and Cargo Maximum	Qty / Pack	Not Applicable				
	Passenger and Cargo Limited Qu	antity Packing Instructions	Not Applicable				
	Passenger and Cargo Limited Ma	aximum Qty / Pack	Not Applicable				

14.1. UN number	Not Applicable					
14.2. UN proper shipping name	Not Applicable					
14.3. Transport hazard class(es)	IMDG Class IMDG Subsidiary Ha:	IMDG ClassNot ApplicableIMDG Subsidiary HazardNot Applicable				
14.4. Packing group	Not Applicable	Not Applicable				
14.5 Environmental hazard	Not Applicable	Not Applicable				
14.6. Special precautions for user	EMS Number Special provisions Limited Quantities	Not Applicable Not Applicable Not Applicable				

Inland waterways transport (ADN): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

14.1. UN number	Not Applicable						
14.2. UN proper shipping name	Not Applicable	Not Applicable					
14.3. Transport hazard class(es)	Not Applicable Not A	Not Applicable Not Applicable					
14.4. Packing group	Not Applicable	Not Applicable					
14.5. Environmental hazard	Not Applicable						
14.6. Special precautions for user	Special provisions Limited quantity Equipment required	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable					

14.7. Maritime transport in bulk according to IMO instruments

14.7.1. Transport in bulk according to Annex II of MARPOL and the IBC code Not Applicable

Product name	Group	
14.7.3. Transport in bulk in accordance with the IGC Code		
Product name	Ship Type	

SECTION 15 Regulatory information

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

Additional Regulatory Information

Not Applicable

This safety data sheet is in compliance with the following EU legislation and its adaptations - as far as applicable - : Directives 98/24/EC, - 92/85/EEC, - 94/33/EC, - 2008/98/EC, - 2010/75/EU; Commission Regulation (EU) 2020/878; Regulation (EC) No 1272/2008 as updated through ATPs.

Information according to 2012/18/EU (Seveso III):

Seveso Category Not Available

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

National Inventory Status

National Inventory	Status	
Australia - AIIC / Australia Non- Industrial Use	Not Available	
Canada - DSL	Not Available	
Canada - NDSL	Not Available	
China - IECSC	Not Available	
Europe - EINEC / ELINCS / NLP	Not Available	
Japan - ENCS	Not Available	
Korea - KECI	Not Available	
New Zealand - NZIoC	Not Available	
Philippines - PICCS	Not Available	
USA - TSCA	Not Available	
Taiwan - TCSI	Not Available	

National Inventory	Status
Mexico - INSQ	Not Available
Vietnam - NCI	Not Available
Russia - FBEPH	Not Available
Legend:	Yes = All CAS declared ingredients are on the inventory No = One or more of the CAS listed ingredients are not on the inventory. These ingredients may be exempt or will require registration.

SECTION 16 Other information

Revision Date	20/05/2022
Initial Date	20/05/2022

Full text Risk and Hazard codes

Other information

Classification of the preparation and its individual components has drawn on official and authoritative sources as well as independent review by the Chemwatch Classification committee using available literature references.

The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered.

For detailed advice on Personal Protective Equipment, refer to the following EU CEN Standards:

- EN 166 Personal eye-protection
- EN 340 Protective clothing
- EN 374 Protective gloves against chemicals and micro-organisms
- EN 13832 Footwear protecting against chemicals
- EN 133 Respiratory protective devices

Definitions and abbreviations

- PC TWA: Permissible Concentration-Time Weighted Average
- PC STEL: Permissible Concentration-Short Term Exposure Limit
- IARC: International Agency for Research on Cancer ACGIH: American Conference of Governmental Industrial Hygienists
- STEL: Short Term Exposure Limit
- TEEL: Temporary Emergency Exposure Limit.
- IDLH: Immediately Dangerous to Life or Health Concentrations
- ES: Exposure Standard
- OSF: Odour Safety Factor
- NOAEL: No Observed Adverse Effect Level
- LOAEL: Lowest Observed Adverse Effect Level
- TLV: Threshold Limit Value
- LOD: Limit Of Detection
- OTV: Odour Threshold Value
- BCF: BioConcentration Factors
- BEI: Biological Exposure Index
- DNEL: Derived No-Effect Level
- PNEC: Predicted no-effect concentration
- AIIC: Australian Inventory of Industrial Chemicals
- DSL: Domestic Substances List
- NDSL: Non-Domestic Substances List
- IECSC: Inventory of Existing Chemical Substance in China
- EINECS: European INventory of Existing Commercial chemical Substances
- ELINCS: European List of Notified Chemical Substances
- NLP: No-Longer Polymers
- ENCS: Existing and New Chemical Substances Inventory
 KECI: Korea Existing Chemicals Inventory
- NZIOC: New Zealand Inventory of Chemicals
- PICCS: Philippine Inventory of Chemicals and Chemical Substances
- TSCA: Toxic Substances Control Act
- TCSI: Taiwan Chemical Substance Inventory
- INSQ: Inventario Nacional de Sustancias Químicas
- NCI: National Chemical Inventory
- FBEPH: Russian Register of Potentially Hazardous Chemical and Biological Substances

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