Safety Data Sheet (SDS)

Revision Number: 3.0	Last updated March 18, 2021		
1. Product and Company Identification			
Product Name:	(Z - Ala - Ala - Ala - Ala)2Rh110		
	Benzyloxycarbonyl - AAA A - Rh110		
	The real sequence is: (Z - AAAA)2Rh110		
Manufacturer/Supplier:	AnaSpec, Inc.		
7 77	www.anaspec.com		
	34801 Campus Drive		
	Fremont, CA 94555		
	Tel: 510-791-9560		
	Fax: 510-791-9572		
	Email: service@anaspec.com		
	Zinan. <u>service e unaspecteom</u>		
	Kaneka Eurogentec SA,		
	Rue du Bois Saint Jean 5 4102 Seraing Belgium		
	Tel. +32-4-3727400		
	Fax. +32-4-3727500		
	E-mail info@eurogentec.com		
	L-man mio e curogentee.com		
	Kaneka Eurogentec Helpdesk		
	Tel. +32-4-3727665		
Catalog Number	AS-60321-5		
Relevant identified uses of the	For laboratory use only.		
substance/preparation and uses advised against	For faboratory use only.		
Emergency information	Please contact the regional Eurogentec representation in your		
	country or Kaneka Eurogentec S.A. directly (from 8 am to 6		
	pm)		
2. Hazards Identification	14 /		
	ecommend handling all chemicals with caution. Use proper		
	lling chemicals. To our knowledge, the hazards of this material		
mare not occur that oughly in resulgated.			
	angerous substance according to the GHS cards: Not a dangerous substance according to the GHS		
GHS Signal Words: None			

GHS Hazard Statements: None

GHS Precautionary Statements: None

Potential Health Effects for:

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give

oxygen. Good hygiene practice requires that exposure be kept to a minimum and that suitable control

measures be used in an occupational setting.

Ingestion: If swallowed, wash out mouth with water provided person is conscious. Call a physician.

Skin: In case of contact, immediately wash skin with soap and copious amount of water.

Eyes: In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes.

Chronic Exposures: No information available. We recommend limiting prolonged exposure.

Target Organs: No information available

HMIS Classification

Health hazard: 0

Chronic Health Hazard: 0

Flammability: 0
Physical hazards: 0

NFPA Rating

Health hazard: 0

Fire: 0

Reactivity Hazard: 0

3. Composition

Ingredients/Components:

Chemical Name: (Z - Ala - Ala - Ala - Ala)2Rh110

Benzyloxycarbonyl - AAA A - Rh110

The real sequence is: (Z - AAAA)2Rh110

Molecular formula: NA Molecular weight: 1167.2

CAS-No NA EC-No NA

4. First Aid Measures

Inhalation:	If dust is inhaled, remove from contaminated area.
	Encourage patient to blow nose to ensure clear passage of breathing.
	If irritation or discomfort persists seek medical attention.
Ingestion:	If swallowed do NOT induce vomiting.
	If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration.
	Observe the patient carefully.
	Give water to rinse out mouth, then provide liquid slowly and as much as casualty can comfortably
	drink.
	Seek medical advice.
Skin:	If skin or hair contact occurs:
	Flush skin and hair with running water (and soap if available).
	Seek medical attention in event of irritation.
Eyes:	If this product comes in contact with the eyes:
	Wash out immediately with fresh running water.
	Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the
	eyelids by occasionally lifting the upper and lower lids.
	If pain persists or recurs seek medical attention.

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Extinguishing media:		Water spray or fog.
		Alcohol resistant foam. Dry chemical powder.
		BCF (where regulations permit).
		Carbon dioxide
Special firefighting procedures:		Alert Emergency Responders and tell them location and nature of
		hazard.
		Wear breathing apparatus plus protective gloves.
		Prevent, by any means available, spillage from entering drains or water
		course.
		Use water delivered as a fine spray to control fire and cool adjacent
		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.
		Equipment should be thoroughly decontainmated after use.
Unusual fire and explosions hazards:		Emits toxic fumes under fire conditions
6. Accidental Release	Measures	
Spill response	Remove a	ll ignition sources.
		all spills immediately.
	Avoid con	tact with skin and eyes.
		ersonal contact by using protective equipment.
	Control pe	
	Control pe Use dry cl Place in a	ersonal contact by using protective equipment. ean up procedures and avoid generating dust. suitable, labeled container for waste disposal
Containment	Control pe Use dry cl Place in a Avoid all	ersonal contact by using protective equipment. ean up procedures and avoid generating dust. suitable, labeled container for waste disposal personal contact, including inhalation.
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Containment	Control pe Use dry cl Place in a Avoid all J Wear prot Use in a w	ersonal contact by using protective equipment. ean up procedures and avoid generating dust. suitable, labeled container for waste disposal personal contact, including inhalation. ective clothing when risk of exposure occurs. vell-ventilated area.
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Containment	Control pe Use dry cl Place in a Avoid all J Wear prot Use in a w DO NOT A Avoid con When han Keep cont Avoid phy Always w Use good Empty con following source.	ersonal contact by using protective equipment. ean up procedures and avoid generating dust. suitable, labeled container for waste disposal personal contact, including inhalation. ective clothing when risk of exposure occurs. vell-ventilated area. enter confined spaces until atmosphere has been checked. allow material to contact humans, exposed food or food utensils. etact with incompatible materials. dling, DO NOT eat, drink or smoke. ainers securely sealed when not in use. vsical damage to containers. ash hands with soap and water after handling. occupational work practice. ntainers may contain residual dust which has the potential to accumulate
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	ls / Personal Protection		
Engineering controls	Local exhaust ventilation is required where solids are handled as powders or crystals; even when particulates are relatively large, a certain proportion will be powdered by		
	mutual friction.		
	Exhaust ventilation should be designed to prevent accumulation and re-circulation of particulates in the workplace.		
	If in spite of local exhaust an adverse concentration of the substance in air could occur, respiratory protection should be considered. Such protection might consist of:		
	(a): particle dust respirators, if necessary, combined with an absorption cartridge;		
	(b): filter respirators with absorption cartridge or canister of the right type;		
	(c): fresh-air hoods or masks		
	Build-up of electrostatic charge on the dust particle, may be prevented by bonding and grounding.		
i	Powder handling equipment such as dust collectors, dryers and mills may require		
ı	additional protection measures such as explosion venting.		
l	Air contaminants generated in the workplace possess varying "escape" velocities which,		
	in turn, determine the "capture velocities" of fresh circulating air required to efficiently		
	remove the contaminant.		
PPE	Use personal protective equipment		
9. Physical and Chen			
Physical State	Light-Yellow Solid		
Odour	Not available		
Solubility in Water	Not available		
Specific Gravity	Not available		
pH	Not available		
Boiling Point	Not available		
Melting Point	Not available		
Flash Point	N/A		
Vapor Pressure:	N/A		
Vapor Density:	N/A		
10. Stability and Rea	activity		
Thermal Decomposition	on No data available		
Dangerous Products of	* *		
Dangerous Reactions	COx, NOx when burned		
Keep container tightly	closed in a dry well-ventilated place. Store in -20 °C, dry refrigerator.		
11. Toxicological Inf	<u>formation</u>		
RTECS Number N/A			

Toxicity

No information available.

effects, the material may still be damaging to the
health of the individual following ingestion, especially
where pre-existing organ (e.g. liver, kidney)
damage is evident. In an occupational setting however,
ingestion of insignificant quantities is not thought to be
cause for concern.
Not available
No significant acute toxicological data identified
N/A
N/A

Reproductive Toxicity:

No information available

12. Ecological Information

No information available.

13. Disposal Considerations

All waste must be handled in accordance with local, state and federal regulations. Legislation addressing waste disposal requirements may differ by country, state and/ or territory. Each user must refer to laws operating in their area. In some areas, certain wastes must be tracked.

14. Transport Information

Hazard Class	N/A
Identification Number	N/A
Packing Group	N/A
Proper Shipping Name (DOT)	N/A

15. Regulatory Information

California Proposition 65: N/A

US TSCA (Toxic Substance Control Act): N/A

US CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act: N/A

US SARA Title III (Superfund Amendments and Reauthorization Act: N/A

US Other: N/A

EC EINICS (European Inventory of Existing Commercial Chemical Substances) Number: N/A

EC Risk Statements: N/A

Other Country Regulations: N/A

16. Other Information

It is not intended for food, drug, household, agricultural or cosmetic use. A technically qualified individual experienced in handling potentially hazardous chemicals must supervise its use. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Users should make

independent decisions regarding completeness of the information based on all sources available. AnaSpec shall not be held liable for any damage resulting from handling or from contact with the above product.