Safety Data Sheet (SDS)

Revision Number: 3.0		Last updated 12 August 2019		
1. Product and Company Identification				
Product Name:	(Z-AR)2Rh110•2HCl			
	Benzyloxyco	arbonyl - AR - Rh110		
Manufacturer/Supplier:	AnaSpec, Ir	ıc.		
	www.anaspec.com			
	34801 Campus Drive			
	Fremont, CA 94555			
	Tel: 510-79			
	Fax: 510-79			
	Email: servi	ce@anaspec.com		
	Kaneka Eur	ogentec SA,		
	Rue du Bois Saint Jean 5 4102 Seraing Belgium			
	Tel. +32-4-3			
	Fax. +32-4-	3727500		
	E-mail info	@eurogentec.com		
		ogentec Helpdesk		
	Tel. +32-4-3			
Catalog Number	AS-60322-5			
Relevant identified uses of the substance/preparation and uses advised against	For laborate	ry use only.		
Emergency information	Please conta	act the regional Eurogentec represe	ntation in your	
		Kaneka Eurogentec S.A. directly (1		
	pm)	,  ,  ,  ,  ,  ,  ,  ,  ,  ,  ,  ,  ,		
2. Hazards Identification				
Emergency Overview: We do re		dling all chemicals with caution. Use . To our knowledge, the hazards of this m		
· · · · · · · · · · · · · · · · · · ·	-	ance according to the GHS angerous 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-AR)2Rh110•2HCl

Benzyloxycarbonyl - AR - Rh110

Molecular formula: NA Molecular weight: 1053.1

CAS-No NA EC-No NA

# 4. First Aid Measures

Inhalation:	If dust is inhaled, remove from contaminated area.
in and an	Encourage patient to blow nose to ensure clear passage of breathing.
	If irritation or discomfort persists seek medical attention.
	ii irritation of discomfort persists seek medicar attention.
Ingestion:	If swallowed do <b>NOT</b> 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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T	<u>ires</u>	W. C
Extinguishing media:		Water spray or fog.
		Alcohol resistant foam.
		Dry chemical powder. BCF (where regulations permit).
		Carbon dioxide
		Carbon dioxide
Special firefighting proc	edures:	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.
		<b>DO NOT</b> 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 Assidental Delega	Maagunag	
6. Accidental Release I	vieasures	
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8. Exposure Control	s / 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.  Powder handling equipment such as dust collectors, dryers and mills may require additional protection measures such as explosion venting.  Air contaminants generated in the workplace possess varying "escape" velocities which, in turn, determine the "capture velocities" of fresh circulating air required to efficiently	
PPE	remove the contaminant.  Use personal protective equipment	
FFE	Ose personal protective equipment	
9. Physical and Chen		
Physical State	Solid	
Odour	Not available	
Solubility in Water	Not available	
Specific Gravity	Not available	
рН	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	<u>activity</u>	
Thermal Decomposition	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.

Health Hazards	Although ingestion is not thought to produce harmful
	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.
Potential Hazards	Not available
Carcinogenicity:	No significant acute toxicological data identified
OSHA Permissible Exposure Limit(PEL) Data	N/A
ACGIH Threshold Limit Values (TLV)	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.