

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 SDS Reference Number: 8243000 Issue date: 01/12/2023 Revision date: 20/06/2024 Supersedes version of: 01/12/2023 Version: 2.0

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

1.1. Product identifier

Product form Trade name Type of product : Mixture : ACTYBIO A405RS

: Biocidal products (e.g. Disinfectants, pest control)

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

Relevant identified uses

Main use category Use of the substance/mixture Industrial useBactericide.Fungicide

1.3. Details of the supplier of the safety data sheet

ATC DO BRASIL PRODUTOS PARA COURO LTDA Avenida Brasil, 3040 - Bairro Bela Vista CEP: 93614-810 ESTÂNCIA VELHA / RS BRASIL T +55 51 3561 0206 atcdobrasil@atcdobrasil.com.br, www.atc.fr

1.4. Emergency telephone number

Emergency number

: HDI AMBIENTAL 0800 725 5073

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute toxicity (oral), Category 4	H302
Skin corrosion/irritation, Category 1, Sub-Category 1C	H314
Serious eye damage/eye irritation, Category 1	H318
Skin sensitisation, Category 1	H317
Hazardous to the aquatic environment – Acute Hazard,	H400
Category 1	
Hazardous to the aquatic environment – Chronic Hazard,	H410
Category 1	
Full text of H- and EUH-statements: see section 16	

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 127	2/2008 [CLP]
Hazard pictograms (CLP)	
	GHS05 GHS07 GHS09
Signal word (CLP)	: Danger
Contains	: CMIT/MIT; BIT; (ethylenedioxy)dimethanol
Hazard statements (CLP)	: H302 - Harmful if swallowed.
	H314 - Causes severe skin burns and eye damage.
	H317 - May cause an allergic skin reaction.
	H410 - Very toxic to aquatic life with long lasting effects.

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Precautionary statements (CLP)	 P261 - Avoid breathing dust, gas. P264 - Wash hands, forearms and face thoroughly after handling. P280 - Wear protective clothing, eye protection, face protection. P301+P330+P331+P310 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER. P303+P361+P353+P310 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a POISON CENTER. P305+P351+P338+P310 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER. P321 - Specific treatment (see supplemental first aid instruction on this label). P333+P313 - If skin irritation or rash occurs: Get medical advice/attention. P362+P364 - Take off contaminated clothing and wash it before reuse.
	P391 - Collect spillage.

2.3. Other hazards

Contains no PBT and/or vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

Component	
Substance(s) not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605	BIT (2634-33-5)

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Industrial secret	-	1 - 5	Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight)
(ethylenedioxy)dimethanol	CAS-No.: 3586-55-8 EC-No.: 222-720-6	10 - 20	Acute Tox. 4 (Oral), H302 (ATE=200 mg/kg bodyweight) Skin Irrit. 2, H315 Eye Dam. 1, H318
BIT	CAS-No.: 2634-33-5 EC-No.: 220-120-9 EC Index-No.: 613-088-00-6	1 – 5	Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight) Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Acute 1, H400

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
CMIT/MIT	CAS-No.: 55965-84-9 EC Index-No.: 613-167-00-5	0,1 – 1	Acute Tox. 2 (Inhalation), H330 (ATE=0,5 mg/l/4h) Acute Tox. 2 (Dermal), H310 (ATE=50 mg/kg bodyweight) Acute Tox. 3 (Oral), H301 (ATE=100 mg/kg bodyweight) Skin Corr. 1C, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100)

Specific concentration limits:		
Name	Product identifier	Specific concentration limits (%)
BIT	CAS-No.: 2634-33-5 EC-No.: 220-120-9 EC Index-No.: 613-088-00-6	(0,05 ≤ C ≤ 100) Skin Sens. 1; H317
CMIT/MIT	CAS-No.: 55965-84-9 EC Index-No.: 613-167-00-5	$(0,0015 \le C \le 100)$ Skin Sens. 1A; H317 $(0,06 \le C < 0,6)$ Skin Irrit. 2; H315 $(0,06 \le C < 0,6)$ Eye Irrit. 2; H319 $(0,6 \le C \le 100)$ Eye Dam. 1; H318 $(0,6 \le C \le 100)$ Skin Corr. 1C; H314

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures	
4.1. Description of first aid measures	
First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: Allow affected person to breathe fresh air. Allow the victim to rest.
First-aid measures after skin contact	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
First-aid measures after eye contact	: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.
4.2. Most important symptoms and e	ffects, both acute and delayed
Symptoms/effects Symptoms/effects after inhalation Symptoms/effects after eye contact	 Not expected to present a significant hazard under anticipated conditions of normal use. Cough. redness, itching, tears.

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

No additional information available

SECTION 5: Firefighting measures	
5.1. Extinguishing media	
Suitable extinguishing media Unsuitable extinguishing media	Foam. Dry powder. Carbon dioxide. Water spray. Sand.Do not use a heavy water stream.

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

5.2. Special hazards arising from the	substance or mixture
No additional information available	
5.3. Advice for firefighters	
Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures		
6.1. Personal precautions, protective equipment and emergency procedures		
For non-emergency personnel		
Emergency procedures	: Evacuate unnecessary personnel.	
For emergency responders		
Protective equipment Emergency procedures	Equip cleanup crew with proper protection.Ventilate area.	
6.2. Environmental precautions		
Drevent entry to covere and public vectors. Notify outboridge if liquid enters covere or public vectors		

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up		
Methods for cleaning up	: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.	

6.4. Reference to other sections

See Heading 8 and 13.

SECTION 7: Handling and stor	age
7.1. Precautions for safe handling	
Precautions for safe handling	: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.
7.2. Conditions for safe storage, including any incompatibilities	
Storage conditions	: Store in original container. Store in dry, cool, well-ventilated area. Keep container closed when not in use.
7.3. Specific end use(s)	

Tanning industry.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Personal protection equipment

Personal protective equipment:

Avoid all unnecessary exposure.

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Personal protective equipment symbol(s):



Eye and face protection

Eye protection: Chemical goggles or safety glasses

Skin protection Hand protection: Wear protective gloves.

Respiratory protection

Respiratory protection:

In case of inadequate ventilation wear respiratory protection.

Environmental exposure controls

Other information:

Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties	
9.1. Information on basic physical and che	emical properties
9.1. Information on basic physical and che Physical state Colour Odour Odour threshold Melting point Freezing point Boiling point Flammability Lower explosion limit Upper explosion limit Flash point Auto-ignition temperature Decomposition temperature pH Viscosity, kinematic	 Emical properties Dispersion Light brown characteristic. Not available Not available Not available Not available Non flammable. Not available
Solubility Partition coefficient n-octanol/water (Log Kow) Vapour pressure Vapour pressure at 50°C Density Relative density Relative vapour density at 20°C Particle characteristics	 Water. Not available Not applicable

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No reaction under normal temperature and if it used according technical data sheet.

10.2. Chemical stability

Stable under normal conditions.

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

10.3. Possibility of hazardous reactions
Not established.
10.4. Conditions to avoid
Overheating. Moisture.
10.5. Incompatible materials
No additional information available
10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide.

ned in Regulation (EC) No 1272/2008 : Harmful if swallowed. : Not classified : Not classified
: Not classified
1794,044 mg/kg bodyweight
105 mg/kg Source: US EPA
> 1008 mg/kg bodyweight Animal: rat, Guideline: EPA OPP 81-2 (Acute Dermal Toxicity) Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
200 mg/kg Source: US EPA
0,33 mg/l Source: US EPA
200 – 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method)
Causes severe skin burns.Based on available data, the classification criteria are not met
2 – 4 Source: Kathon* WT
6,8 – 7,5 Temp.: 20 °C Concentration: 50 vol%
Causes serious eye damage.Based on available data, the classification criteria are not met
2 – 4 Source: Kathon* WT
6,8 – 7,5 Temp.: 20 °C Concentration: 50 vol%
 May cause an allergic skin reaction. Based on available data, the classification criteria are not met Not classified Based on available data, the classification criteria are not met Not classified Based on available data, the classification criteria are not met

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

 Not classified Based on available data, the classification criteria are not met Not classified Based on available data, the classification criteria are not met Not classified
: Based on available data, the classification criteria are not met
0,525 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: EPA OPP 82-3 (Subchronic Dermal Toxicity 90 Days)
90 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90- Day Oral Toxicity Study in Rodents), Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents)
30 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90- Day Oral Toxicity Study in Rodents), Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents)
Not classified

: Based on available data, the classification criteria are not met

Other information

Potential adverse human health effects and symptoms

SECTION 12: Ecological information		
12.1. Toxicity		
(acute)	Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.	
CMIT/MIT (55965-84-9)		
LC50 - Fish [1]	0,27 mg/l Source: e-ChemPortal; HSNO	
LC50 - Fish [2]	0,28 mg/l Test organisms (species): Lepomis macrochirus	
EC50 - Crustacea [1]	0,16 mg/l Test organisms (species): Daphnia magna	
NOEC (chronic)	0,1 mg/l Test organisms (species): Daphnia magna Duration: '21 d'	
NOEC chronic fish	0,098 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) Duration: '28 d'	
(ethylenedioxy)dimethanol (3586-55-8)		
LC50 - Fish [1]	71 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)	
EC50 - Crustacea [1]	28 mg/l Test organisms (species): Daphnia magna	
EC50 72h - Algae [1]	4,62 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)	
EC50 72h - Algae [2]	3,48 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)	
LOEC (chronic)	20 mg/l Test organisms (species): Daphnia magna Duration: '21 d'	
NOEC (chronic)	8 mg/l Test organisms (species): Daphnia magna Duration: '21 d'	

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

12.2. Persistence and degradability	
ACTYBIO A405RS	
Persistence and degradability	Not established.
CMIT/MIT (55965-84-9)	
Persistence and degradability	Minimally biodegradable.
BIT (2634-33-5)	
Persistence and degradability	Not established.
Indsutrial secret	
Persistence and degradability	Rapidly degradable
(ethylenedioxy)dimethanol (3586-55-8)	
Persistence and degradability	Not rapidly degradable
12.3. Bioaccumulative potential	
ACTYBIO A405RS	
Bioaccumulative potential	Not established.
BIT (2634-33-5)	
Bioaccumulative potential	Not established.
12.4. Mobility in soil	
CMIT/MIT (55965-84-9)	
Mobility in soil	12,08 Source: EPISUITE
12.5. Results of PBT and vPvB assessment	
No additional information available	
12.6. Endocrine disrupting properties	
No additional information available	
12.7. Other adverse effects	
Additional information :	No data available.
SECTION 13: Disposal considerations	
13.1. Waste treatment methods	

Product/Packaging disposal recommendations Ecological waste information Dispose in a safe manner in accordance with local/national regulations.Avoid release to the environment.

SECTION 14: Transport information		
In accordance with ADR / IMDG / IATA		
ADR	IMDG	ΙΑΤΑ
14.1. UN number or ID number		
UN 1760	UN 1760	UN 1760

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

ADR	IMDG	ΙΑΤΑ
14.2. UN proper shipping name		
CORROSIVE LIQUID, N.O.S. (CMIT/MIT)	CORROSIVE LIQUID, N.O.S. (CMIT/MIT)	Corrosive liquid, n.o.s. (CMIT/MIT)
Transport document description		
UN 1760 CORROSIVE LIQUID, N.O.S. (CMIT/MIT), 8, III, (E), ENVIRONMENTALLY HAZARDOUS	UN 1760 CORROSIVE LIQUID, N.O.S. (CMIT/MIT), 8, III, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS	UN 1760 Corrosive liquid, n.o.s. (CMIT/MIT), 8, III, ENVIRONMENTALLY HAZARDOUS
14.3. Transport hazard class(es)		
8	8	8
8	B	
14.4. Packing group		
Ш	Ш	111
14.5. Environmental hazards		
Dangerous for the environment: Yes	Dangerous for the environment: Yes Marine pollutant: Yes EmS-No. (Fire): F-A EmS-No. (Spillage): S-B	Dangerous for the environment: Yes
No supplementary information available		
 14.6. Special precautions for user Overland transport Classification code (ADR) Special provisions (ADR) Limited quantities (ADR) Excepted quantities (ADR) Packing instructions (ADR) Mixed packing provisions (ADR) Portable tank and bulk container instructions (ADR) Portable tank and bulk container special provisions (ADR) Tank code (ADR) Vehicle for tank carriage Transport category (ADR) Special provisions for carriage - Packages (ADR) Hazard identification number (Kemler No.) Orange plates 		
Tunnel restriction code (ADR) EAC code Transport by sea Special provisions (IMDG) Limited quantities (IMDG) Excepted quantities (IMDG) Packing instructions (IMDG) IBC packing instructions (IMDG) Tank instructions (IMDG) Tank special provisions (IMDG)	 E 2X 223, 274 5 L E1 P001, LP01 IBC03 T7 TP1, TP28 	

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Stowage category (IMDG) Stowage and handling (IMDG) Properties and observations (IMDG)	: A : SW2 : Causes burns to skin, eyes and mucous membranes.
Air transport	
PCA Excepted quantities (IATA)	: E1
PCA Limited quantities (IATA)	: Y841
PCA limited quantity max net quantity (IATA)	: 1L
PCA packing instructions (IATA)	: 852
PCA max net quantity (IATA)	: 5L
CAO packing instructions (IATA)	: 856
CAO max net quantity (IATA)	: 60L
Special provisions (IATA)	: A3, A803
ERG code (IATA)	: 8L

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

EU-Regulations

REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance SVHC candidate to the anex XIV of REACH

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

Dual-Use Regulation (428/2009)

Contains no substance subject to the COUNCIL REGULATION (EC) No 428/2009 of 5 May 2009 setting up a Community regime for the control of exports, transfer, brokering and transit of dual-use items.

Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Data sources

: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Other information

: None.

Full text of H- and EUH	I-statements:
Acute Tox. 2 (Dermal)	Acute toxicity (dermal), Category 2
Acute Tox. 2 (Inhalation)	Acute toxicity (inhal.), Category 2
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H310	Fatal in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
Skin Corr. 1C	Skin corrosion/irritation, Category 1, Sub-Category 1C
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
Skin Sens. 1A	Skin sensitisation, category 1A

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.