

Page 1/9

Safety Data Sheet
acc. to OSHA HCS

Printing date 07/22/2024

V - 7.0

Reviewed on 07/22/2024

1 Identification

· **Product identifier**

- **Trade name:** ATRON® AC 205 Concentrate
- **UFI:** G1X0-8027-G00X-EN8A
- **Application of the substance / the mixture** Cleaning agent/ Cleaner
- **Uses advised against** No further relevant information available.

· **Details of the supplier of the safety data sheet**

· **Manufacturer/Supplier:**

Zestron Americas
11285 Assett Loop
Manassas, VA 20109-USA
Tel. +1 (703) 393-9880
www.zestron.com
infousa@zestron.com

· **Information department:** Safety department

· **Emergency telephone number:** Info-Trac: 1 - 800 - 535 - 5053 24hr/day, 7 days/wk

2 Hazard(s) identification

· **Classification of the substance or mixture**

Skin Corrosion 1B H314 Causes severe skin burns and eye damage.

Eye Damage 1 H318 Causes serious eye damage.

· **Label elements**

· **GHS label elements**

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

· **Hazard pictograms**



GHS05

· **Signal word** Danger

· **Hazard-determining components of labeling:**

amines ethoxylate

· **Hazard statements**

H314 Causes severe skin burns and eye damage.

· **Precautionary statements**

P280 Wear protective gloves / eye protection.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or 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.

P310 Immediately call a doctor.

· **Classification system:**

· **NFPA ratings (scale 0 - 4)**

Health = 1

Fire = 0

Reactivity = 0

· **HMIS-ratings (scale 0 - 4)**

Health = 1

Fire = 0

Reactivity = 0

(Contd. on page 2)

US

Page 2/9

**Safety Data Sheet
acc. to OSHA HCS**

Printing date 07/22/2024

V - 7.0

Reviewed on 07/22/2024

Trade name: ATRON® AC 205 Concentrate

(Contd. of page 1)

- **Other hazards** No further relevant information available.
- **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 with nonhazardous additions.
- **Dangerous components:**

929-06-6 amines ethoxylate

20-50%

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 remove any clothing soiled by the product.
Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.
- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:**
If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.
- **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:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture**
Formation of toxic gases is possible during heating or in case of fire.
- **Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Ensure adequate ventilation
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:**
Do not allow to penetrate the ground/soil.
Avoid to enter sewers/ surface or ground water.

(Contd. on page 3)
US

Page 3/9

**Safety Data Sheet
acc. to OSHA HCS**

Printing date 07/22/2024

V - 7.0

Reviewed on 07/22/2024

Trade name: ATRON® AC 205 Concentrate

(Contd. of page 2)

· 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:

929-06-6	amines ethoxylate	9 mg/m ³
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· PAC-2:

929-06-6	amines ethoxylate	99 mg/m ³
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· PAC-3:

929-06-6	amines ethoxylate	590 mg/m ³
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7 Handling and storage

· Handling:

· Precautions for safe handling The usual precautionary measures for handling chemicals should be followed.

· Information about protection against explosions and fires:

Cool endangered receptacles with water spray.

Store in a cool place. Heat will increase pressure and may lead to the receptacle bursting.

· Conditions for safe storage, including any incompatibilities

· Storage:

· Requirements to be met by storerooms and receptacles:

Store in cool, dry conditions in well sealed receptacles.

· Information about storage in one common storage facility:

Do not store together with acids.

Store away from oxidizing agents.

· 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:

No exposure limits noted for ingredients.

· 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.

Avoid contact with the eyes and skin.

· Breathing equipment: Not necessary if room is well-ventilated.

· Protection of hands:

Protective gloves

(Contd. on page 4)

US

Page 4/9

**Safety Data Sheet
acc. to OSHA HCS**

Printing date 07/22/2024

V - 7.0

Reviewed on 07/22/2024

Trade name: ATRON® AC 205 Concentrate

(Contd. of page 3)

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· Material of gloves

Nitrile rubber, NBR

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 trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

· Eye protection: Tightly sealed goggles

· Body protection: Protective work clothing

9 Physical and chemical properties

· Information on basic physical and chemical properties

· General Information

· Appearance:

Form: Liquid

Color: Yellowish

Clear

· Odor: Specific type

· Odor threshold: Not determined

· pH-value (10 g/l) at 20 °C (68 °F): 11.0 +/- 0.5 (DIN 19268)

· Change in condition

Melting point/Melting range: <-18 °C (<-0.4 °F)

Boiling point/Boiling range: >98 °C (>208.4 °F)

· Flash point: None

· Flammability (solid, gaseous): Not applicable.

· Auto igniting: 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 determined.

· Density at 20 °C (68 °F): 0.98 +/- 0.02 g/cm³ (8.18 +/- 0.17 lbs/gal) (DIN 51757)

· Relative density

Not determined.

· Vapor density

Not determined.

· Evaporation rate

Not determined.

· Solubility in / Miscibility with

Water: Fully miscible.

(Contd. on page 5)

US

Page 5/9

Safety Data Sheet
acc. to OSHA HCS

Printing date 07/22/2024

V - 7.0

Reviewed on 07/22/2024

Trade name: ATRON® AC 205 Concentrate

(Contd. of page 4)

· Partition coefficient (n-octanol/water): Not determined.
· Viscosity: Dynamic: Not determined Kinematic at 20 °C (68 °F): 24.97 mm ² /s (DIN 51562)
· 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 and stored according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:**
Store away from oxidizing agents.
Do not store together with acids.
- **Hazardous decomposition products:**
Possible in traces.
In case of fire, the following can be released:
Carbon monoxide and carbon dioxide

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **LD/LC50 values that are relevant for classification:**

929-06-6 amines ethoxylate

Oral	LD50	3,400 mg/kg (rat) (OECD Prüfrichtlinie 401)
Dermal	LD50	>3,000 mg/kg (rabbit) (OECD Prüfrichtlinie 402)
Inhalative	LC50/8h	>8.7 mg/l (rat) (OECD Prüfrichtlinie 403)

- **Primary irritant effect:**
- **on the skin:**
Strong caustic effect.
Strong irritant with the danger of severe eye injury.
Strong caustic effect on skin and mucous membranes.
- **on the eye:**
Strong caustic effect.
Strong irritant with the danger of severe eye injury.
- **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:
Corrosive
Irritant
Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

(Contd. on page 6)

US

Page 6/9

**Safety Data Sheet
acc. to OSHA HCS**

Printing date 07/22/2024

V - 7.0

Reviewed on 07/22/2024

Trade name: ATRON® AC 205 Concentrate

(Contd. of page 5)

· **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:**

929-06-6 amines ethoxylate

LC50/96h >681 mg/l (*Leuciscus idus*) (DIN 38412)

EC50/72h 202 mg/l (*Desmodesmus subspicatus*) (DIN 38412)

EC50/48h 189 mg/l (*Daphnia magna*)

· **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:** Disposal must be made according to official regulations.

· **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, ADR, IMDG, IATA**

UN3267

· **UN proper shipping name**

· **DOT**

Corrosive liquid, basic, organic, n.o.s. (amine ethoxylate)

(Contd. on page 7)

US

Page 7/9

Safety Data Sheet
acc. to OSHA HCS

Printing date 07/22/2024

V - 7.0

Reviewed on 07/22/2024

Trade name: ATRON® AC 205 Concentrate

(Contd. of page 6)

· ADR	3267 CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (amine ethoxylate)
· IMDG, IATA	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (amine ethoxylate)
Transport hazard class(es)	
DOT, ADR, IMDG, IATA	
· Class	8 Corrosive substances
· Label	8
Packing group	
· DOT, ADR, IMDG, IATA	III
Environmental hazards:	
· Marine pollutant:	None
· Marine pollutant:	No
· Special precautions for user	Warning: Corrosive substances
· Hazard identification number (Kemler code):	80
· EMS Number:	F-A, S-B
· Segregation groups	(SGG18) Alkalies
· Stowage Category	A
· Stowage Code	SW2 Clear of living quarters.
· Segregation Code	SG35 Stow "separated from" SGG1-acids
· 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
· ADR	
· Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· IMDG	
· Limited quantities (LQ)	5L
· Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· UN "Model Regulation":	UN 3267 CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (AMINE ETHOXYLATE), 8, III

15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**
No further relevant information available.

· **Sara**

· **Section 313 (Specific toxic chemical listings):**

None of the ingredients is listed.

(Contd. on page 8)

us

Page 8/9

**Safety Data Sheet
acc. to OSHA HCS**

Printing date 07/22/2024

V - 7.0

Reviewed on 07/22/2024

Trade name: ATRON® AC 205 Concentrate

(Contd. of page 7)

· **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.

· **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:**

None of the ingredients is listed.

· **New Jersey Right-to-Know List:**

929-06-6 amines ethoxylate

· **New Jersey Special Hazardous Substance List:**

929-06-6 amines ethoxylate

CO

· **Pennsylvania Right-to-Know List:**

None of the ingredients is listed.

· **Pennsylvania Special Hazardous Substance List:**

None of the ingredients is listed.

· **GHS label elements**

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

· **Hazard pictograms**



GHS05

· **Signal word** Danger

· **Hazard-determining components of labeling:**

amines ethoxylate

· **Hazard statements**

H314 Causes severe skin burns and eye damage.

· **Precautionary statements**

P280 Wear protective gloves / eye protection.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or 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.

P310 Immediately call a doctor.

· **Chemical safety assessment:** A Chemical Safety Assessment has been carried out.

US

(Contd. on page 9)

Page 9/9

**Safety Data Sheet
acc. to OSHA HCS**

Printing date 07/22/2024

V - 7.0

Reviewed on 07/22/2024

Trade name: ATRON® AC 205 Concentrate

(Contd. of page 8)

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Date of preparation / last revision** 07/22/2024 / 6.2
- **Abbreviations and acronyms:**
Skin Corrosion 1B: Skin corrosion/irritation – Category 1B
Eye Damage 1: Serious eye damage/eye irritation – Category 1
- * **Data compared to the previous version altered.**

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