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MATERIAL SAFETY DATA SHEET

Product Name	ANTIMONY TRICHLORIDE AR(Antimony (III) Chloride)
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1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name : ANTIMONY TRICHLORIDE AR

Product code : A0292

Identification of the product: ANTIMONY TRICHLORIDE AR

CAS No : 10025-91-9

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

Use: Industrial. For professional use only.

1.3 Details of the supplier of the safety data sheet

Company identification: CYNOR

National industry, Pipodra GIDC, Surat-394110, Gujarat, India.

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2. Hazards identification -DSD

2.1 Classification of the substance or mixture

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

Skin corrosion/irritation,

Category 1B H314

Hazardous to the aquatic environment — Chronic

Hazard, Category 2 H411

Classification according to Directive 67/548/EEC or 1999/45/EC

Adverse physicochemical, human health and environmental effects

No additional information available

2.2 Label element

Labelling according to Regulation (EC) No. 1272/2008 [CLP] Extra labelling to display

Symbol(s) : N : Dangerous for the

environment C: Corrosive



R Phrase(s) : R34: Cause burns.

R51/53 : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S Phrase(s) : S26: In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

S61 : avoid release to the environment . refer to special instruction/safety data sheets.

Hazard pictograms



Signal word : Danger

Hazard statements (CLP) : H314 - Causes severe skin burns and eye damage

H411 - Toxic to aquatic life with long lasting effects

Precautionary statements (CLP) : P273 - Avoid release to the environment

P280 - Wear protective gloves, protective clothing, eye protection, face protection

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

2.3 Other hazards

No additional information available

3. Composition/information on ingredients

Substance / Preparation: ANTIMONY TRICHLORIDE AR

CAS No : 10025-91-9

Substance.

Contains no other components or impurities which will influence the classification of the product.

4. First aid measures

4.1 Description of first aid measures

First-aid measures after inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.

First-aid measures after skin contact : Remove/Take off immediately all contaminated clothing. Get immediate medical advice/attention. Wash with plenty of soap and water.

First-aid measures after eye contact : Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms/injuries : Causes severe skin burns and eye damage.

Symptoms/injuries after eye contact : Causes serious eye damage.

4.3 Indication of any immediate medical attention and special treatment needed

No additional information available

5. Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media : Carbon dioxide. Dry powder. Foam. Water spray

Unsuitable extinguishing media : Do not use a heavy water stream

5.2 Specific hazards arising from the substance or mixture

No additional information available

5.3 Advice for fire-fighters

Protection during firefighting : Do not enter fire area without proper protective equipment, including Respiratory protection.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For emergency responders:

Protective equipment: Use personal protective equipment as required.

Emergency procedures: Ventilate area.

For non-emergency personnel:

Emergency procedure: Evacuate unnecessary personnel

6.2 Environmental precautions

Avoid release to the environment

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. On land, sweep or shovel into suitable containers.

6.4 Reference to other sections

No additional information available

7. Handling and storage

7.1 Precautions for safe handling

Precautions for safe handling : Avoid contact with skin and eyes. Do not breathe vapours. Provide good ventilation in process area to prevent formation of vapour.

Hygiene measures : Wash contaminated clothing before reuse. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a well-ventilated place. Keep container tightly closed.

7.3 Specific end use(s)

No additional information available

8. Exposure controls/personal protection

8.1 Control parameter

No additional information available

8.2 Exposure control

Hand protection : protective gloves

Eye protection : Chemical goggles or safety glasses

Skin and body protection : Wear suitable protective clothing

Respiratory protection : [In case of inadequate ventilation] wear respiratory protection.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Odour threshold : No data available

Odour: pungent odour

pH : No data available

Relative evaporation rate (butylacetate=1) : No data available

Melting point : 73.4 °C

Freezing point : No data available
Boiling point : 283 °C
Flash point : No data available
Auto-ignition temperature : No data available
Decomposition temperature : No data available
Flammability (solid, gas) : No data available
Vapour pressure : 0.28hPa at 20 °C
Relative vapour density at 20 °C : 7.9
Relative density : No data available
Density : 3.14 g/cm³
Solubility : Water: Insoluble in water
Log Pow : No data available
Viscosity, kinematic : No data available
Viscosity, dynamic : No data available
Explosive properties : No data available
Oxidising properties : No data available
Explosive limits : No data available

9.2 Other information

No additional information available

10. Stability and reactivity

10.1 Reactivity

No additional information available

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No additional information available

10.4 Conditions to avoid

Direct sunlight. Moisture. Air contact

10.5 Incompatible materials

No additional information available

10.6 Hazardous decomposition products

No additional information available

11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity : Not classified

Skin corrosion/irritation : Causes severe skin burns and eye damage.

Serious eye damage/irritation : Serious eye damage, category 1, implicit

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified Aspiration hazard : Not classified

12. Ecological information

12.1 Toxicity

Ecology - water : Very toxic to aquatic life with long lasting effects.

12.2 Persistence – degradability

Persistence and degradability May cause long-term adverse effects in the environment.

12.3 Bioaccumulative potential

No additional information available

12.4 Mobility in soil

No additional information available

12.5 Results of PBT and vPvB assessment

No additional information available

12.6 Other adverse effects

No additional information available

13. Disposal considerations

13.1 Waste treatment methods

Product/Packaging disposal

recommendations

: Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

14. Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1 UN number

UN-No. (ADR) : 1733

UN-No. (IMDG) : 1733

UN-No. (IATA) : 1733

UN-No. (ADN) : Not regulated

UN-No. (RID) : Not regulated

14.2 UN proper shipping name

Proper Shipping Name (ADR) : ANTIMONY TRICHLORIDE Proper

Shipping Name (IMDG) : ANTIMONY TRICHLORIDE Proper

Shipping Name (IATA) : ANTIMONY TRICHLORIDE Proper

Shipping Name (ADN) : Not regulated

Proper Shipping Name (RID) : Not regulated

Transport document description (ADR) : UN 1733 ANTIMONY TRICHLORIDE, 8, II, (E), ENVIRONMENTALLY HAZARDOUS

Transport document description (IMDG) : UN 1733 ANTIMONY TRICHLORIDE, 8, II, MARINE

POLLUTANT/ENVIRONMENTALLY HAZARDOUS

Transport document description (IATA) : UN 1733 ANTIMONY TRICHLORIDE, 8, II, ENVIRONMENTALLY HAZARDOUS

14.3 Transport hazard class(es)

ADR: Transport hazard class(es) (ADR) : 8

Danger labels (ADR) : 8

IMDG : Transport hazard class(es) (IMDG) : 8

Danger labels (IMDG) : 8

IATA: Transport hazard class(es) (IATA) : 8

Hazard labels (IATA) : 8

ADN: Transport hazard class(es) (ADN) : 8

Danger labels (ADN) : 8

RID: Transport hazard class(es) (RID) : 8

Danger labels (RID) : 8

14.4Packing group

Packing group (ADR) : II

Packing group (IMDG) : II

Packing group (IATA) : II

Packing group (ADN) : Not regulated

Packing group (RID) : Not regulated

14.5Environmental hazards

Dangerous for the environment : Yes

Marine pollutant : Yes

Other information : No supplementary information available

14.6Special precautions for user

Overland transport

Classification code (ADR) : C2

Limited quantities (ADR) : 1kg

Excepted quantities (ADR) : E2

Packing instructions (ADR) : P002, IBC08

Special packing provisions (ADR) : B4 Mixed

packing provisions (ADR) : MP10

Portable tank and bulk container instructions (ADR) : T3 Portable tank

and bulk container special provisions (ADR) : TP33Tank code (ADR) :

SGAN, L4BN

Vehicle for tank carriage : AT

Transport category (ADR) : 2

Special provisions for carriage – Packages (ADR) : V11

Hazard identification number (Kemler No.) : 80

Orange plates :

Tunnel restriction code (ADR) : EEAC

code : 4W

Transport by sea

Limited quantities (IMDG) : 1 kg

Excepted quantities (IMDG) : E2

Packing instructions (IMDG) : P002

IBC packing instructions (IMDG) : IBC08IBC

special provisions (IMDG) : B2, B4 Tank

instructions (IMDG) : T3

Tank special provisions (IMDG) : TP33

EmS-No. (Fire) : F-A

EmS-No. (Spillage) : S-B Stowage

category (IMDG) : C

Stowage and handling (IMDG) : SW2

MFAG-No : 157

Air transport

PCA Excepted quantities (IATA) : E2

PCA Limited quantities (IATA) : Y844

PCA limited quantity max net quantity (IATA) : 5kg

PCA packing instructions (IATA) : 859

PCA max net quantity (IATA) : 15kg

CAO packing instructions (IATA) : 863

CAO max net quantity (IATA) : 50kg

ERG code (IATA) : 8L

Inland waterway transport

Not regulated

Rail transport

Not regulated

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

15. Regulatory information

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

15.1.1 EU-Regulations

No REACH Annex XVII restrictions

ANTIMONY TRICHLORIDE is not on the REACH Candidate List

ANTIMONY TRICHLORIDE is not on the REACH Annex XIV List

15.1.2 National regulations

Germany

AwSV/VwVwS Annex reference : Water hazard class (WGK) 2, hazardous to water
(Classification according to VwVwS, Annex 3; WGK No 4055)

12th Ordinance Implementing the Federal

Immission Control Act - 12.BImSchV

: Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Denmark

Recommendations Danish Regulation : Young people below the age of 18 years are not allowed to use the product

15.2 Chemical safety assessment

No additional information available

16. Other information

Abbreviations and acronyms : PBT: persistent, bioaccumulative and toxic. vPvB: very persistent and very bioaccumulative

Sources of key data used : 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



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Further information : None.

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