

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

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MATERIAL SAFETY DATA SHEET

Product Name	ANTIMONY SULPHIDE BLACK(Antimony (III) Sulphide black)
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1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name : ANTIMONY SULPHIDE BLACK

Product code : A0289

Identification of the product: ANTIMONY SULPHIDE BLACK

CAS No : 1345-04-06

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.

Email: cynorlaboratories@gmail.com Mobile No.: +91 8799070507

2. Hazards identification -DSD

2.1 Classification of the substance or mixture

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

Acute toxicity (oral), H302

Category 4

Acute toxicity H332 (inhalation:gas)

Category 4

Hazardous to the aquatic environment — Chronic H411

Hazard, Category 2

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

Xn; R20/22

N; R51/53

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2 Label element

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

Symbol(s) :Xn: Harmful



R Phrase(s) : R37. Irritating to respiratory system

S Phrase(s) : S36. Wear suitable protective clothing

S26. In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Hazard pictograms :



Signal word : Warning

Hazard statements : H302+H332 - Harmful if swallowed or if inhaled

H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements: P273 - Avoid release to the environment.

2.3 Other hazards

No additional information available

3. Composition/information on ingredients

Substance / Preparation: Antimony sulphide black

CAS No : 1345-04-6

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 : Assure fresh air breathing.

If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

First-aid measures after skin contact : Wash with plenty of soap and water.

Wash contaminated clothing before reuse. Get medical advice/attention.

First-aid measures after eye contact : Remove contact lenses, if present and easy to do.

Continue rinsing. Rinse cautiously with water for several minutes. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : Rinse mouth out with water. Call a POISON CENTER/doctor if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation : Harmful if inhaled.

Symptoms/injuries after ingestion : Harmful if swallowed.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

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. Avoid dust formation.

Hygiene measures : Do not eat, drink or smoke when using this product. 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 area. Keep in fireproof place.

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 : Wear respiratory protection

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Odour threshold: No data available.

pH value: No data available.

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

Melting point [°C]: 550 °C

Freezing point: No data available

Boiling point: No data available

Flash point: No data available

Auto-ignition temperature : No data available

Decomposition temperature : No data available

Flammability (solid, gas) : No data available

Flammable liquid and vapour Vapour pressure : No data available

Relative vapour density at 20 °C : No data available

Relative density : No data available

Relative gas density : No data available

Density:4.64 g / cm³

Solubility : Water insoluble

Insoluble 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 .Air contact .Moisture

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 : Inhalation: Harmful if inhaled. Oral: Harmful if swallowed.Skin

corrosion/irritation : Not classified

Serious eye damage/irritation : Not classified

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

Potential adverse human health effects and symptoms: Harmful if swallowed.

12. Ecological information

12.1 Toxicity

Ecology - water : 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) : 1549

UN-No. (IMDG) : 1549

UN-No. (IATA) : 1549

UN-No. (ADN) : 1549

UN-No. (RID) : 1549

14.2 UN proper shipping name

Proper Shipping Name (ADR) : ANTIMONY COMPOUND, INORGANIC, SOLID, N.O.S.

Proper Shipping Name (IMDG) : ANTIMONY COMPOUND, INORGANIC, SOLID, N.O.S.

Proper Shipping Name (IATA) : Antimony compound, inorganic, solid, n.o.s.

Proper Shipping Name (ADN) : ANTIMONY COMPOUND, INORGANIC, SOLID, N.O.S.

Proper Shipping Name (RID) : ANTIMONY COMPOUND, INORGANIC, SOLID, N.O.S.

Transport document description (ADR) : UN 1549 ANTIMONY COMPOUND,
INORGANIC, SOLID, N.O.S., 6.1, III, (E),
ENVIRONMENTALLY HAZARDOUS

Transport document description (IMDG) : UN 1549 ANTIMONY COMPOUND,
INORGANIC, SOLID, N.O.S., 6.1, III, MARINE POLLUTANT/ENVIRONMENTALLY
HAZARDOUS

Transport document description (IATA) : UN 1549 Antimony compound, inorganic, solid,
n.o.s., 6.1, III, ENVIRONMENTALLY
HAZARDOUS

Transport document description (ADN) : UN 1549 ANTIMONY COMPOUND,
INORGANIC, SOLID, N.O.S., 6.1, III,
ENVIRONMENTALLY HAZARDOUS

Transport document description (RID) : UN 1549 ANTIMONY COMPOUND,
INORGANIC, SOLID, N.O.S., 6.1, III,
ENVIRONMENTALLY HAZARDOUS

14.3 Transport hazard class(es)

ADR- Transport hazard class(es) (ADR) : 6.1

Danger labels (ADR) : 6.1

IMDG- Transport hazard class(es) (IMDG) : 6.1

Danger labels (IMDG) : 6.1

IATA- Transport hazard class(es) (IATA) : 6.1

Hazard labels (IATA) : 6.1

AND- Transport hazard class(es) (ADN) : 6.1

Danger labels (ADN) : 6.1

RID- Transport hazard class(es) (RID) : 6.1

Danger labels (RID) : 6.1

14.4 Packing group

Packing group (ADR) : III

Packing group (IMDG) : III

Packing group (IATA) : III

Packing group (ADN) : III

Packing group (RID) : III

14.5 Environmental hazards

Dangerous for the environment : Yes

Marine pollutant : Yes

Other information : No supplementary information available

14.6 Special precautions for user

Overland transport- Classification code (ADR) : T5

Special provisions (ADR) : 45, 274, 512

Limited quantities (ADR) : 5kg

Excepted quantities (ADR) : E1

Packing instructions (ADR) : P002, IBC08, LP02, R001

Special packing provisions (ADR) : B3

Mixed packing provisions (ADR) : MP10

Portable tank and bulk container

instructions (ADR) : T1

Portable tank and bulk container special

provisions (ADR): TP33

Tank code (ADR) : SGAH, L4BH

Tank special provisions (ADR) : TU15, TE19

Vehicle for tank carriage : AT

Transport category (ADR) : 2

Special provisions for carriage - Bulk

(ADR): VC1, VC2, AP7

Special provisions for carriage - Loading,

unloading and handling (ADR) : CV13, CV28

Special provisions for carriage - Operation

(ADR): S9

Hazard identification number (Kemler No.) : 60

Orange plates :

Tunnel restriction code (ADR) : E

EAC code : 2Z

Transport by sea- Special provisions (IMDG) : 45, 274

Packing instructions (IMDG) : P002, LP02

IBC packing instructions (IMDG) : IBC08IBC

special provisions (IMDG) : B3

Tank instructions (IMDG) : T1

Tank special provisions (IMDG) : TP33



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EmS-No. (Fire) : F-A

EmS-No. (Spillage) : S-A

Stowage category (IMDG) : A

Properties and observations (IMDG) : A wide range of toxic solids. Toxic if swallowed, by skin contact or by inhalation.

MFAG-No : 157

Air transport- PCA Excepted quantities (IATA) : E1

PCA Limited quantities (IATA) : Y645

PCA limited quantity max net quantity

(IATA): 10kg

PCA packing instructions (IATA) : 670

PCA max net quantity (IATA) : 100kg

CAO packing instructions (IATA) : 677

CAO max net quantity (IATA) : 200kg

Special provisions (IATA) : A12

ERG code (IATA) : 6L

Inland waterway transport- Classification code (ADN) : T5

Special provisions (ADN) : 45, 274, 512, 802

Limited quantities (ADN) : 5 kg

Excepted quantities (ADN) : E1

Equipment required (ADN) : PP, EP

Number of blue cones/lights (ADN) : 0

Rail transport- Classification code (RID) : T5

Special provisions (RID) : 45, 274, 512

Excepted quantities (RID) : E1

Packing instructions (RID) : P002, IBC08, LP02, R001

Special packing provisions (RID) : B3

Mixed packing provisions (RID) : MP10

Portable tank and bulk container

instructions (RID): T1

Portable tank and bulk container special

provisions (RID): TP33

Tank codes for RID tanks (RID) : SG4H, L4BH

Special provisions for RID tanks (RID) : TU15

Transport category (RID) : 2

Special provisions for carriage – Bulk

(RID): VC1, VC2, AP7

Special provisions for carriage - Loading,

unloading and handling (RID): CW13, CW28, CW31

Colis express (express parcels) (RID) : CE11

Hazard identification number (RID) : 60

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 Sulphide Black Extra Pure is not on the REACH Candidate List
Antimony Sulphide Black Extra Pure is not on the REACH Annex XIV List

15.1.2 National regulations

Germany

1 Germany

12th Ordinance Implementing the Federal

Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Netherlands

SZW-lijst van kankerverwekkende stoffen : The substance is not listed SZW-

lijst van mutagene stoffen : The substance is not listed

NIET-limitatieve lijst van voor de

voortplanting giftige stoffen – Borstvoeding : The substance is not listed

NIET-limitatieve lijst van voor de

voortplanting giftige stoffen – Vruchtbaarheid : The substance is not listed NIET-

limitatieve lijst van voor de

voortplanting giftige stoffen – Ontwikkeling : The substance is not listed

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

Further information : None.

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