

1. IDENTIFICATION

Product Identifier

Product Name Dichlorosan A

Recommended use of the chemical and restrictions on use

Recommended use Chlorinated additive
Restrictions on use For industrial use only

Supplier details

West Penetone Inc.
 10900 Secant
 Montreal, QC,
 H1J 5S1
 Tel: 514-355-4660

Emergency Telephone Number

Canutec (613)-996-6666

2. HAZARDS IDENTIFICATION

Classification

Skin Corrosion/Irritation	Category 1
Eye damage/ irritation	Category 1
Acute toxicity- oral	Category 4
Acute toxicity- inhalation	Category 2
Acute toxicity- dermal	Category 3
Oxidizing solids	Category 2

Label Elements

DANGER

Hazard Statements

Causes severe skin burns and eye damage|
 Harmful if swallowed
 Fatal if inhaled
 Toxic in contact with skin
 Heating may cause a fire
 May intensify fire; oxidizer



Precautionary Statements - Prevention

Do not breathe dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well ventilated area.
 In case of inadequate ventilation, wear respiratory protection.
 Wash face, hands and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product.
 Wear protective gloves/protective clothing/eye protection/face protection.
 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 Keep away from clothing and other combustible materials.
 Keep only in original packaging. Keep cool.

Precautionary Statements - Response

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 or doctor/physician.
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
 Wash contaminated clothing before reuse. Call a POISON CENTER / doctor if you feel unwell.
 IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.
 Immediately call a POISON CENTER or doctor/physician.
 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.
 In case of fire: Use CO₂, foam, dry chemical, water fog to extinguish.

Precautionary Statements - Storage

Store locked up. Store in a well ventilated place. Keep container tightly closed.

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant according to local, provincial/federal regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Sodium chlorite	7758-19-2	45-50
Sodium sulfate	7757-82-6	20-30
Sodium carbonate	497-19-8	10-20

4. FIRST AID MEASURES

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.
Skin contact	Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.
Inhalation	Remove person to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.
Ingestion	Do not induce vomiting. Drink 1 or 2 glasses of water. Call a physician or Poison Control Centre immediately. Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed

Causes severe burns to eyes, skin and mucous membranes. Symptoms include tingling sensation, stinging pain and / or reddening or whitening of tissues.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. FIRE-FIGHTING MEASURES**Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media

None.

Specific hazards arising from the chemical

Oxidizer. Contact with other materials may cause fire or may react with other material or upon heating. The product causes burns to eyes, skin and mucous membranes.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Avoid contact with skin, eyes and clothing. Use personal protective equipment as described in Section 8.

Environmental Precautions

Prevent further leakage or spillage if safe to do so.

Methods and material for containment and cleaning up

Sweep up and place in suitable, closed containers for disposal in accordance with local/national regulations. After cleanup, rinse area with water.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Handling Avoid contact with skin, eyes and clothing. Wash face, hands and any exposed skin thoroughly after handling. Use personal protective equipment as described in Section 8.

Conditions for safe storage, including any incompatibilities

Storage Keep containers tightly closed in a dry, cool and well-ventilated place.

Incompatible Materials Acids, reducing agents, organic materials.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

None of the constituents in this product have a known exposure limit.

Appropriate engineering controls

Engineering Controls Ensure adequate ventilation, especially in confined areas.

Individual protection measures, such as personal protective equipment

Eye/face Protection Splash proof goggles or face shield.

Skin and body protection Wear rubber or neoprene gloves.

Respiratory Protection If exposure limits are exceeded or if ventilation is inadequate, NIOSH/MSHA approved respiratory protection should be worn.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE :
Grayish, granular powder
ODOR
Faint chlorine
ODOR THRESHOLD :
Not applicable

VAPOR PRESSURE, mm Hg AT 20°C :
Not applicable
VAPOR DENSITY (Air = 1) :
Not applicable
RELATIVE DENSITY AT 20°C:
Not applicable

pH :

Not applicable

MELTING POINT / FREEZING POINT :

Not applicable

BOILING POINT/BOILING RANGE :

Not applicable

FLASH POINT :

None

EVAPORATION RATE, water = 1 :

Not applicable

FLAMMABILITY (SOLID, GAS):

Not combustible

SOLUBILITY IN WATER :

Not available

PARTITION COEFFICIENT, N-OCTANOL/WATER :

Not available

AUTO-IGNITION TEMPERATURE :

None

DECOMPOSITION TEMPERATURE:

Not available

VISCOSITY:

Not applicable

FLAMMABLE LIMITS :**UPPER:** Not applicable **LOWER :** Not applicable**10. STABILITY AND REACTIVITY****Reactivity**

Not reactive

Conditions to Avoid

Store away from incompatible materials.

Chemical Stability

Stable under normal conditions.

Possibility of hazardous reactions

Chlorine gas will be generated if mixed with acids.

Incompatible Materials

Acids, reducing agents, organic materials.

Hazardous decomposition products

Chlorine, sodium oxides

11. TOXICOLOGICAL INFORMATION**Acute toxicity**

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Sodium chlorite 7758-19-2	165 mg/kg (Rat)	107.2 mg/kg (Rabbit)	230 mg/m ³ rat – 4h
Sodium sulfate 7757-82-6	> 10000 mg/kg (Rat)	No data available	No data available
Sodium carbonate 497-19-8	2800 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	2.3 mg/L rat – 2h

Information on likely sources of exposure**Serious eye damage/irritation**

Corrosive to eyes and may cause grave lesions.

Skin corrosion/irritation

Corrosive to skin.

Ingestion

Ingestion may cause burns to the digestive and respiratory tract.

Inhalation

Spray mist may cause irritation or burns to respiratory tract.

Delayed and immediate effects and also chronic effects from short and long-term exposure**Respiratory or skin sensitization**

Not a sensitizer.

Germ cell mutagenicity

None known.

Carcinogenicity

No listed human carcinogens.

Reproductive toxicity

None known.

STOT - single exposure

None known

STOT-repeated exposure

None known.

Aspiration Hazard

None.

Symptoms related to the physical, chemical and toxicological characteristics

Refer to Section 4.

12. ECOLOGICAL INFORMATION**Ecotoxicity**

No information available

Persistence and degradability

No information available

Bioaccumulative potential

No information available

Mobility in soil

No information available

Other adverse effects

None known

13. DISPOSAL CONSIDERATIONS**Waste Disposal Method**

Dispose of in accordance with local regulations.

Contaminated Packaging

Empty containers should be taken for local recycling, recovery or waste disposal.

14. TRANSPORT INFORMATION**TDG classification**

UN1479, oxidizing solid, n.o.s. (sodium chlorite), class 5.1, PG II

15. REGULATORY INFORMATION

All ingredients are listed on the DSL

16. OTHER INFORMATION**Preparation Date**

January 2, 2017

Revision Date

not applicable

Revision Note

not applicable

Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of SDS

DICHLOROSAN B

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Date prepared: January 2, 2017
MSDS : Dichlorosan B SDS GHS**1. IDENTIFICATION****Product Identifier****Product Name** Dichlorosan B**Recommended use of the chemical and restrictions on use****Recommended use** Acidic additive**Restrictions on use** For industrial use only**Supplier details**West Penetone Inc.
10900 Secant
Montreal, QC,
H1J 5S1
Tel: 514-355-4660**Emergency Telephone Number**

Canutec (613)-996-6666

2. HAZARDS IDENTIFICATION**Classification**

Eye damage/Irritation

Category 1

Label Elements**DANGER****Hazard Statements**

Causes serious eye damage

**Precautionary Statements - Prevention**

Wear eye protection/face protection.

Precautionary Statements - Response

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 or doctor/physician.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Sodium bisulfate	7681-38-1	90-100

4. FIRST AID MEASURES

Eye contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Contact physician if irritation persists.
Skin contact	Rinse skin with water. Wash contaminated clothing before reuse.
Inhalation	Not applicable
Ingestion	Do not induce vomiting. Drink 1 or 2 glasses of water. Call a physician or Poison Control Centre immediately. Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed

Causes irritation to eyes. Symptoms include tingling sensation and / or reddening.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. FIRE-FIGHTING MEASURES**Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media

None.

Specific hazards arising from the chemical

None known.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Avoid contact with skin, eyes and clothing. Use personal protective equipment.

Environmental Precautions

Prevent further leakage or spillage if safe to do so.

Methods and material for containment and cleaning up

Rinse area with plenty of water.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Handling Avoid contact with skin, eyes and clothing.

Conditions for safe storage, including any incompatibilities

Storage Keep containers tightly closed in a dry, cool and well-ventilated place.

Incompatible Materials Oxidizers, chlorinated products

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

None of the constituents in this product have a known exposure limit.

Appropriate engineering controls

Engineering Controls Not required.

Individual protection measures, such as personal protective equipment

Eye/face Protection Safety goggles.

Skin and body protection Wear protective gloves.

Respiratory Protection Not required.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE :

White globular beads

ODOR

None

ODOR THRESHOLD :

Not applicable

pH :

< 1 (5% solution)

MELTING POINT / FREEZING POINT :

315 °C

BOILING POINT/BOILING RANGE :

Not applicable

VAPOR PRESSURE, mm Hg AT 20°C :

Not applicable

VAPOR DENSITY (Air = 1) :

Not applicable

RELATIVE DENSITY AT 20°C:

Not applicable

SOLUBILITY IN WATER :

285 g/L at 25°C

PARTITION COEFFICIENT, N-OCTANOL/WATER :

Not available

AUTO-IGNITION TEMPERATURE :

None

FLASH POINT :

None

EVAPORATION RATE, water = 1 :

Not applicable

FLAMMABILITY (SOLID, GAS):

Non combustible

DECOMPOSITION TEMPERATURE:

Not available

VISCOSITY:

Not applicable

FLAMMABLE LIMITS :**UPPER:** Not applicable **LOWER :** Not applicable**10. STABILITY AND REACTIVITY****Reactivity**

Not reactive

Conditions to Avoid

None.

Chemical Stability

Stable under normal conditions.

Possibility of hazardous reactions

Chlorine and other toxic gases will be generated if mixed with chlorinated compounds.

Incompatible Materials

Oxidizers, chlorinated products

Hazardous decomposition products

None

11. TOXICOLOGICAL INFORMATION**Acute toxicity**

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Sodium bisulfate 7681-38-1	2800 mg/kg (Rat)	No data available	Not applicable

Information on likely sources of exposure**Serious eye damage/irritation**

Irritating to eyes.

Skin corrosion/irritation

May irritate skin after prolonged exposure

Delayed and immediate effects and also chronic effects from short and long-term exposure**Respiratory or skin sensitization**

Not a sensitizer.

Germ cell mutagenicity

None known.

Carcinogenicity

No listed human carcinogens.

Reproductive toxicity

None known.

STOT - single exposure

None known.

STOT-repeated exposure

None known.

Aspiration Hazard

None.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms include tingling sensation and / or reddening of eyes.

12. ECOLOGICAL INFORMATION**Ecotoxicity**

No information available

Persistence and degradability

No information available

Bioaccumulative potential

No information available

Mobility in soil

No information available

Other adverse effects

None known

13. DISPOSAL CONSIDERATIONS**Waste Disposal Method**

Dispose of in accordance with local regulations.

Contaminated Packaging

Empty containers should be taken for local recycling, recovery or waste disposal.

14. TRANSPORT INFORMATION**TDG classification**

Not regulated

15. REGULATORY INFORMATION

All ingredients are listed on the DSL

16. OTHER INFORMATION**Preparation Date**

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Revision Date

not applicable

Revision Note

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End of SDS