

## SAFETY DATA SHEETS

**This SDS packet was issued with item:**

078557202

N/A

# Safety Data Sheet

## SECTION I – Chemical Product and Company Identification

Date Printed: 01/27/2014

Prepare date: 12/27/2006

SDS Inv.# 1170A  
Revision 1

Stone Product #: 47400, 47420

Product Name: Epi-Clo2 Shampoo – (Part A)

Synonyms: Sodium Chlorite, chlorous acid, sodium salt aqueous gel

Chemical: Oxidant Salt

Case no.: 7758-19-2 (sodium chlorite)

**Supplier:**

Stone Mfg. & Supply Co.

1212 Kansas Ave.

Kansas City, MO 64127

Ph. 816-231-4020(for information only)  
(SMFG)

**IN CASE OF CHEMICAL EMERGENCY CALL CHEMTREC**

For domestic shipments in USA/North America use 800-424-9300

For shipments outside USA use 703-527-3887 (collect calls accepted)

**Manufacturer:**

Frontier Pharmaceutical, Inc.

Id No.: DW-01

## Section II – Composition / Information on Hazardous Ingredients

Not applicable

## Section III – Physical Data

**Boiling Point at 1 ATM.:** NA

**Evaporation Rate:** NA

**Vapor Pressure:** NA

**Specific Gravity:** NA

**Viscosity:** 9,000cp

**Vapor Density (AIR):** NA

**pH @ 25°C:** 12.4

**Appearance and odor:** slightly yellow clear gel.

**Water Solubility:** partial

## Section IV – Fire & Explosion Data

**Flash Point & Method:** NA

**Auto Ignition Temp.:** If solution is allowed to dry on organic material, fire may result.

**Flammability Limit (AIR):** NA

**Special Fire-Fighting procedure:** none

**Extinguishing Media:** The gel will not burn. Use water to cool fire-exposed containers

**Unusual Fire Explosion Hazard:** None

Continued on page 2 of 3 pages

## Section V – Reactivity Data

**Stability:** Stable

**Condition to Avoid:** Exposure to direct sunlight. Temperature exceeding 120°F (49°C). Contact with organic material may result in the formation of highly reactive and flammable compound.

**Hazardous Decomposition Products:** Chlorine dioxide gas may be generated when combined with bleach, strong acids and peroxides.

**Hazardous Polymerization:** Will not occur

## Section VI – Health Hazard Information

**Threshold limit Value (TLV):** NA

**Effects of Overexposure:** NA

**Eye Contact:** Flush immediately with water. Get medical attention, if irritation persists.

**Skin Contact:** Highly unlikely to be absorbed through skin in toxic amounts. Acute dermal LD<sub>50</sub> >2020 mg/kg (sodium chlorite). Wash with water.

**Inhalation:** Exposure to large amount of chlorine dioxide gas generated by contact with strong acids, hypochlorite (bleach) or peroxide requires removal of individual to fresh air and possible medical attention.

**Ingestion:** Rat Oral LD<sub>50</sub> 4,360mg/kg (sodium chlorite). Ingestion may produce gastric discomfort, nausea, vomiting, and diarrhea. Give milk or water to drink. Do not induce vomiting.

## Section VII – Spill, Leak, and Disposal Procedures

**Spill, Leaks: (Steps to be taken)** Flush spills with water. Do not allow to dry on rags, paper or other oxidizable material.

**Wastes Disposal Method:** Dilute with water and flush down drain.

## Section VIII – Special Protection Information

**Respiratory Protection:** (Specify Type) Unnecessary

**Ventilation:** Open air or good room ventilation is adequate for safe use of this product. Avoid breathing any vapors or fumes resulting from strong acid activation.

**Protective Gloves:** Not required

**Eye Protection:** Avoid contact with eye

**Other Protective Equipment:** None

## Section IX – Special Precautions and Comments

**Storage & Handling Information:** Store at room temperature, out of direct sunlight. Best if stored in the dark.

**Other Precautions:** None required.

## Section X– HMIS Ratings

**HMIS Rating – Health:**

**Flammability:**

**Reactivity:**

## Section XI – Transportation and Storage (SARA)

**SARA Section 313:** This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and CFR Part 372

-----**Chemical Name**-----

**CASE#**

**wt/wt% is less than**

No SARA Section 313 components exist in this

product. Previous SDS Revision Date:

Legend:

NA – not applicable  
ND – not determined  
NE – not established

## Section XI – Transportation and Storage (DOT)

**Transportation and Storage:** If container is damaged in transit Part A and B could become mixed causing a potentially hazardous condition.

**DOT Classification:**

## Section XII – Other Regulatory Information

**Other Regulatory Information:** Disclaimer: The forgoing information has been compiled from sources believed to be accurate but is not warranted to be. Recipients are advised to confirm in advance of need that data is correct. Standards change without notice. It is the responsibility of the recipient to assure that their personnel have been notified of any changes, which may affect them. The data provided on this SDS is not meant to be used as specification, only as guideline information as to the safe use of the product. User should refer to applicable laws before use.

**Proposition 65 Statement:** No Information.

This SDS complies with guidelines set by 29 CFR 1910.1200 It is the responsibility of the user to comply with all Federal, State, and Local laws and regulations.

# Safety Data Sheet

## SECTION I – Chemical Product and Company Identification

Date Printed: 01/27/2014

Prepare date: 12/27/2006

SDS Inv.# 1170B  
Revision 1

Stone Product #: 47400, 47420

Product Name: Epi-Clo2 Shampoo – (Part B)

Synonyms: Combination of phosphoric acid, lactic acid

Chemical: mineral and organic acid

Case no.: 7664-38-2

**Supplier:**

Stone Mfg. & Supply Co.

1212 Kansas Ave.

Kansas City, MO 64127

Ph. 816-231-4020(for information only)  
(SMFG)

**IN CASE OF CHEMICAL EMERGENCY CALL CHEMTREC**

For domestic shipments in USA/North America use 800-424-9300

For shipments outside USA use 703-527-3887 (collect calls accepted)

**Manufacturer:**

Frontier Pharmaceutical, Inc.

Id No.: DW-02

## Section II – Composition / Information on Hazardous Ingredients

Not applicable

## Section III – Physical Data

**Boiling Point at 1 ATM.:** NA

**Evaporation Rate:** NA

**Vapor Pressure:** NA

**Specific Gravity:** NA

**Viscosity:** 14,000cp

**Vapor Density (AIR):** NA

**pH @ 25°C:** 3.3

**Appearance and odor:** Clear pale blue Gel

**Water Solubility:** Partial

## Section IV – Fire & Explosion Data

**Flash Point & Method:** NA

**Auto Ignition Temp.:** NA

**Flammability Limit (AIR):** Although this product does not meet the definition for flammability, it can react with metals to liberate hydrogen, a flammable gas.

**Special Fire-Fighting procedure:** none

**Extinguishing Media:** none

**Unusual Fire Explosion Hazard:** None

Continued on page 2 of 3 pages

## Section V – Reactivity Data

**Stability:** Stable

**Condition to Avoid:** Avoid mixing with Part A until ready to use. Chlorine dioxide will be generated upon mixture of parts A and B.

**Hazardous Decomposition Products:** None.

**Hazardous Polymerization:** Will not occur.

## Section VI – Health Hazard Information

**Threshold limit Value (TLV):** NA

**Effects of Overexposure:** NA

**Eye Contact:** Flush immediately with water for at least 15 minutes. Get medical attention, if irritation persists.

**Skin Contact:** Wash with water.

**Inhalation:** None required.

**Ingestion:** Give water to drink. Do not induce vomiting.

## Section VII – Spill, Leak, and Disposal Procedures

**Spill, Leaks: (Steps to be taken)** Flush spills with water.

**Wastes Disposal Method:** Dilute with water and flush down drain.

## Section VIII – Special Protection Information

**Respiratory Protection:** (Specify Type) Unnecessary

**Ventilation:** (Local Exhaust) Unnecessary.

**Protective Gloves:** Not required

**Eye Protection:** Avoid contact with eye

**Other Protective Equipment:** None

## Section IX – Special Precautions and Comments

**Storage & Handling Information:** Store at room temperature.

**Other Precautions:** None required.

## Section X– HMIS Ratings

**HMIS Rating – Health:**

**Flammability:**

**Reactivity:**

## Section XI – Transportation and Storage (SARA)

**SARA Section 313:** This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and CFR Part 372

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## Section XI – Transportation and Storage (DOT)

**Transportation and Storage:** If container is damaged in transit Part A and B could become mixed causing a potentially hazardous condition.

**DOT Classification:**

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# Material Safety Data Sheet

## SECTION I – Chemical Product and Company Identification

Date Printed: 01/04/2007

Prepare date: 12/27/2006

MSDS Inv.# 1170A  
Revision 1

Stone Product #: 47400, 47420

Product Name: Epi-Clo2 Shampoo – (Part A)

Synonyms: Sodium Chlorite, chlorous acid, sodium salt aqueous gel

Chemical: Oxidant Salt

Case no.: 7758-19-2 (sodium chlorite)

**Supplier:**

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1212 Kansas Ave.

Kansas City, MO 64127

Ph. 816-231-4020(for information only)  
(SMFG)

**IN CASE OF CHEMICAL EMERGENCY CALL CHEMTREC**

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**Manufacturer:**

Frontier Pharmaceutical, Inc.

Id No.: DW-01

## Section II – Composition / Information on Hazardous Ingredients

Not applicable

## Section III – Physical Data

**Boiling Point at 1 ATM.:** NA

**Evaporation Rate:** NA

**Vapor Pressure:** NA

**Specific Gravity:** NA

**Viscosity:** 9,000cp

**Vapor Density (AIR):** NA

**pH @ 25°C:** 12.4

**Appearance and odor:** slightly yellow clear gel.

**Water Solubility:** partial

## Section IV – Fire & Explosion Data

**Flash Point & Method:** NA

**Auto Ignition Temp.:** If solution is allowed to dry on organic material, fire may result.

**Flammability Limit (AIR):** NA

**Special Fire-Fighting procedure:** none

**Extinguishing Media:** The gel will not burn. Use water to cool fire-exposed containers

**Unusual Fire Explosion Hazard:** None

Continued on page 2 of 3 pages



## Section V – Reactivity Data

**Stability:** Stable

**Condition to Avoid:** Exposure to direct sunlight. Temperature exceeding 120°F (49°C). Contact with organic material may result in the formation of highly reactive and flammable compound.

**Hazardous Decomposition Products:** Chlorine dioxide gas may be generated when combined with bleach, strong acids and peroxides.

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**Threshold limit Value (TLV):** NA

**Effects of Overexposure:** NA

**Eye Contact:** Flush immediately with water. Get medical attention, if irritation persists.

**Skin Contact:** Highly unlikely to be absorbed through skin in toxic amounts. Acute dermal LD<sub>50</sub> >2020 mg/kg (sodium chlorite). Wash with water.

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**Wastes Disposal Method:** Dilute with water and flush down drain.

## Section VIII – Special Protection Information

**Respiratory Protection:** (Specify Type) Unnecessary

**Ventilation:** Open air or good room ventilation is adequate for safe use of this product. Avoid breathing any vapors or fumes resulting from strong acid activation.

**Protective Gloves:** Not required

**Eye Protection:** Avoid contact with eye

**Other Protective Equipment:** None

## Section IX – Special Precautions and Comments

**Storage & Handling Information:** Store at room temperature, out of direct sunlight. Best if stored in the dark.

**Other Precautions:** None required.

## Section X– HMIS Ratings

**HMIS Rating – Health:**

**Flammability:**

**Reactivity:**

## Section XI – Transportation and Storage (SARA)

**SARA Section 313:** This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and CFR Part 372

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Legend:

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**DOT Classification:**

## Section XII – Other Regulatory Information

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# Material Safety Data Sheet

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MSDS Inv.# 1170B  
Revision 1

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Chemical: mineral and organic acid

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## Section III – Physical Data

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**Vapor Pressure:** NA

**Specific Gravity:** NA

**Viscosity:** 14,000cp

**Vapor Density (AIR):** NA

**pH @ 25°C:** 3.3

**Appearance and odor:** Clear pale blue Gel

**Water Solubility:** Partial

## Section IV – Fire & Explosion Data

**Flash Point & Method:** NA

**Auto Ignition Temp.:** NA

**Flammability Limit (AIR):** Although this product does not meet the definition for flammability, it can react with metals to liberate hydrogen, a flammable gas.

**Special Fire-Fighting procedure:** none

**Extinguishing Media:** none

**Unusual Fire Explosion Hazard:** None

Continued on page 2 of 3 pages

## Section V – Reactivity Data

**Stability:** Stable

**Condition to Avoid:** Avoid mixing with Part A until ready to use. Chlorine dioxide will be generated upon mixture of parts A and B.

**Hazardous Decomposition Products:** None.

**Hazardous Polymerization:** Will not occur.

## Section VI – Health Hazard Information

**Threshold limit Value (TLV):** NA

**Effects of Overexposure:** NA

**Eye Contact:** Flush immediately with water for at least 15 minutes. Get medical attention, if irritation persists.

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