

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

GHS product identifier

Product Name ORTHO 20X Wash Buffer Concentrate

Other means of identification

Product Code(s) OCDUS933730

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended Use In vitro diagnostic

Uses advised against No information available

Supplier's details

Supplier Address
Ortho-Clinical Diagnostics, Inc.
1001 US Highway 202
Raritan, NJ 08869

Customer Service Telephone
US/Mexico –
English: 1 (800) 828-6316
Spanish: 1 (800) 828-6316

Canada -
English: 1 (800) 616-9000
French: 1 (800) 211-4911

Emergency telephone number

English: 1 (800) 421-3311
Spanish: 1 (800) 421-3311
French: 1 (888) 855-2777

Transportation Emergency Telephone
US/Canada: 1 (800) 424-9300
International and Maritime: +1 (703) 527-3887


2. HAZARDS IDENTIFICATION

Classification

| | |
|-----------------------|------------|
| Skin Sensitization | Category 1 |
| Reproductive Toxicity | Category 2 |

Label Elements

Emergency Overview

| | |
|--|-------------------------------|
| Signal Word | Warning |
| Hazard Statements | |
| <ul style="list-style-type: none"> • May cause an allergic skin reaction • Suspected of damaging fertility or the unborn child | |
|  | |
| Appearance Clear, Colorless. | Physical State Liquid. |
| | Odor None. |

Precautionary Statements

Prevention

- Avoid breathing dust/fume/gas/mist/vapors/spray.
- Contaminated work clothing should not be allowed out of the workplace.
- Wear protective gloves.
- Obtain special instructions before use.
- Do not handle until all safety precautions have been read and understood.
- Use personal protective equipment as required.

General Advice

- If exposed or concerned: Get medical attention/advice

Skin

- IF ON SKIN: Wash with plenty of soap and water.
- If skin irritation or rash occurs: Get medical advice/attention.
- Wash contaminated clothing before reuse.

Storage

- Store locked up.

Disposal

- Dispose of contents/container to an approved waste disposal plant.

Physical and Health Hazards Not Otherwise Classified

Not applicable.

Other information

May cause an allergic skin reaction.

0% of the mixture consists of ingredient(s) of unknown toxicity.

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS-No | Weight % | Hazardous Material | Date HMIRA filed and |
|---------------|--------|----------|--------------------|----------------------|
|---------------|--------|----------|--------------------|----------------------|

| | | | Information Review Act registry number (HMIRA registry #) | date exemption granted (if applicable) |
|-------------------|---------|---|---|--|
| 2-Chloroacetamide | 79-07-2 | 2 | - | - |

4. FIRST AID MEASURES

Description of necessary first-aid measures

Eye Contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention if irritation occurs.

Skin Contact Wash off immediately with plenty of water for at least 15 minutes. In the case of skin irritation or allergic reactions see a physician.

Inhalation IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Get medical attention.

Ingestion Rinse mouth. Do NOT induce vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person. Get medical attention.

Most important symptoms/effects, acute and delayed

Most Important Symptoms/Effects May cause allergic skin reaction. Itching. Hives. Rashes.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to Physician 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 No information available.

Explosion Data

Sensitivity to Mechanical Impact None.
Sensitivity to Static Discharge None.

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

Personal Precautions Use personal protective equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Avoid contact with skin, eyes and clothing.

Environmental Precautions

Environmental Precautions Prevent further leakage or spillage if safe to do so. See Section 12 for additional Ecological Information.

Methods and materials for containment and cleaning up

Methods for Containment Wipe up with absorbent material (e.g. cloth, fleece). Pick up and transfer to properly labeled containers.

Methods for Cleaning Up Clean contaminated surface thoroughly. Clean with disinfectants.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling Handle in accordance with good industrial hygiene and safety practice. Wear personal protective equipment. Refer to Section 8. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Storage Keep at temperatures between 15 °C and 30 °C.

Incompatible Products None known.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Exposure Guidelines This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Appropriate engineering controls

Engineering Measures Showers
 Eyewash stations
 Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/Face Protection Safety glasses with side-shields.
Skin and Body Protection Impervious gloves. Long sleeved clothing.
Respiratory Protection None required under normal usage.

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

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

| | | | |
|-----------------------|---------|-----------------------|-------------------|
| Physical State | Liquid. | Appearance | Clear, Colorless. |
| Odor | None. | Odor Threshold | None. |

| <u>Property</u> | <u>Values</u> | <u>Remarks/ - Method</u> |
|-----------------------------|---------------------------|--------------------------|
| pH | 6.3 - 6.7 | None known |
| Melting Point/Range | No data available | None known |
| Boiling Point/Boiling Range | No information available. | None known |
| Flash Point | Not determined. | None known |
| Evaporation rate | No data available | None known |
| Flammability (solid, gas) | No data available | None known |

| | | |
|---|-------------------|------------|
| Flammability Limits in Air | | |
| upper flammability limit | No data available | |
| lower flammability limit | No data available | |
| Vapor Pressure | No data available | None known |
| Vapor Density | No data available | None known |
| Specific Gravity | No data available | None known |
| Water Solubility | No data available | None known |
| Solubility in other solvents | No data available | None known |
| Partition coefficient: n-octanol/water | No data available | None known |
| Autoignition Temperature | No data available | None known |
| Decomposition Temperature | No data available | None known |
| Viscosity | No data available | None known |

Flammable Properties Not flammable

Explosive Properties No data available
Oxidizing Properties No data available

Other information

VOC Content (%) No data available

10. STABILITY AND REACTIVITY

| | |
|--|--|
| <u>Reactivity</u> | Not reactive under normal conditions. |
| <u>Chemical stability</u> | Stable under recommended storage conditions. |
| <u>Possibility of hazardous reactions</u> | None under normal processing. |
| <u>Hazardous Polymerization</u> | Hazardous polymerization does not occur. |
| <u>Conditions to avoid</u> | Heat. |
| <u>Incompatible materials</u> | None known. |
| <u>Hazardous decomposition products</u> | None known based on information supplied. |

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

| | |
|----------------------------|---|
| Product Information | |
| Inhalation | May cause irritation. |
| Eye Contact | May cause slight irritation. |
| Skin Contact | May cause sensitization by skin contact. |
| Ingestion | Not expected to be toxic following ingestion. |

| Chemical Name | LD50 Oral | LD50 Dermal | Inhalation |
|-------------------|---------------------|-------------|------------|
| 2-Chloroacetamide | = 138 mg/kg (Rat) | - | - |

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Symptoms of allergic reaction may include rash, itching, swelling, trouble breathing, tingling of the hands and feet, dizziness, lightheadedness, chest pain, muscle pain, or flushing

Delayed and immediate effects and also chronic effects from short and long term exposure

| | |
|--------------------------|---|
| Sensitization | May cause sensitization by skin contact. |
| Mutagenic Effects | No information available. |
| Carcinogenicity | Contains no ingredients above reportable quantities listed as a carcinogen. |

| | |
|---------------------------------|---------------------------|
| Reproductive Toxicity | No information available. |
| STOT - single exposure | No information available. |
| STOT - repeated exposure | No information available. |
| Aspiration Hazard | No information available. |

Numerical measures of toxicity - Product

The following values are calculated based on chapter 3.1 of the GHS document:

| | |
|-----------------------|--|
| Acute Toxicity | 0% of the mixture consists of ingredient(s) of unknown toxicity. |
| LD50 Oral | 5009 mg/kg; Acute toxicity estimate |

12. ECOLOGICAL INFORMATION

Ecotoxicity

The environmental impact of this product has not been fully investigated. Contains a substance which is harmful to the aquatic environment with long lasting effects at very low concentrations.

| | |
|--------------------------------------|---------------------------|
| Persistence and Degradability | No information available. |
| Bioaccumulation | No information available. |

Other Adverse Effects

No information available.

13. DISPOSAL CONSIDERATIONS

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|-------------------------------|--|
| Waste Disposal Methods | Dispose of in accordance with local regulations. |
| Contaminated Packaging | Do not re-use empty containers. |

14. TRANSPORT INFORMATION

| | |
|------------------------|----------------|
| <u>DOT</u> | Not regulated |
| <u>TDG</u> | Not regulated. |
| <u>MEX</u> | Not regulated |
| <u>IATA</u> | Not regulated. |
| <u>IMDG/IMO</u> | Not regulated. |

15. REGULATORY INFORMATION

International Regulations

| | |
|--------------------------------------|----------------|
| Ozone depleting substances | Not applicable |
| Persistent Organic Pollutants | Not applicable |

Hazardous Waste Not applicable
The Rotterdam Convention (Prior Informed Consent) Not applicable
International Convention for the Prevention of Pollution from Ships (MARPOL) Not applicable

U.S. Federal Regulations

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

U.S. State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

This product does not contain any substances above threshold limits that are regulated by state right-to-know.

16. OTHER INFORMATION

| | | | | |
|--------------------|------------------|----------------|-------------------|---------------------------------|
| <u>NFPA</u> | Health Hazard 2 | Flammability 0 | Instability 0 | Physical and Chemical Hazards - |
| <u>HMIS</u> | Health Hazard 2* | Flammability 0 | Physical Hazard 0 | Personal Protection X |

**Indicates a chronic health hazard.*

Prepared By Product Stewardship
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General 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 Safety Data Sheet

Ortho PRODUCT Category Transfusion Medicine
 Ortho SUB-CATEGORY Class Other