

ChemoGLO, LLC  
96 Mountain Laurel  
Chapel Hill, NC 27517  
(877) 215-2705  
www.chemoglo.com



## HDClean Towelette 1

### Safety Data Sheet

Issue Date 1/1/2020

#### SECTION 1: Identification

**Product identifier –** HDClean Towelettes

**Product Identification Numbers:** HDClean

**Recommended use and restrictions on use**

**Recommended use:** Hazardous drug contamination removal on hard surfaces

**Supplier:** ChemoGLO, LLC

**Address:** 96 Mountain Laurel, Chapel Hill, NC 27517

**Telephone:** 877-215-2705

**Emergency telephone number**

**(919) 428-6759**

#### SECTION 2: Hazard identification

**Hazard classification:**

GHS Classification: Classification of this product in accordance with paragraph (d) of 1910.1200.

Eye Damage/Irritation: Category 2B.

**Label elements**

**Signal word:** Warning

**Symbols:** None

**Hazard Statements:**

Can Cause eye irritation.

**Precautionary Statements:** Wear protective gloves and wash thoroughly after handling.

**Response:**

**IF ON SKIN:** Rinse skin with soap and water.

**IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing. If eye irritation persists: Get medical advice/attention. Call a POISON CENTER or doctor/physician if you feel unwell.

**Storage:** Store in a well-ventilated place.

**Disposal:** Dispose of contents in chemotherapy waste bin.

**Hazards not otherwise classified – None known**

#### SECTION 3: Composition/information on ingredients

**Chemical Characterization:** Mixture of water, detergents, and auxiliary agents.

**Hazardous Ingredients:** The exact percentage of composition has been withheld as a trade secret. No hazardous ingredients present above threshold of (1%) for reporting in this section.

**Other Ingredients (>1%):** >98% Water CAS 7732-18-5, EINECS/ELINCS 231-791-2

## SECTION 4: First aid measures

### Description of first aid measures

**Symptoms:** Irritation of affected areas. Can cause moderate eye irritation if improperly used. Have the product label with you when calling a poison control center or doctor, or going for treatment.

**Inhalation:** No cautions known.

**Skin Contact:** Wash contaminated area with soap and water. If skin irritation occurs, get medical attention/advice.

**Eye Contact:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye. If eye irritation persists, get medical attention/advice.

**Ingestion:** Not possible with this product as it is a moist wipe and not in a liquid state.

## SECTION 5: Fire-fighting measures

**Suitable extinguishing media:** N/A. Product is not a fire hazard.

**Unsuitable extinguishing media:** High pressure water jet

**Special hazards arising from the substance:** None known

**Special protective actions for fire-fighters:** Fire fighters should wear appropriate protective equipment, including self-contained breathing apparatus and impervious clothing.

## SECTION 6: Accidental release measures

**Personal precautions, protective equipment and emergency procedures:** None known for this product.

**Environmental precautions:** Dispose of used wipe in chemotherapy waste bin.

**Methods and material for containment and cleaning up:** N/A

## SECTION 7: Handling and storage

### Precautions for safe handling:

Read label before use. Avoid contact with eyes. Wear protective gloves and wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use product only according to label directions. If unsure about safe use, contact your supervisor.

**Conditions for safe storage including any incompatibilities:** Keep out of reach of children. No known incompatibilities.

## SECTION 8: Exposure controls/personal protection

### Control parameters

**Components with Occupational exposure limits:** None

**Engineering controls:** Proper ventilation in accordance with good industrial hygiene should be provided.

### Personal protective equipment (PPE)

**Eye/face protection:** Select and use eye/face protection to prevent contact based on the results of an exposure assessment. The following eye/face protection(s) are recommended: Indirect Vented Goggles

**Skin/hand protection:** Water impervious gloves (latex or neoprene rubber) recommended for continued use.

**Respiratory protection:** Respiratory protection is not necessary under normal conditions of use.

**Other:** Protective clothing (long sleeves, pants) eyewash, safety shower are always advisable when working with chemicals.

## SECTION 9: Physical and chemical properties

### Information on basic physical and chemical properties

**Specific Physical Form:** Moist wipe individually foil sealed.

**Odor, Color:** Lemon odor, no color.

**Odor threshold** *No Data Available*

**Boiling Point** 212 °C [*Details:* Based on liquid portion only.]

**Flash Point** None

**Evaporation rate** Similar to water % VOC - <1 (excluding exempt material)

**Flammability (solid, gas)** *Not Applicable*

**Flammable Limits(LEL)** *Not Applicable*

**Flammable Limits(UEL)** *Not Applicable*

**Vapor Pressure** *No data available*

**Vapor Density** *No data available*

**Relative Density** – 1.000

**pH (Neat)** – 10.0-11.2

**Solubility in Water** Complete

**Decomposition temperature** *No Data Available*

**Viscosity** Water thin

## SECTION 10: Stability and reactivity

**Reactivity:** No specific reactivity test data is available for this mixture. Under normal conditions of storage and use, hazardous reactions are not expected.

**Chemical stability:** Stable at ambient temperatures and pressures.

**Conditions to avoid:** Temperatures above 50 degrees C or below 10 degrees C.

**Incompatible materials:** Not determined

**Hazardous decomposition products:** None known.

## SECTION 11: Toxicological information

**Acute Toxicity:** Toxicity data is not available for this mixture. Data below are estimates based on summation methods.

Test Results: Classification (A.0.4.1C) Basis (A.1.3.6.1)

Oral >2000 mg/kg Not applicable Ingredient literature (Additive formula)

Dermal >2000 mg/kg Not applicable Ingredient literature (Additive formula)

Inhalation >20 mg/L Not applicable Ingredient literature (Additive formula)

Eye Damage/Irritation Irritation Category 2B Ingredient literature

Skin Damage/Irritation Not applicable Not applicable Ingredient literature

**Summary:** Skin and eye contact are most likely routes of exposure. Exposure can cause moderate eye irritation.

**Subchronic/Chronic Toxicity:**

Test Results Classification Basis

Skin Sensitization Not a sensitizer

**Summary:** Repeated or prolonged contact causes eye irritation.

**Carcinogens:** Ingredients are not listed on the NTP Report on Carcinogens, IARC Monographs or by OSHA

**Other Data:** No other toxicological information is available for this mixture

## SECTION 12: Ecological information

This material has not been tested for acute environmental effects.

Persistence and degradability: Material is not persistent. All organic components >1% are readily biodegradable.

Bio-accumulative potential: No evidence to suggest bio-accumulation will occur.

## SECTION 13: Disposal considerations

**Disposal methods:** Dispose of used wipe in chemotherapy waste bin.

## SECTION 14: Transport Information

**Proper Shipping Name:** Not regulated RQ – Not Applicable

**Shipping emergency phone:** 877-215-2705

**Transport Hazard Class:** Not Applicable

**Hazard Label:** Not Applicable

**Packing Group:** Not Applicable

**Emergency Guide No.:** Not Applicable

**Marine Pollutant:** No

## SECTION 15: Regulatory information

**Inventory Status:** All components are listed on TSCA (US), EINECS/ELINCS (EU), DSL (Canada), AICS (Australia), ENCS (Japan).

**OSHA Hazard Communication Standard:** This product does not meet the 1910.1200 definition of a "Hazardous Chemical".

**Superfund Amendments and Reauthorization Act of 1986 Title III (EPCRA) Section 313**

\*Chemicals marked with an asterisk in "3. Composition/Information on Ingredients" are subject to reporting requirements for Section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40CFR Part 372.

**Pennsylvania/New Jersey/Massachusetts Right to Know**

See "3. Composition/Information on Ingredients" for hazardous and top five ingredients over 1% (w/w).

**California Proposition 65:** This product does not contain a listed substance known to the State of California to cause cancer, birth defects, or other reproductive harm, at levels which would require a warning under the statute.

**This SDS has been prepared to meet the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200.**

## **SECTION 16: Other information**

**Issue Date:** 1/1/2020

DISCLAIMER: No representation or warranty, either expressed or implied, of merchantability, fitness for a particular purpose, or of any other nature, is made with respect to information concerning the product referred to in this document. The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, it is impossible to foresee every health effect or exposure risk incurred by the use of this product. All chemicals present some degree of hazard and should be used with caution. The information and recommendations contained herein are presented in good faith. The user should review this information in conjunction with their knowledge of the application intended to determine the suitability of this product for such purposes. In no event will the supplier be responsible for any damages of any nature whatsoever, resulting from the use, reliance upon, or the misuse of this information. Furthermore, it is the direct responsibility of the user to comply with all applicable regulations governing the use and disposal of this material. Prepared by: ChemoGLO, LLC

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## HDClean Towelette 2

### Safety Data Sheet

Issue Date 1/1/2020

#### SECTION 1: Identification

##### 1.1. Product identifier

Alcohol Wipes

**Product Identification Numbers: HDClean**

##### 1.2. Recommended use and restrictions on use

**Recommended use:** Hazardous drug contamination removal on hard surfaces

##### 1.3. Supplier's details

**Supplier:** ChemoGLO, LLC

**ADDRESS:** 96 Mountain Laurel, Chapel Hill, NC 27517

**Telephone:** 877-215-2705

##### 1.4. Emergency telephone number

**(919) 428-6759**

#### SECTION 2: Hazard identification

##### 2.1. Hazard classification

Flammable Liquid: Category 3

Eye Damage/Irritation: Category 2B

Acute Toxicity Oral: Category 5

Acute Toxicity Dermal: Category 5

Sensitization – Skin: Category 1B

##### 2.2. Label elements

###### Signal word

Warning

###### Symbols

Flame | Exclamation mark |

###### Pictograms

Alcohol Wipes 1/1/2020



###### Hazard Statements

Flammable liquid and vapor

Causes eye irritation

May be harmful if swallowed

May be harmful in contact with skin

May cause an allergic skin reaction

###### Precautionary Statements

###### Prevention:

Keep away from heat/sparks/open flames/hot surfaces. - No smoking while using this wipe.

Use only in a well-ventilated area. Wear protective gloves and wash thoroughly after handling.

**Response:**

**IF INHALED:** Remove person to fresh air and keep comfortable for breathing.

**IF ON SKIN:** Rinse skin with soap and water.

**IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. Call a POISON CENTER or doctor/physician if you feel unwell.

**In case of fire:** Use a fire fighting agent suitable for flammable liquids such as dry chemical or carbon dioxide to extinguish.

**Storage:** Store in a well-ventilated place. Keep cool

**Disposal:** Dispose of contents in chemotherapy waste bin.

**2.3. Hazards not otherwise classified – None known****SECTION 3: Composition/information on ingredients**

**Ingredient C.A.S. No. 2-propanol 67-63-0 50-100% Isopropyl alcohol by Weight**

**SECTION 4: First aid measures****4.1. Description of first aid measures**

**Inhalation:** Remove person to fresh air. If you feel unwell, get medical attention.

**Skin Contact:** Immediately flush skin with large amounts of cold water for at least 15 minutes. **DO NOT ATTEMPT TO REMOVE MOLTEN MATERIAL.** Cover affected area with a clean dressing. Get immediate medical attention.

**Eye Contact:** Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

**Ingestion:** Not possible with this product as it is a moist wipe and not in a liquid state.

**4.2. Most important symptoms and effects, both acute and delayed**

See Section 11.1. Information on toxicological effects.

**4.3. Indication of any immediate medical attention and special treatment required**

Not applicable.

**SECTION 5: Fire-fighting measures****5.1. Suitable extinguishing media**

In case of fire: Use a fire fighting agent suitable for flammable liquids such as dry chemical or carbon dioxide to extinguish.

**5.2. Special hazards arising from the substance: None known**

**5.3. Special protective actions for fire-fighters:** Fire fighters should wear appropriate protective equipment, including self-contained breathing apparatus and impervious clothing.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Refer to other sections of this SDS for information regarding physical and health hazards

**6.2. Environmental precautions**

Dispose of used wipe in chemotherapy waste bin.

**6.3. Methods and material for containment and cleaning up: N/A****SECTION 7: Handling and storage****7.1. Precautions for safe handling**

Avoid skin contact with hot material. Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Do not get in eyes. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Avoid contact with oxidizing agents (e.g. chlorine, chromic acid etc.)

**7.2. Conditions for safe storage including any incompatibilities**

Keep cool. Store away from acids. Store away from oxidizing agents.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limits

##### Ingredient C.A.S. No. Agency Limit type Additional Comments

ISOPROPYL ALCOHOL 67-63-0 ACGIH TWA:200 ppm;STEL:400 ppm A4: Not class. as human carcinogen

ISOPROPYL ALCOHOL 67-63-0 OSHA TWA:980 mg/m<sup>3</sup>(400 ppm)

ACGIH : American Conference of Governmental Industrial Hygienists

AIHA : American Industrial Hygiene Association

CMRG : Chemical Manufacturer's Recommended Guidelines

OSHA : United States Department of Labor - Occupational Safety and Health Administration

TWA: Time-Weighted-Average

STEL: Short Term Exposure Limit

CEIL: Ceiling

### 8.2. Exposure controls

#### 8.2.1. Engineering controls

Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below relevant Exposure Limits and/or control dust/fume/gas/mist/vapors/spray. If ventilation is not adequate, use respiratory protection equipment. Use explosion-proof ventilation equipment.

#### 8.2.2. Personal protective equipment (PPE)

**Eye/face protection:** Select and use eye/face protection to prevent contact based on the results of an exposure assessment. The following eye/face protection(s) are recommended: Indirect Vented Goggles

**Skin/hand protection:** Select and use gloves and/or protective clothing approved to relevant local standards to prevent skin contact based on the results of an exposure assessment. Selection should be based on use factors such as exposure levels, concentration of the substance or mixture, frequency and duration, physical challenges such as temperature extremes, and other use conditions. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible gloves/protective clothing. Gloves made from the following material(s) are recommended: Nitrile Rubber

**Respiratory protection – N/A**

**Thermal hazards – N/A**

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

**Specific Physical Form:** Moist wipe individually sealed

**Odor, Color, Grade:** Alcohol Odor

**Odor threshold** *No Data Available*

**Melting point** -88C

**Boiling Point** 82 °C [*Details:* Based on liquid portion only.]

**Flash Point** 21.1 °C

**Evaporation rate** 7

**Flammability (solid, gas)** Not Applicable

**Flammable Limits(LEL)** 2

**Flammable Limits(UEL)** 12

**Vapor Pressure** 33 mmHg [*Details:* At 20 deg. C]

**Vapor Density** 2.07 [*Details:* Air = 1]

**Density** *Not Applicable*

**Specific Gravity** 0.79 g/ml [*Ref Std:* WATER=1] [*Details:* Based on liquid portion of wipe.]

**Solubility in Water** Negligible [*Details:* Miscible]

**Solubility- non-water** *No Data Available*

**Partition coefficient: n-octanol/ water** *No Data Available*

**Autoignition temperature** *Not Applicable*

**Decomposition temperature** *No Data Available*

**Viscosity** *No Data Available*

**Average particle size** *No Data Available*

**Bulk density** *No Data Available*

**Hazardous Air Pollutants** *No Data Available*

**Molecular weight** *No Data Available*

**Volatile Organic Compounds** *No Data Available*

**Percent volatile** *No Data Available*

**Softening point** *No Data Available*

**VOC Less H<sub>2</sub>O & Exempt Solvents** *No Data Available*

## **SECTION 10: Stability and reactivity**

**10.1. Reactivity:** This material is considered to be non-reactive under normal use conditions.

**10.2. Chemical stability:** Stable.

**10.3. Possibility of hazardous reactions:** Not determined

**10.4. Conditions to avoid:** None known

**10.5. Incompatible materials:** Not determined

**10.6. Hazardous decomposition products:** None known

## **SECTION 11: Toxicological information**

**11.1. Acute Toxicity**

**Inhalation:** Not applicable

**Skin Contact:** May cause mild irritation to people with sensitive skin. Signs/symptoms may include localized redness, itching, drying and cracking of skin.

**Eye Contact:** Contact may cause temporary moderate irritation.

**Ingestion:** May be harmful if swallowed

## **SECTION 12: Ecological information**

This product has not been tested for acute environmental effects. Dispose of used towelettes in chemotherapy waste bin.

## **SECTION 13: Disposal considerations**

**13.1. Disposal methods:** Dispose of used towelettes in chemotherapy waste bin.

## **SECTION 14: Transport Information**

**14.1** Not regulated UN 3175 49 CFR 172.102, Provision Code 47

## **SECTION 15: Regulatory information**

**15.1. US Federal Regulations – Contact ChemoGLO, LLC**

**15.2. State Regulations – Contact ChemoGLO, LLC**

**15.3. Chemical Inventories**

The components of this product are in compliance with the chemical notification requirements of TSCA.

**15.4. International Regulations – Contact ChemoGLO, LLC**

**This SDS has been prepared to meet the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200.**

## **SECTION 16: Other information**

**Issue Date:** 1/1/2020

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