

**Safety Data Sheet**  
according to HPR, Schedule 1

Printing date 05/03/2024

Version 1

Reviewed on 05/03/2024

**1 Identification****Product identifier****Trade name:** Aquahol**Product code(s):** IC-220**Details of the supplier of the safety data sheet****Manufacturer/Supplier:**

Micronova Manufacturing  
3431 West Lomita Boulevard  
Torrance, CA, 90505, USA  
Tel: +1 (310)784-6990  
Fax: +1 (310)784-6980  
Email: dleonard@micronova-mfg.com  
www.micronova-mfg.com

**Emergency telephone number:** CHEMTREC Canada: +1 703-741-5970**2 Hazard identification****Classification of the substance or mixture**

Flammable Liquids - Category 2	H225 Highly flammable liquid and vapour.
Eye Irritation - Category 2A	H319 Causes serious eye irritation.
Specific Target Organ Toxicity - Single Exposure - Category 3	H336 May cause drowsiness or dizziness.

**Label elements****GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

**Hazard pictograms**

GHS02 GHS07

**Signal word** Danger**Hazard-determining components of labeling:**

Propan-2-ol

**Hazard statements**

Highly flammable liquid and vapour.  
Causes serious eye irritation.  
May cause drowsiness or dizziness.

**Precautionary statements:**

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
Avoid breathing dust/fume/gas/mist/vapours/spray.  
Wash thoroughly after handling.  
Use only outdoors or in a well-ventilated area.  
Wear protective gloves/protective clothing/eye protection/face protection.  
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].  
IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
Call a poison center/doctor if you feel unwell.  
If eye irritation persists: Get medical advice/attention.  
Store locked up.  
Dispose of contents/container in accordance with local/regional/national/international regulations.

# Safety Data Sheet

according to HPR, Schedule 1

Printing date 05/03/2024

Version 1

Reviewed on 05/03/2024

**Trade name:** Aquahol

**Classification system:  
NFPA ratings (scale 0 - 4)**

**HMIS-ratings (scale 0 - 4)**

HEALTH	2	Health = 2
FIRE	3	Fire = 3
REACTIVITY	0	Reactivity = 0

### 3 Composition/Information on ingredients

**Description:** Mixture: consisting of the following components.

**Hazardous Components:**

67-63-0	Propan-2-ol Flammable Liquids - Category 2, H225; Eye Irritation - Category 2A, H319; Specific Target Organ Toxicity - Single Exposure - Category 3, H336	≥45-≤80% w/w *
---------	---	----------------

\* Actual concentration ranges are withheld as a trade secret.

**Information on components:**

67-63-0	Propan-2-ol Flammable Liquids - Category 2, H225; Eye Irritation - Category 2A, H319; Specific Target Organ Toxicity - Single Exposure - Category 3, H336	≥45-≤80% w/w
---------	---	--------------

### 4 First-aid measures

**Description of first aid measures**
**After inhalation:** Move patient to fresh air, if symptom arise consult a doctor.

**After skin contact:** Generally the product does not irritate the skin.

**After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

**After swallowing:**
**Most important symptoms and effects, both acute and delayed**

No further relevant information available.

**Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

### 5 Fire-fighting measures

**Extinguishing media**
**Suitable extinguishing agents:** Carbon dioxide (CO<sub>2</sub>). Dry chemical. Foam.

**Special hazards arising from the substance or mixture** No further relevant information available.

**Advice for firefighters**
**Protective equipment:** No special measures required.

### 6 Accidental release measures

**Personal precautions, protective equipment and emergency procedures** Not required.

**Environmental precautions:** Dilute with plenty of water.

**Methods and material for containment and cleaning up:**

Ensure adequate ventilation.

## Safety Data Sheet

according to HPR, Schedule 1

Printing date 05/03/2024

Version 1

Reviewed on 05/03/2024

**Trade name:** Aquahol

Dispose contaminated material as waste according to section 13.

**Reference to other sections**

See Section 7 for information on safe handling.  
 See Section 8 for information on personal protection equipment.  
 See Section 13 for disposal information.

**7 Handling and storage**

**Precautions for safe handling**

Ensure good ventilation/exhaustion at the workplace.  
 Prevent formation of aerosols.

**Information about protection against explosions and fires:** No special measures required.

**Conditions for safe storage, including any incompatibilities**

**Requirements to be met by storerooms and receptacles:** No special requirements.

**Information about storage in one common storage facility:** Not required.

**Further information about storage conditions:** Keep receptacle tightly sealed.

**Specific end use(s)** No further relevant information available.

**8 Exposure controls/ Personal protection**

**Control parameters** No further information available

**Components with limit values that require monitoring at the workplace:**

**67-63-0 Propan-2-ol**

EL (Canada)	STEL: 400 ppm TWA: 200 ppm
EV (Canada)	STEL: 400 ppm TWA: 200 ppm
PEL (USA)	TWA: 980 mg/m <sup>3</sup> , 400 ppm
REL (USA)	STEL: 1225 mg/m <sup>3</sup> , 500 ppm TWA: 980 mg/m <sup>3</sup> , 400 ppm
TLV (USA)	STEL: 400 ppm TWA: 200 ppm BEI, A4

**Ingredients with biological limit values:**

**67-63-0 Propan-2-ol**

BEI (USA)	40 mg/L Medium: urine Time: end of shift at end of workweek Parameter: Acetone (background, nonspecific)
-----------	---

**Additional information:** The lists that were valid during the creation were used as basis.

**Exposure controls**

**Personal protective equipment**

**General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.  
 Immediately remove all soiled and contaminated clothing.  
 Avoid contact with the eyes.  
 Avoid contact with the eyes and skin.

**Breathing equipment:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

**Safety Data Sheet**  
according to HPR, Schedule 1

Printing date 05/03/2024

Version 1

Reviewed on 05/03/2024

**Trade name:** Aquahol**Protection of hands:**

Protective gloves

The glove material must be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

**Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

**Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**Eye protection:**

Tightly sealed goggles

Goggles recommended during refilling.

**Body protection:** Protective work clothing**9 Physical and chemical properties****Information on basic physical and chemical properties****General Information****Appearance:**

**Form:** Liquid.  
**Color:** Colorless.

**Odor:** Alcohol-like  
**Odor threshold:** Not determined.

**pH-value:** 7

**Melting point/Melting range:** -90 °C

**Boiling point/Boiling range:** Not determined.

**Flash point:** 18 °C

**Flammability (solid, gaseous):** Not determined.

**Auto-ignition temperature:** Not determined.

**Decomposition temperature:** Not determined.

**Danger of explosion:** Product does not present an explosion hazard.

**Flammability Limits:**

**Lower:** Not Determined.  
**Upper:** Not Determined.

**Explosion limits:**

**Lower:** Not determined.  
**Upper:** Not determined.

**Oxidizing properties** Not determined.

**Safety Data Sheet**  
according to HPR, Schedule 1

Printing date 05/03/2024

Version 1

Reviewed on 05/03/2024

**Trade name:** Aquahol

<b>Vapor pressure at 20 °C:</b>	41 hPa
<b>Vapor pressure:</b>	
<b>Density at 20 °C:</b>	0.875 g/cm <sup>3</sup>
<b>Relative density</b>	Not determined.
<b>Vapor density</b>	Not determined.
<b>Evaporation rate</b>	Not determined.
<b>Solubility in / Miscibility with Water:</b>	Fully miscible.
<b>Partition coefficient (n-octanol/water):</b>	Not determined.
<b>Viscosity:</b>	
<b>Dynamic:</b>	Not determined.
<b>Kinematic:</b>	Not determined.
<b>Other information</b>	No further relevant information available.

**10 Stability and reactivity**

**Reactivity** No further relevant information available.

**Chemical stability**

**Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.

**Possibility of hazardous reactions** No dangerous reactions known.

**Conditions to avoid** No further relevant information available.

**Incompatible materials:** No further relevant information available.

**Hazardous decomposition products:** No further relevant information available.

**11 Toxicological information**

**Information on toxicological effects**

**Acute toxicity:**

<b>LD/LC50 values that are relevant for classification:</b>		
<b>67-63-0 Propan-2-ol</b>		
Oral	LD50	5,840 mg/kg (Rat)
Dermal	LD50	12,800 mg/kg (rabbit)
Inhalative	LC50/4h	30 mg/L (Rat)

**Primary irritant effect:**  
**on the eye:** Irritating effect.

**Additional toxicological information:**  
The product shows the following dangers according to internally approved calculation methods for preparations:  
Irritant

**Carcinogenic categories**

<b>IARC (International Agency for Research on Cancer)</b>
All components have the value 3.

<b>NTP (National Toxicology Program)</b>
None of the ingredients are listed.

**Safety Data Sheet**  
according to HPR, Schedule 1

Printing date 05/03/2024

Version 1

Reviewed on 05/03/2024

**Trade name:** Aquahol

**12 Ecological information**

**Toxicity**

**Aquatic toxicity:**

**67-63-0 Propan-2-ol**

LC50/96h	9,640 mg/L (Fish)
NOEC	1,050 mg/L (Microorganisms)
LC50/24h	>10,000 mg/L (Daphnia)

**Persistence and degradability** No further relevant information available.

**Bioaccumulative potential** No further relevant information available.

**Mobility in soil** No further relevant information available.

**Additional ecological information**

**General notes:**

Water hazard class 1 (Self-assessment): slightly hazardous for water  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

**Results of PBT and vPvB assessment**

**PBT:** Not applicable.

**vPvB:** Not applicable.

**Other adverse effects** No further relevant information available.

**13 Disposal considerations**

**Waste treatment methods**

**Recommendation:** Do not allow product to reach sewage system.

**Uncleaned packagings:**

**Recommendation:**

Disposal must be made according to official regulations.  
Packagings that cannot be cleansed are to be disposed of in the same manner as the product.

**Recommended cleansing agent:** Water, if necessary with cleansing agents.

**14 Transport information**

**UN-Number**

DOT/TDG, ADR, IMDG, IATA UN1219

**UN proper shipping name**

DOT/TDG Isopropanol solution  
ADR 1219 Isopropanol solution  
IMDG, IATA ISOPROPANOL (ISOPROPYL ALCOHOL) solution

**Transport hazard class(es)**

DOT/TDG (Transport dangerous goods):



**Class**  
**Label**

3 Flammable liquids  
3

**Safety Data Sheet**  
according to HPR, Schedule 1

Printing date 05/03/2024

Version 1

Reviewed on 05/03/2024

**Trade name:** Aquahol

**ADR, IMDG, IATA**



**Class** 3 Flammable liquids  
**Label** 3

**Packing group**  
**DOT/TDG, ADR, IMDG, IATA** II

**Environmental hazards:** Not applicable.

**Special precautions for user** Warning: Flammable liquids

**Hazard identification number (Kemler code):** 33

**EMS Number:** F-E,S-D

**Stowage Category** B

**Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.

**Transport/Additional information:**

**ADR**

**Excepted quantities (EQ)** Code: E2  
Maximum net quantity per inner packaging: 30 ml  
Maximum net quantity per outer packaging: 500 ml

**IMDG**

**Limited quantities (LQ)** 1L  
**Excepted quantities (EQ)** Code: E2  
Maximum net quantity per inner packaging: 30 ml  
Maximum net quantity per outer packaging: 500 ml

**15 Regulatory information**

**Safety, health and environmental regulations/legislation specific for the substance or mixture**

No further relevant information available.

**Sara**

**Section 355 (extremely hazardous substances):**

None of the ingredients are listed.

**Section 313 (Specific toxic chemical listings):**

All ingredients are listed.

**USA - TSCA (Toxic Substances Control Act):**

All components have the value ACTIVE.

**Canadian Domestic Substances List (DSL)**

All ingredients are listed.

**Canadian Non-Domestic Substances List (NDSL)**

None of the ingredients are listed.

**Canadian Ingredient Disclosure list (limit 0.1%)**

None of the ingredients are listed.

**Canadian Ingredient Disclosure list (limit 1%)**

All ingredients are listed.

**GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

**Safety Data Sheet**  
according to HPR, Schedule 1

Printing date 05/03/2024

Version 1

Reviewed on 05/03/2024

**Trade name:** Aquahol**Hazard pictograms**

GHS02 GHS07

**Signal word** Danger**Hazard-determining components of labeling:**

Propan-2-ol

**Hazard statements**

Highly flammable liquid and vapour.

Causes serious eye irritation.

May cause drowsiness or dizziness.

**Precautionary statements**

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Avoid breathing dust/fume/gas/mist/vapours/spray.

Wash thoroughly after handling.

Use only outdoors or in a well-ventilated area.

Wear protective gloves/protective clothing/eye protection/face protection.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

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

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

Call a poison center/doctor if you feel unwell.

If eye irritation persists: Get medical advice/attention.

Store locked up.

Dispose of contents/container in accordance with local/regional/national/international regulations.

**16 Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**Contact:****Date of the latest revision of the safety data sheet** 05/03/2024**Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent