

Safety Data Sheet
according to WHS Regulations

Printing date 22.02.2024

Version number 1

Revision: 22.02.2024

1 Identification**Product identifier****Trade name:** NovaHol**Product Code(s):** NH1-G, NH1-Q**Relevant identified uses of the substance or mixture and uses advised against****Sector of Use:** Product supplied for professional use only**Technical function** Filtered Detergent with Isopropanol for drying action**Application of the substance / the preparation:** Cleanroom Surface Cleaner**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(s):

CHEMTREC Australia
+61 2 9037 2994
1800 862 115. This phone number is often accessible, but not guaranteed outside of Australia.

2 Hazard(s) Identification**Classification of the substance or mixture**

Flam. Liq. 3 H226 Flammable liquid and vapour.
Serious eye damage/irritation – Category 2A H319 Causes serious eye irritation.
STOT SE 3 H336 May cause drowsiness or dizziness.

Label elements**GHS label elements**

The product is classified and labelled according to the Globally Harmonised System (GHS).

Hazard pictograms:

GHS02 GHS07

Signal word: Warning**Hazard-determining components of labelling:**

Propan-2-ol (≥20-≤25 %)

Hazard statements:

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

Precautionary statements:

Keep away from heat/sparks/open flames/hot surfaces. 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): Remove/Take off immediately all contaminated clothing. Rinse skin with water/
shower.

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IF INHALED: Remove victim to fresh air and keep at rest in a position 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.

Other hazards
PBT: Not applicable.

vPvB: Not applicable.

3 Composition and Information on Ingredients

Description: Mixture consisting of the following components.

Hazardous components:

67-63-0	Propan-2-ol Flam. Liq. 2, H225; Serious eye damage/irritation – Category 2A, H319; STOT SE 3, H336	≥20-≤25%
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Additional information: For the wording of the listed hazard phrases refer to section 16.

4 First Aid Measures

After inhalation: Move patient to fresh air, if symptoms persist 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

Suitable extinguishing agents: Carbon dioxide (CO₂). Dry chemical. Foam.

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

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.

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.

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Information about fire - and explosion protection: 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 container tightly closed.

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

8 Exposure controls and personal protection

Control parameters No further information available

Ingredients with limit values that require monitoring at the workplace:

67-63-0 Propan-2-ol

WES	Short-term value: 1230 mg/m ³ , 500 ppm Long-term value: 983 mg/m ³ , 400 ppm
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Additional information: The lists valid during the making were used as basis.

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.

Respiratory protection:

In case of brief exposure use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Protection of hands:



Protective gloves.

The glove material has to 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.

Select the glove material based on a 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 must be determined by the manufacturer of the protective gloves.

Eye protection:



Safety goggles (EN 166).

Goggles recommended during refilling

Body protection: Protective work clothing.

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9 Physical and Chemical Properties

General Information

Appearance:
Form: Liquid.**Colour:** Clear.**Odour:** Alcohol-like.**Odour threshold:** Not determined.**pH-value at 20 °C:** 7**Melting point/freezing point:** Not determined.**Initial boiling point and boiling range:** Not determined.**Flash point:** 25.6 °C**Flammability (solid, gas):** Not determined.**Auto-ignition temperature:** Not determined.**Decomposition temperature:** Not determined.**Explosive properties:** Product is not explosive. However, formation of explosive air/vapour mixtures is possible.
Explosion limits:
Lower: Not determined.**Upper:** Not determined.**Oxidising properties:** Not determined.**Vapour pressure:** Not determined.**Density:** Not determined.**Relative density:** 0.8**Vapour density:** Not determined.**Evaporation rate at 20 °C:** >1
Solubility in / Miscibility with
Water: Fully miscible.**Partition coefficient: n-octanol/water:** Not determined.
Viscosity:
Dynamic: Not determined.
Other information

No further relevant information available.

10 Stability and Reactivity

Reactivity No further relevant information available.
Thermal decomposition / conditions to be avoided:

No decomposition if used and stored 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 Based on available data, the classification criteria are not met.
LD/LC50 values:
67-63-0 Propan-2-ol

Oral	LD50	5,840 mg/kg (Rat)
Dermal	LD50	12,800 mg/kg (rabbit)
Inhalative	LC50/4h	30 mg/L (Rat)

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

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Serious eye damage/irritation: Causes serious eye irritation.

Respiratory or skin sensitisation: Based on available data, the classification criteria are not met.

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Reproductive toxicity: Based on available data, the classification criteria are not met.

STOT-single exposure: May cause drowsiness or dizziness.

STOT-repeated exposure: Based on available data, the classification criteria are not met.

Aspiration hazard: Based on available data, the classification criteria are not met.

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 environmental information:

General notes:

Water hazard class 1 (German Regulation) (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 packaging:

Recommendation:

Disposal must be made in accordance with official regulations.

Packaging that may not be cleansed must be disposed of in the same manner as the product.

Recommended cleansing agents: Water, if necessary together with cleansing agents.

14 Transport information

UN Number

ADG, IMDG, IATA Not applicable.

UN proper shipping name

ADG, IMDG, IATA Not applicable.

Transport hazard class(es)

ADG, ADN, IMDG, IATA
Class Not applicable.

Packing group

ADG, IMDG, IATA Not applicable.

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Environmental hazards	Not applicable.
Special precautions for user	Not applicable.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.

15 Regulatory information

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

Quantities:

Australian Inventory of Chemical Substances (AICS)	
67-63-0	Propan-2-ol
68937-66-6	Alcohols, C6-12, ethoxylatedPropoxylated
Standard for the Uniform Scheduling of Medicines and Poisons	
None of the ingredients are listed.	
Australia: Priority Existing Chemicals	
None of the ingredients are listed.	

GHS label elements

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Hazard pictograms:



GHS02 GHS07

Signal word: Warning

Hazard-determining components of labelling:

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 If eye irritation persists: Get medical advice/attention.
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Chemical safety assessment

Named dangerous substances - ANNEX I None of the ingredients are listed.

Chemical safety assessment A Chemical Safety Assessment has not been carried out.

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Trade name: NovaHol**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.

Relevant phrases

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

Contact:**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

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)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Flam. Liq. 2: Flammable liquids – Category 2

Flam. Liq. 3: Flammable liquids – Category 3

Serious eye damage/irritation – Category 2A: Serious eye damage/eye irritation – Category 2A

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3