Safety Data Sheet

# Ethasan 75 Wipes

## 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND SUPPLIER

**Product name:** **Ethasan 75 Wipes.**

**Recommended use:** Evaporating sanitiser.

**Supplier:** Hygiene Technologies Limited.

**Street Address:** 28 Rangitane Road, Whakatu , Hastings 4180, New Zealand.

**Telephone:** 0800 732 525 or +64 (06) 876 4111.

**Emergency Telephone:** **NZ Fire Service – 111.**
**National Poisons Centre – 0800 764 766 (0800 POISON).**

## 2. HAZARDS IDENTIFICATION

This product is classified as a Dangerous Good according to NZS 5433:2020.
Transport of Dangerous Goods on Land.

**Hazardous Substances:** Classified as hazardous according to criteria in GHS 7. (Note: Classification applies to the liquid applied to non-woven combustible material).

**GHS:** Eye Irritation – Category 2A.
Flamable Liquid. – Category 2.



**SIGNAL WORD** **DANGER.**

**Pictograms** Exclamation Mark.
Flammable.

**Group Standard 2020** HSR002530.

**Hazard Statements**

| | |
|---|---|
| **H319** | Causes serious eye irritation. |
| **H225** | Highly flammable liquid and vapour. |

**Precautionary Statements**

**Prevention**

| | |
|---|---|
| **P102** | Keep out of reach of children. |
| **P103** | Read label before use. |
| **P210** | Keep away from heat/sparks/open flames/hot surfaces. No smoking. |
| **P233** | Keep container tightly closed. |
| **P240** | Ground/bond container and receiving equipment. |
| **P241** | Use explosion-proof electrical, ventilating, lighting and all other equipment. |
| **P242** | Use only non-sparking tools. |
| **P243** | Take precautionary measures against static discharge. |
| **P264** | Wash hands, face and all exposed skin thoroughly after handling. |
| **P280** | Wear eye/face protection. |

**Response**

**P101** If medical advice is needed, have product container or label at hand.
**P305+P351+P338** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
**P337+P313** If eye irritation persists: Get medical advice.
**P303+P361+P353** IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water/shower.
**P370+P378 In case of fire:** Use water fog, fine water spray, alcohol resistant foam, carbon dioxide or dry chemical powder.

**Storage**

**P403+P235** Store in a well-ventilated place. Keep cool.

**Disposal**

**P501** Dispose of contents and container in accordance with local, regional, national and international regulations.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Ingredient | CAS NO | PROPORTION |
|---|---|---|
| Ethanol | 64-17-5 | 60 - 90 % v/v |
| t-Butyl Alcohol | 75-65-0 | <1% |
| Ingredients determined to be Non-Hazardous | - | Balance |

## 4. FIRST AID MEASURES

For advice, contact National Poisons Information Centre (Phone 0800 764 766) or a doctor If medical advice is needed, have product container or label at hand.

**Swallowed:** Not required under normal use.

**Eye Contact** If in eyes, hold eyelids apart and flush the eyes continuously with running water. If irritation persists seek medical advice.

**Skin Contact:** Not required under normal use. If swelling, redness, blistering, or irritation occurs seek medical assistance.

**Inhaled:** Not required under normal use.

**PPE for First Aiders:** Wear gloves and safety glasses. Available information suggests that gloves made from nitrile rubber should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Wash contaminated clothing and other protective equipment before storing or re- using.

**Notes to physician:** Treat symptomatically.

Refer to National Poisons and Hazardous Chemicals Information Centre 0800 764 766.

## 5. FIRE-FIGHTING MEASURES

**Specific Hazard:** Flammable liquid applied to non-woven combustible material. Avoid all ignition sources. All potential sources of ignition (open flames, pilot lights, furnaces, spark producing switches and electrical equipment etc) must be eliminated both in and near the work area. Do NOT smoke.

**Suitable Extinguishing Media:** If material is involved in a fire, use water fog (or if unavailable fine water spray), alcohol resistant foam, standard foam or dry agent (carbon dioxide or dry chemical powder).

**Fire Fighting Further Advice**: Heating can cause expansion or decomposition leading to violent rupture of containers. If safe to do so, remove containers from path of fire. Keep containers cool with water spray. On burning or decomposing may emit toxic fumes. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion or decomposition.

**Hazchem code** •2YE.

## 6. ACCIDENTAL RELEASE MEASURES

**Small Spills:** Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of vapours. Collect and seal in properly labelled containers or drums for disposal.

**Large Spills:** If safe to do so, shut off all possible sources of ignition. Clear area of all unprotected personnel. Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination and the inhalation of vapours. Work up wind or increase ventilation. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Use a spark-free shovel. Collect and seal in properly labelled containers or drums for disposal. If contamination of crops, sewers or waterways has occurred advise local emergency services.

## 7. HANDLING AND STORAGE

**Handling advice:** Avoid eye contact and repeated or prolonged skin contact.

**Storage advice:** Store in a cool, dry, well-ventilated place and out of direct sunlight. Store away from foodstuffs. Store away from incompatible materials described in Section 10. Store away from sources of heat and/or ignition. Keep container standing upright. Keep containers closed when not in use - check regularly for leaks.

This material is classified as a Class 3 Solids Containing Flammable Liquid as per the criteria of the "New Zealand NZS5433: Transport of Dangerous Goods on Land" and must be stored in accordance with the relevant regulations.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Workplace Exposure Guidelines**

**National occupational exposure limits:**

| | TWA | | STEL | | NOTICES |
|---|---|---|---|---|---|
| | ppm | mg/m3 | ppm | mg/m3 | |
| Ethanol (Ethyl alcohol) | 1,000 | 1,880 | | | |
| t-Butyl Alcohol | 100 | 303 | 150 | 445 | |

As published by WorkSafe New Zealand.

**WES-TWA:** (Workplace Exposure Standard - Time-weighted average). The average airborne concentration of a substance calculated over an eight-hour working day.

**WES-Ceiling:** (Workplace Exposure Standard - Ceiling). A concentration that should not be exceeded at any time during any part of the working day.

**WES-STEL:** (Workplace Exposure Standard - Short-term exposure limit). The 15-minute time weighted average exposure standard. Applies to any 15-minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STE is not an alternative to the WES-TWA; both the short-term and time- weighted average exposures apply. Exposures at concentrations between the WES-TWA and the WES-STEL should be less than 15 minutes, should occur no more than four times per day, and there should be at least 60 minutes between successive exposures in this range.

These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept too as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity. If the directions for use on the product label are followed, exposure of individuals using the product should not exceed the above standard. The standard was created for workers who are routinely, potentially exposed during product manufacture.

**Engineering Controls**: Ensure ventilation is adequate to maintain air concentrations below Exposure Standards. Use only in well-ventilated areas. Use with local exhaust ventilation or while wearing appropriate respirator. Vapour heavier than air - prevent concentration in hollows or sumps. Do NOT enter confined spaces where vapour may have collected.

**Personal Protective Equipment:** Personal protective equipment (PPE) must be suitable for the nature of the work and any hazard associated with the work as identified by the risk assessment conducted. When handling individual packs no personal protection equipment is required. Consider wearing gloves and safety glasses if handling large quantities or very frequent use. Available information suggests that gloves made from nitrile rubber should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. When handling do not eat, drink or smoke.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Note: The following properties apply to the liquid component of this product.

| | |
|---|---|
| **Appearance** | Liquid |
| **Odour** | Alcoholic |
| **Colour** | Clear, Colourless |
| **Solubility** | Soluble in water |
| **Specific Gravity (20ºC)** | 0.85 - 0.90 |
| **Relative Vapour Density (air=1)** | >1 |
| **Flash Point (°C)** | 13°C (calc) |
| **pH** | 7 – 8 |
| **Freezing Point** | N Av |
| **Boiling Point** | approx. 90ºC |
| **Vapour Pressure** | 5.95 kPa (Ethanol) |
| **Viscosity** | Water thin |

## 10. STABILITY AND REACTIVITY

**Stability:** This material is thermally stable when stored and used as directed.

**Conditions to avoid:** Elevated temperatures and sources of ignition.

**Incompatible materials:** Strong **o**xidising agents.

**Reactivity:** No known hazardous reactions.

**Hazardous Decomposition Products:** Oxides of carbon and nitrogen, smoke and other toxic fumes.

## 11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

**Swallowed:** No information available for the product.

**Eye Contact:** May be an eye irritant.

**Skin Contact:** Prolonged and repeated contact with skin may result in irritation.

**Inhaled:** No information available for the product.

**Long Term Effects:** No information available for the product.

**Acute Toxicity:**

**Inhalation:** This material has been classified as non-hazardous.

**Skin contact**: This material has been classified as non-hazardous.

**Ingestion:** This material has been classified as non-hazardous.

**Corrosion/Irritancy: Eye:** this material has been classified as irritating to the eye. Skin: this material has been classified as not corrosive or irritating to skin.

**Sensitisation:** Inhalation**:** this material has been classified as not a respiratory sensitiser. **Skin:** this material has been classified as not a skin sensitiser.

**Aspiration hazard:** This material has been classified as non-hazardous.

**Specific target organ toxicity (single exposure):** This material has been classified as non-hazardous.

**Chronic Toxicity:**

**Mutagenicity:** This material has been classified as non-hazardous.

**Carcinogenicity:** This material has been classified as non-hazardous.

**Reproductive toxicity (including via lactation):** This material has been classified as non-hazardous.

**Specific target organ toxity (repeat exposure):** This material has been classified as non-hazardous.

## 12. ETOXICOLOGICAL INFORMATION

**Aquatic Toxicity:** This material has been classified as non-hazardous.

**Chronic Toxicity:** This material has been classified as non-hazardous.

**Ecotoxicity:** This material has been classified as non-hazardous.

**Persistence / Degradability**: No information available.

**Bioaccumulation Potential:** No information available.

**Mobility:** No information available.

## 13. DISPOSAL

Persons conducting disposal, recycling or reclamation activities should ensure that appropriate personal protection equipment is used, see "Section 8. Exposure Controls and Personal Protection" of this SDS.

If possible material and its container should be recycled. If material or container cannot be recycled, dispose in accordance with local, regional, national and international Regulations.

## 14. TRANSPORT INFORMATION

**Note: Classification applies to the liquid applied to non-woven combustible material.**

**Transport of Dangerous Goods Pictograms:**
Classified as Dangerous Goods by the criteria of the "New Zealand NZS5433: Transport of Dangerous Goods on Land".

**Road and Rail Transport**




| | |
|---|---|
| **UN No:** | 1170 |
| **Dangerous Goods Class:** | 3 |
| **Packing Group:** | II |
| **Hazchem Code:** | •2YE |
| **Emergency Response Guide No:** | 127 |

**Proper Shipping Name:** ETHANOL SOLUTION

**Segregation Dangerous Goods:** Not to be loaded with explosives (Class 1), flammable gases (Class 2.1), if both are in bulk, toxic gases (Class 2.3), spontaneously combustible substances (Class 4.2), oxidising agents (Class 5.1), organic peroxides (Class 5.2), toxic substances (Class 6.1), infectious substances (Class 6.2) or radioactive substances (Class 7). Exemptions may apply.

**Marine Transport**

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

**UN No:** 1170
**Dangerous Goods Class:** 3
**Packing Group:** II




**Proper Shipping Name:** ETHANOL SOLUTION
**EmS Code:** F-A, S-I

**Air Transport**

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

**UN No:** 1170
**Dangerous Goods Class:** 3
**Packing Group:** II




**Proper Shipping Name:** ETHANOL SOLUTION

## 15. REGULATORY INFORMATION

All components of this product are listed on or exempt from the New Zealand Inventory of Chemical (NZIoC).

**Group Standard 2020:** HSR002528 – Cleaning Products (Flammable) Group Standard.

For more information refer to the ERMA website: www.epa.govt.nz.

## 16. OTHER INFORMATION

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