## 1. Identification of Substance & Company

### Product

| | |
|---|---|
| **Product name** | **Geller** Ultimo #6 |
| **Product code** | NA |
| **ACVM** | |
| **HSNO approval** | HSR002528 |
| **Approval description** | Cleaning Products (Flammable) Group Standard 2020 |
| **UN number** | 1993 |
| **Proper Shipping Name** | FLAMMABLE LIQUID, N.O.S. (contains isopropanol) |
| **DG class** | 3 |
| **Packaging group** | III |
| **Hazchem code** | 3Y |
| **Uses** | Glass & Stainless Cleaner |

### Company Details

| | |
|---|---|
| **Company** | **Integra Industries Ltd** |
| **Address** | 21A Grosvenor St<br>South Dunedin<br>New Zealand |
| **Telephone** | 0800 667 843 |
| **Website** | www.integraindustries.co.nz |

**Emergency Telephone Number: 0800 764 766**

## 2. Hazard Identification

### Approval

This product is an approved substance under the Hazardous Substances and New Organisms Act (HSNO, Approval HSR002528, Cleaning Products (Flammable) Group Standard 2020). The substance has been classified as hazardous according to the criteria in the Hazardous substances (Hazard Classification) Notice 2020.

| GHS 7 Classes | Hazard Statements |
|---|---|
| Flammable liquid category 3 | H226 - Flammable liquid and vapour. |
| Aspiration category 1 | H304 - May be fatal if swallowed and enters airways. |
| Eye irritant category 2 | H319 - Causes serious eye irritation. |
| Skin irritant category 2 | H315 - Causes skin irritation. |
| STOT* single exposure category 3 | H336 - May cause drowsiness or dizziness. |

*STOT – System Target Organ Toxicity

**SYMBOLS**

**DANGER**

### Other Classifications

There are no other classifications that are known to apply.

### Precautionary Statements

**Prevention**
P102 - Keep out of reach of children.
P103 - Read label before use.
P210 - Keep away from ignition sources. No smoking.
P233 - Keep container tightly closed.
P240 - Ground/bond container and receiving equipment.
P241 - Use explosion-proof electrical equipment.
P242 - Use only non-sparking tools.
P243 - Take precautionary measures against static discharge.
P261 - Avoid breathing vapours.
P264 - Wash hands thoroughly after handling.
P271 - Use only outdoors or in a well-ventilated area.
P280 - Wear protective gloves/eye/face protection.

**Response**
P101 - If medical advice is needed, have product container or label at hand.
P301+P310 - IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician.
P331 - Do NOT induce vomiting.
P303+P361+P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P302+P352 - IF ON SKIN: Wash with plenty of soap and water.
P332+P313 - If skin irritation occurs: Get medical advice/ attention.
P362 - Take off contaminated clothing and wash before re-use.
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/attention.
P304+P340 - IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
P312 - Call a POISON CENTRE or doctor/physician if you feel unwell.

**Storage**
P403+P235 - Store in a well-ventilated place. Keep cool.
P405 - Store locked up.

**Disposal**
P501 - Dispose of contents/container in accordance with local/regional/national/international regulation.

## 3. Composition / Information on Ingredients

| Component | CAS/ Identification | Concentration |
|---|---|---|
| Isopropanol | 67-63-0 | 20-40% |
| Ethylene glycol monobutyl ether | 111-76-2 | 10-20% |
| Ammonia, aqueous solution | 1336-21-6 | 1-10% |
| Surfactant | Proprietary | 0.1-1% |

This is a commercial product whose exact ratio of components may vary slightly. Trace quantities of impurities are also likely.

## 4. First Aid

### General Information

If medical advice is needed, have product container or label at hand. You should call the National Poisons Centre if you feel that you may have been harmed or irritated by this product. The number is 0800 764 766 (0800 POISON) (24 hr emergency service).

**Recommended first aid facilities**
Ready access to running water is recommended. Accessible eyewash is recommended.

### Exposure

**Swallowed**
IF SWALLOWED: Call a POISON CENTRE or doctor/physician if you feel unwell. Rinse mouth. Do NOT induce vomiting. Give a glass of water to drink.

**Eye contact**
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.

**Skin contact**
IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/ attention. Take off contaminated clothing and wash before re-use.

**Inhaled**
Generally, inhalation of fumes is unlikely to result in adverse health effects. If coughing, dizziness or shortness of breath is experienced, remove the patient to fresh air immediately. If patient is unconscious, place in the recovery position (on the side) for transport and contact a doctor.

### Advice to Doctor

Treat symptomatically

## 5. Firefighting Measures

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|---|---|
| **Fire and explosion hazards:** | Vapours may form an explosive mixture in air which can be ignited by many sources such as pilot lights, open flames, electrical motors, switches and static electricity. |
| **Suitable extinguishing substances:** | Carbon dioxide, extinguishing powder, foam. |
| **Unsuitable extinguishing substances:** | Unknown. |
| **Products of combustion:** | Carbon dioxide, and if combustion is incomplete, carbon monoxide and smoke. Water. May form toxic mixtures in air and may accumulate in sumps, pits and other low-lying spaces, forming potentially explosive mixtures. |
| **Protective equipment:** | Self-contained breathing apparatus. Safety boots, non-flammable overalls, gloves, hat and eye protection. |
| **Hazchem code:** | 3Y |

## 6. Accidental Release Measures

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|---|---|
| **Containment** | If greater than *1000L is stored,* secondary containment and emergency plans to manage any potential spills must be in place. In all cases design storage to prevent discharge to storm water. |
| **Emergency procedures** | In the event of spillage alert the fire brigade to location and give brief description of hazard. Stop the source of the leak, if safe to do so. Shut off all possible sources of ignition. Wear protective equipment to prevent skin, eye and respiratory exposure. Clear area of any unprotected personnel. Contain using sand, earth or vermiculite. Do not use sawdust. Prevent by whatever means possible any spillage from entering drains, sewers, or water courses. (If this occurs contact your regional council immediately). |
| **Clean-up method** | Use absorbent (soil, sand or other inert material). Rags are not recommended for the clean-up of spills, as they may create fire or environmental hazard. Collect and seal in properly labelled containers or drums for disposal. If contamination of crops, sewers or waterways has occurred advise local emergency services. |
| **Disposal** | Mop up and collect recoverable material into labelled containers for recycling or salvage. Recycle containers wherever possible. This material may be suitable for approved landfill. Dispose of only in accord with all regulations. |
| **Precautions** | Wear protective equipment to prevent skin and eye contamination and the inhalation of vapours. Work up wind or increase ventilation. |

## 7. Storage & Handling

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|---|---|
| **Storage** | Store locked up. Avoid storage of harmful substances with food. Store out of reach of children. Containers should be kept closed in order to minimise contamination. Keep from extreme heat and open flames. Avoid contact with incompatible substances as listed in Section 10. Location test certificates must be available if storing >1500L (containers >5L), 500L (containers ≤5L), 250L (in use). Containers (and outer packaging) must bear the prescribed labelling, including the Hazchem code, UN number, flammability warning and name of contents. |
| **Handling** | Keep exposure to a minimum, and minimise the quantities kept in work areas. See section 8 with regard to personal protective equipment requirements. |

## 8. Exposure Controls / Personal Protective Equipment

### Workplace Exposure Standards

A workplace exposure standard (WES) has not been established by WorkSafe NZ for this product. There is a general limit of 3mg/m$^3$ for respirable particulates and 10mg/m$^3$ for inhalable particulates when limits have not otherwise been established.

| NZ Workplace Exposure Stds | Ingredient | WES-TWA | WES-STEL |
|---|---|---|---|
| | Isopropanol | 400ppm, 983mg/m$^3$ | 500ppm, 1230mg/m$^3$ |
| | Ethylene glycol monobutyl ether | 25ppm, 121mg/m$^3$ (skin) | not established |
| | Ammonia, aqueous solution | 25ppm, 17 mg/m$^3$ | 35ppm, 24 mg/m$^3$ |

### Engineering Controls

In industrial situations, it is expected that employee exposure to hazardous substances will be controlled to a level as far below the WES as practicable by applying the hierarchy of control required by the Health and Safety at Work Act (2015) and the Health and Safety at Work (General Risk and Workplace Management) Regulations 2016. Exposure can be reduced by process modification, use of local exhaust ventilation, capturing substances at the source, or other methods. If you believe air borne concentrations of mists, dusts or vapours are high, you are advised to modify processes or increase ventilation.

### Personal Protective Equipment

**General**

Personal Protective Equipment (PPE) should not be used as the primary means of exposure protection, except in the event of an accident or emergency situation or where all other means of protection have proven to inadequate.
Clean PPE after use or dispose of as appropriate. Store PPE for re-use in a clean place. Regular training on the correct use of PPE should be provided. In particular the correct fitting and use of respirators and where applicable the cleaning of respirators should be undertaken.

**Eyes**

Avoid contact with eyes. Use safety glasses and or chemical splash goggles if splashes are possible. Select eye protection in accordance with AS/NZS 1337.

**Skin**

Protective gloves are recommended. Nitrile Gloves are recommended. Protective gloves or suitably resistant material must comply with AS 2161. Replace frequently. Gloves should be checked for tears or holes before use. Protective clothing must comply with AS 2919, AS3765.1 or AS3765.2. PVC or rubber boots must comply with AS/NZS 2210.2 and selected and maintained in accordance with AS/NS2210.1.

**Respiratory**

A respirator when airborne concentrations approach the WES (section 8). Respirators must have filters appropriate to the duty and comply with AS/NZS1716 and selected, used and maintained in accordance with AS/NS 1715. Use a respirator with an organic vapour cartridge. If using a respirator, ensure that the cartridges are correct for the potential air contamination and are in good working order. Fit testing and clear guidelines and training for use and maintenance of PPE are necessary.

### WES Additional Information

Not applicable

## 9. Physical & Chemical Properties

| | |
|---|---|
| **Appearance** | blue liquid |
| **Odour** | ammonical odour |
| **Odour Threshold** | no data |
| **pH** | 3-4 |
| **Freezing/melting point** | no data |
| **Boiling Point** | no data |
| **Flashpoint** | 24-25°C |
| **Flammability** | non flammable |
| **Upper & lower flammable limits** | no LEL or UEL |
| **Vapour pressure** | no data |
| **Vapour density** | no data |
| **Specific gravity/density** | 1 |
| **Solubility** | miscible in water |
| **Partition coefficient** | no data |
| **Auto-ignition temperature** | no data |
| **Decomposition temperature** | no data |
| **Viscosity** | no data |
| **Particle Characteristics** | no data |

## 10. Stability & Reactivity

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|---|---|
| **Stability** | Stable |
| **Conditions to be avoided** | Flammable substance. Keep away from sources of ignition at all times. Containers should be kept closed in order to avoid contamination. |
| **Incompatible groups** | Strong oxidisers (e.g. bleach) |
| **Substance Specific Incompatibility** | none known |

| | |
|---|---|
| **Hazardous decomposition products** | Thermal decomposition products may include oxides of carbon. |
| **Hazardous reactions** | none known |

## 11. Toxicological Information

### Summary

IF SWALLOWED: may cause gastrointestinal irritation. Isopropanol poses a risk of aspiration into the lungs following oral exposure (bronchopneumonia) and aspiration of small amount may be fatal.
IF IN EYES: may cause eye irritation.
IF ON SKIN: may cause skin irritation.
IF INHALED: May cause drowsiness or dizziness.

### Supporting Data

| | | |
|---|---|---|
| **Acute** | **Oral** | Using $LD_{50}$'s for ingredients, the Acute Toxicity Estimate (ATE) (oral) for the mixture is >2,000 mg/kg. Data considered includes: Isopropanol 3600 mg/kg (mouse), Ethylene glycol monobutyl ether 1414mg/kg (guinea pig), also aspiration toxicity, Ammonia, aqueous solution 350 - 370 mg/kg (rat). |
| | **Aspiration** | This mixture is considered an aspiration hazard. |
| | **Dermal** | Using $LD_{50}$'s for ingredients, the Acute Toxicity Estimate (ATE) (dermal) for the mixture is >2,000 mg/kg. |
| | **Inhaled** | Using $LD_{50}$'s for ingredients, the Acute Toxicity Estimate (ATE) (inhalation) for the mixture is >5mg/L/4h. |
| | **Eye** | The mixture is considered to be an eye irritant. Isopropanol is considered to be an eye irritant. |
| | **Skin** | The mixture is considered to be a skin irritant. Isopropanol is not classed to be a skin irritant. |
| **Chronic** | **Sensitisation** | No ingredient present at concentrations > 0.1% is considered a sensitizer. |
| | **Mutagenicity** | No ingredient present at concentrations > 0.1% is considered a mutagen. |
| | **Carcinogenicity** | No ingredient present at concentrations > 0.1% is considered a carcinogen. |
| | **Reproductive / Developmental** | No ingredient present at concentrations > 0.1% is considered a reproductive or developmental toxicant or have any effects on or via lactation. |
| | **Systemic** | No ingredient present at concentrations > 1% is considered a target organ toxicant. |
| | **Aggravation of existing conditions** | None known. |

## 12. Ecological Data

### Summary

This mixture is not considered harmful in the environment. In all cases prevent run-off to drains, sewers and waterways.

### Supporting Data

| | |
|---|---|
| **Aquatic** | Using $EC_{50}$'s for ingredients, the calculated $EC_{50}$ for the mixture is > 100 mg/L. |
| **Bioaccumulation** | No evidence of soil toxicity. |
| **Degradability** | See acute toxicity. |
| **Soil** | No evidence of toxicity towards terrestrial invertebrates. |
| **Terrestrial vertebrate** | no data |
| **Terrestrial invertebrate** | No evidence of soil toxicity. |
| **Biocidal** | no data |

## 13. Disposal Considerations

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|---|---|
| **Restrictions** | There are no product-specific restrictions, however, local council and resource consent conditions may apply, including requirements of trade waste consents. |
| **Disposal method** | Disposal of this product must comply with the Hazardous Substances (Disposal) Notice 2017 and the requirements of the Resource Management Act for which approval should be sought from the Regional Authority. The substance must be treated and therefore rendered non-hazardous before discharge to the environment. |
| **Contaminated packaging** | Disposal of contaminated packaging must comply with the Hazardous Substances (Disposal) Notice 2017 clause 12. Ensure that the package is rendered incapable of containing any substance and is disposed in a manner that is consistent with the requirements of the substance it contained and the material of the package. If possible reuse or recycle packaging. |

## 14. Transport Information

**Land Transport Rule: Dangerous Goods 2005 - NZS 5433:2007**
Transport according to NZS 5433 (Transport of Hazardous Substances on Land). Considered a dangerous good for transport.

| | | | |
|---|---|---|---|
| **UN number:** | 1993 | **Proper shipping name:** | FLAMMABLE LIQUID, N.O.S. (contains isopropanol) |
| **Class(es)** | 3 | **Packing group:** | III |
| **Precautions:** | Flammable liquid, | **Hazchem code:** | 3Y |

**IMDG**

| | | | |
|---|---|---|---|
| **UN number:** | 1993 | **Proper shipping name:** | FLAMMABLE LIQUID, N.O.S. (contains isopropanol) |
| **Class(es)** | 3 | **Packing group:** | III |
| **Precautions:** | Flammable liquid, | **EmS** | F-E, S-D |

**IATA**

| | | | |
|---|---|---|---|
| **UN number:** | 1993 | **Proper shipping name:** | FLAMMABLE LIQUID, N.O.S. (contains isopropanol) |
| **Class(es)** | 3 | **Packing group:** | III |
| **Precautions:** | Flammable liquid, | | |

## 15. Regulatory Information

This product is an approved substance under the Hazardous Substances and New Organisms Act (HSNO). Approval code: HSR002528, Cleaning Products (Flammable) Group Standard 2020. All ingredients appear on the New Zealand Inventory of Chemicals NZIoC.

### Specific Controls

| Key workplace requirements are: | |
|---|---|
| SDS | To be available within 10 minutes in workplaces storing any *quantity.* |
| Inventory | An inventory of all hazardous substances must be prepared and maintained. |
| Packaging | All hazardous substances should be appropriately *packaged including substances that* have been decanted, transferred or manufactured for own use or have been supplied |
| Labelling | Must comply with *the Hazardous Substances (Labelling)* Notice 2017. |
| Emergency plan | Required if > 1000L is stored. |
| Certified handler | Not required. |
| Tracking | Not required. |
| Bunding & secondary containment | Required if > *1000L is stored.* |
| Signage | Required if > 1000L is *stored.* |
| Location compliance certificate | Required if > 1500L (containers >5L), 500L (containers ≤5L), 250L (in use) is stored. |
| Flammable zone | Must be established if > 100L (closed containers), 25L (decanting), 5L (open occasionally), 1L (in use), stored in any one location is stored. |
| Fire extinguisher | If > 500L present. |

Note: The above workplace requirements apply if only this particular substance is present. The complete set of controls for a location will depend on the classification and total quantities of other substances present in that location.

### Other Legislation

In New Zealand, the use of this product may come under the Resource Management Act and Regulations, the Health and Safety at Work Act 2015 and the Health and Safety at Work (General Risk and Workplace Management) Regulations 2016, local Council Rules and Regional Council Plans.

## 16. Other Information

### Abbreviations

| | |
|---|---|
| **Approval Code** | Approval HSR002528, Cleaning Products (Flammable) Group Standard 2020, Controls, EPA. www.epa.govt.nz |
| **CAS Number** | Unique Chemical Abstracts Service Registry Number |
| **$EC_{50}$** | Ecotoxic Concentration 50% – concentration in water which is fatal to 50% of a test population (e.g. daphnia, fish species) |
| **EPA** | Environmental Protection Authority (New Zealand) |
| **GHS** | Globally Harmonised System of Classification and Labelling of Chemicals, 7th revised edition, 2017, published by the United Nations. |
| **HAZCHEM Code** | Emergency action code of numbers and letters that provide information to emergency services, especially fire fighters |
| **HSNO** | Hazardous Substances and New Organisms (Act and Regulations) |
| **IARC** | International Agency for Research on Cancer |
| **LEL** | Lower Explosive Limit |
| **$LD_{50}$** | Lethal Dose 50% – dose which is fatal to 50% of a test population (usually rats). |
| **$LC_{50}$** | Lethal Concentration 50% – concentration in air which is fatal to 50% of a test population (usually rats) |
| **NZIoC** | New Zealand Inventory of Chemicals |
| **STEL** | Short Term Exposure Limit - The maximum airborne concentration of a chemical or biological agent to which a worker may be exposed in any 15 minute period, provided the TWA is not exceeded |
| **STOT RE** | System Target Organ Toxicity – Repeated Exposure |
| **STOT SE** | System Target Organ Toxicity – Single Exposure |
| **TWA** | Time Weighted Average – generally referred to WES averaged over typical work day (usually 8 hours) |
| **UEL** | Upper Explosive Limit |
| **UN Number** | United Nations Number |
| **WES** | Workplace Exposure Standard - The airborne concentration of a biological or chemical agent to which a worker may be exposed during work hours (usually 8 hours, 5 days a week). The WES relates to exposure that has been measured by personal monitoring using procedures that gather air samples in the worker's breathing zone. |

### References

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|---|---|
| **Data** | Unless otherwise stated comes from the EPA HSNO chemical classification information database (CCID). |
| **Controls** | EPA notices, www.epa.govt.nz, Health and Safety at Work (Hazardous Substances) Regulations 2017, www.legislation.govt.nz |
| **WES** | The latest NZ Workplace Exposure Standards, published by WorkSafe NZ and available on their web site – www.worksafe.govt.nz. |
| **Other References:** | Suppliers SDS |

### Review

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|---|---|
| **Date** | Reason for review |
| **1 April 2025** | Phone number updated |

### Disclaimer