



1. Identification of Substance & Company

Product

Product name ATORN Hand Cleaner
Other names Sabesto Hand Cleaner
Product code 6081520010
HSNO approval Not applicable – non hazardous
UN number Not assigned
Packaging group Not applicable
Hazchem code Not applicable
Poison schedule Not applicable
Uses Hand cleaner for normal workshop use

Company Details

Company EDL Fasteners LTD
Address 70 Richard Pearse Drive
Mangere, Manukau
New Zealand
Telephone +64 9 257 5536
Fax +64 9 257 5844
Website www.edlfast.co.nz

Emergency Telephone Number: 0800-764 766

2. Hazard Identification

Hazard Classifications

This product is not considered to be a hazardous substance to the Hazardous Substances and New Organisms Act (HSNO).
Classes:
none

SYMBOLS

none

Other Classifications

There are no other classifications that are known to apply.

Hazard and Precautionary Statements

Hazard none

Precautionary none

3. Composition / Information on Ingredients

Component	CAS/ Identification	Conc (% w/w)
surfactants	Proprietary	Not spec
plastic granules	Proprietary	Not spec
perfume	proprietary	Not spec

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



4. First Aid

General Information

You should call the National Poisons Centre if you feel that you may have been harmed, or irritated by this product.

Recommended first aid facilities

Ready access to running water is required. Accessible eyewash is recommended.

Exposure

Swallowed

IF SWALLOWED: Do NOT induce vomiting. Rinse mouth. Contact a doctor if you feel unwell.

Eye contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Apply continuous irrigation with water for at least 15 minutes holding eyelids apart.

Skin contact

If skin irritation occurs: get medical advice/attention.

Inhaled

IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. If patient is unconscious, place in the recovery position (on the side) for transport and contact a doctor. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

Advice to Doctor

Treat symptomatically

5. Firefighting Measures

Fire and explosion hazards:

There are no specific risks for fire/explosion for this chemical. It is non-flammable.

Suitable extinguishing substances:

Carbon dioxide, extinguishing powder, foam, fog sprays, water jets.

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:

Not assigned.

6. Accidental Release Measures

Containment

There is no current legal requirement for containment of this product.

Emergency procedures

In the event of spillage alert the fire brigade to location and give brief description of hazard.

Slippery when spilled.

Contain using sand, earth or vermiculite.

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

Storage	Avoid storage of harmful substances with food. Store out of reach of children. Containers should be kept closed in order to minimise contamination. Keep in a cool, dry place. Avoid contact with incompatible substances as listed in Section 10.
Handling	Keep exposure to a minimum, and minimise the quantities kept in work areas. See section 8 with regard to personal protective equipment requirements. Avoid skin and eye contact and inhalation of vapour.

8. Exposure Controls / Personal Protective Equipment

Workplace Exposure Standards

A workplace exposure standard (WES) has not been established by the NZ Department of Labour for this product. There is a general limit of 10mg/m³ for dusts and mists when limits have not otherwise been established.

NZ Workplace Exposure Stds (OSH 2002)	Ingredient	WES-TWA	WES-STEL
	surfactants	Data unavailable	Data unavailable
	plastic granules	Data unavailable	Data unavailable
	perfume	Data unavailable	Data unavailable

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 in Employment Act 1992 (HSE). 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

Eyes	Protective eyewear is not normally necessary when using this product. However, it always prudent to use protective eyewear if splashes are likely.
Skin	If discomfort is felt (e.g., if pre-existing conditions exist, such as dermatitis, cuts or sensitive skin), avoid contact.
Respiratory	A respirator when airborne concentrations approach the WES (section 8) should be used. If using a respirator, ensure that the cartridges are correct for the potential air contamination and are in good working order.

WES Additional Information

No additional information

9. Physical & Chemical Properties

Appearance	thin paste
Odour	characteristic odour
pH	6
Vapour pressure	2.3 kPa
Viscosity	no data
Boiling point	100°C
Volatile materials	no data
Freezing / melting point	not reported
Solubility	insoluble in water
Specific gravity / density	0.91 (water = 1)
Flash point	no data
Danger of explosion	no data
Auto-ignition temperature	no data
Upper and lower flammable limits	no data
Corrosiveness	not corrosive



10. Stability & Reactivity

Stability	This product is thermally stable when stored and used as directed.
Conditions to be avoided	None known
Incompatible groups	Strong oxidising agents
Hazardous decomposition products	In the case of fire may develop hazardous decomposition products including carbon oxides and toxic pyrolysis products.
Hazardous reactions	Hazardous polymerisations will not occur.

11. Toxicological Information

Summary

No specific data is available for this product. Where available, toxicological data has been researched and data for the mixture calculated. The results of these calculations are presented below. The product is considered to have the following toxicity:

Supporting Data

Acute	Oral	No data for mixture is available. The estimated LD ₅₀ (oral, rat) for the mixture is >5000mg/kg.
	Dermal	No data for mixture is available. The estimated LD ₅₀ (dermal, rat) for the mixture is >5,000 mg/kg.
	Inhaled	No data for mixture is available. The estimated LC ₅₀ (inhalation, rat) for the mixture is >5,000 ppm. The substance is non volatile.
	Eye Skin	Exposure of the liquid may produce eye discomfort. The mixture is not classified as a skin irritant. However repeated exposure may lead to defatting, drying and irritation of sensitive skin.
Chronic	Sensitisation	No data for mixture is available. No ingredient present at concentrations > 0.1% is considered a sensitizer.
	Mutagenicity	No data for mixture is available. No ingredient present at concentrations > 0.1% is considered a mutagen.
	Carcinogenicity	No data for mixture is available. No ingredient present at concentrations > 0.1% is considered a carcinogen.
	Reproductive / Developmental	No data for mixture is available. No ingredient present at concentrations > 0.1% is considered a reproductive or developmental toxicant or have any effects on or via lactation.
	Systemic Aggravation of existing conditions	No data for mixture is available. None known.

12. Ecological Data

Summary

No specific data is available for this product. Where available, ecotoxicological data has been researched and data for the mixture calculated. The results of these calculations are presented below. The product is considered to have the following ecotoxicity groups:

Supporting Data

Aquatic	No data for mixture is available. The estimated EC ₅₀ for the mixture is > 100 mg/L.
Bioaccumulation	No data.
Degradability	The mixture is biodegradable.
Soil	No data available for the mixture.
Terrestrial vertebrate	This product is not considered harmful to terrestrial vertebrates. No LC ₅₀ (diet) data for ingredients are available and the classification is based on the LD ₅₀ (oral) – see section 11 – oral toxicity.
Terrestrial invertebrate	The mixture is not considered harmful to terrestrial invertebrates.
Biocidal	Not applicable



Environmental effect levels:	Ingredients	EEL
	surfactants	Data unavailable
	plastic granules	Data unavailable
	perfume	Data unavailable

13. Disposal Considerations

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 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	Rinse container with water. Preferably re-cycle container, otherwise send to landfill or similar.

14. Transport Information

Transport according to NZS 5433 (Transport of Hazardous Substances on Land). Not considered a hazardous substance for transport.

UN number:	Not assigned	Proper shipping name:	Not applicable
Class(es):	Not applicable	Packing group:	Not applicable
Precautions:	Not applicable	Hazchem code:	Not assigned

15. Regulatory Information

This product is not considered hazardous under HSNO.

Specific Workplace Controls (as per HSNO approval referenced to Controls Matrix)

Key workplace requirements are:

MSDS	Not required
Labelling	Not required.
Emergency plan	Not required.
Approved handler/Tracking	Not required.
Signage	Not required.
Test certificate	Not required.

Other Legislation

In New Zealand, the use of this product may come under the Resource Management Act and Regulations, the Health, Safety in Employment Act and Regulations, local Council Rules and Regional Council Plans.



16. Other Information

Abbreviations

ACGIH	American Conference of Governmental Industrial Hygienists
CAS Number	Unique Chemical Abstracts Service Registry Number
Controls Matrix	List of default controls linking regulation numbers to Matrix code (e.g. T1, I16).
EC₅₀	Ecotoxic Concentration 50% – concentration in water which is fatal to 50% of a test population (e.g. daphnia, fish species).
ERMA	Environmental Risk Management Authority
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
LD₅₀	Lethal Dose 50% – dose which is fatal to 50% of a test population (usually rats).
LC₅₀	Lethal Concentration 50% – concentration in air which is fatal to 50% of a test population (usually rats).
MSDS	Material Safety Data Sheet (or Safety Data Sheet)
OSH	The Occupational Safety and Health Service of the Department of Labour (NZ)
UN Number	United Nations Number
WES	Workplace Exposure Standard

References

Data	Unless otherwise stated comes from the ERMA HSNO chemical classification information database (CCID) http://www.ermanz.govt.nz/hs/compliance/chemicals.html , for specific chemicals.
ERMA Transfer Gazettes	Classifications and controls assigned for specific ingredients (consolidated gazette, 2004)
Controls Matrix	Part of the ERMA New Zealand User Guide to the HSNO Control Regulations
WES 2002	The NZ Workplace Exposure Standards Effective from 2002, published by OSH and available on their web site – www.osh.dol.govt.nz .
Other References:	Wurth MSDS, ChemIDplus

Disclaimer

This MSDS was prepared by Datachem LTD and is based on our current state of knowledge, including information obtained from suppliers. The MSDS is given in good faith and constitutes a guideline (not a guarantee of safety). The level of risk each substance poses is relevant to its properties (as summarised in the MSDS) AND HOW THE SUBSTANCE IS USED. While guidelines are given for personal protective equipment, such precautions must be relevant to the use. **The likely HSNO classifications for this MSDS have been estimated based on general information from the supplier (e.g., hazard, toxicological).** Full formulation details were not available. This MSDS is copyright Datachem and must not be copied, edited or used for other than intended purpose. To contact the MSDS author, email info@datachem.co.nz or phone: **+64 9 940 30 80**.

