

SAFETY DATA SHEET

Tuff Wash

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Trade name: Tuff Wash

Product no.: FM001

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses of the substance or mixture: Cleaning product
Restricted to professional users.

Uses advised against : For professional use only. This product is not recommended for any industrial, professional or consumer use other than the identified uses above

1.3. Details of the supplier of the safety data sheet

Company and address: **Autosmart Australia**
11 Darrambal Close
NSW 2283 Rathmines
Australia
Tel: 02 49 75 14 88 (Mon to Fri, 08:00 - 16:00 AEST)
autosmart@autosmartaustralia.com.au

Contact person: Russell Butler

E-mail: SHREQ@autosmart.co.uk

SDS date: 4/4/2025

SDS Version: 1.0

1.4. Emergency telephone number

In an Emergency call 000

NCEC - For Chemical Emergency Support ONLY (spill, leak, fire, exposure or accident), Call NCEC at 1800 074 234 (toll free 24Hrs) - when calling please quote "AUTOSMART 29003-NCEC"
Local number +61 (0)2 8 014 4558

General Information. Transport Information. Mild medical Information:-
Autosmart Australia, Tel: 02 49 75 14 88 (Mon to Fri, 08:00 - 16:00 AEST)

National Emergency Telephone Number:

In less severe situations call the Poisons Information Centre / Poison Information Hotline: 13 11 26 (Available 24/7 from anywhere in Australia)

SECTION 2: HAZARDS IDENTIFICATION

This material is considered hazardous according to the Work Health and Safety Regulations.

2.1. Classification of the substance or mixture

Skin Irrit. 2; H315, Causes skin irritation.
Eye Dam. 1; H318, Causes serious eye damage.
Carc. 2; H351, Suspected of causing cancer.

2.2. Label elements

Hazard pictogram(s):



Signal word:

Danger

Hazard statement(s):

Causes skin irritation. (H315)
Causes serious eye damage. (H318)
Suspected of causing cancer. (H351)

Precautionary statement(s):

General:

-

Prevention:

Wash hands and exposed skin thoroughly after handling. (P264)
Do not eat, drink or smoke when using this product. (P270)
Wear protective gloves/protective clothing/eye protection/face protection. (P280)

Response:

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338)
Immediately call a POISON CENTER/doctor. (P310)

Storage:

-

Disposal:

-

Hazardous substances:

Glycine, N,N-bis(carboxymethyl)-, sodium salt, hydrate (1:3:1)
Alcohols, C9-11, ethoxylated
Sulfuric acid, mono-C12-14-alkyl esters, sodium salts
Amides, coco, N,N-bis(hydroxyethyl)

Additional labelling:

Not applicable.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable. This product is a mixture.

3.2. Mixtures

Product/substance:	Identifiers:	% w/w:	Classification:	Note:
Glycine, N,N-bis(carboxymethyl)-, sodium salt, hydrate (1:3:1)	CAS No.: 18662-53-8 EC No.: 606-091-9	3-5%	Acute Tox. 4, H302 (ATE: 1470.00 mg/kg) Eye Irrit. 2, H319 Carc. 2, H351	
Sodium metasilicate, pentahydrate	CAS No.: 10213-79-3 EC No.: 600-279-4	1-3%	Met. Corr. 1, H290 Acute Tox. 4, H302 Skin Corr. 1B, H314 STOT SE 3, H335	
Alcohols, C9-11, ethoxylated	CAS No.: 68439-46-3 EC No.: 614-482-0	1-3%	Acute Tox. 4, H302 Eye Dam. 1, H318	[19]
Sulfuric acid, mono-C12-14-alkyl esters, sodium salts	CAS No.: 85586-07-8 EC No.: 287-809-4	1-3%	Acute Tox. 4, H302 (ATE: 1800.00 mg/kg) Skin Irrit. 2, H315 Eye Dam. 1, H318 (SCL: 20.00 %) Eye Irrit. 2, H319 (SCL: 10.00 %)	
Amides, coco, N,N-bis(hydroxyethyl)	CAS No.: 68603-42-9 EC No.: 271-657-0	<1%	Skin Irrit. 2, H315 Eye Dam. 1, H318 Carc. 2, H351	[19]

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

[19] UVCB = Unknown or variable composition, complex reaction products or of biological materials

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information:

In the case of accident: Contact a doctor or casualty department – bring the label or this safety data sheet.
Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation:

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

Skin contact:

Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.
If skin irritation occurs: Get medical advice/attention.

Eye contact:

If in eyes: Flush eyes with plenty of water or salt water (20-30 °C) for at least 30 minutes and continue until irritation stops. Remove contact lenses. Make sure you flush under the upper and lower eyelids. Seek medical assistance immediately and continue flushing during transport.

Ingestion:

If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink.
In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.

Burns:

Not applicable.

4.2. Most important symptoms and effects, both acute and delayed

The product contains substances that cause serious eye damage. Contact with these substances can cause irreversible effects on the eye / serious eye damage.

4.3. Indication of any immediate medical attention and special treatment needed

IF exposed or concerned:

Get immediate medical advice/attention.

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Not applicable.

5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure call the NSW Poisons Information Centre on 13 11 26 (Available 24/7) in order to obtain further advice.

SECTION 6: ACCIDENTAL RELEASE MEASURES

- 6.1. Personal precautions, protective equipment and emergency procedures**
Avoid direct contact with spilled substances.
Contaminated areas may be slippery.
- 6.2. Environmental precautions**
Avoid discharge to lakes, streams, sewers, etc. In the event of leakage to the surroundings, contact local environmental authorities.
- 6.3. Methods and material for containment and cleaning up**
Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.
Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.
- 6.4. Reference to other sections**
See section 13 "Disposal considerations" on handling of waste.
See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: HANDLING AND STORAGE

- 7.1. Precautions for safe handling**
Avoid direct contact with the product.
Avoid contact during pregnancy and while nursing.
Smoking, drinking and consumption of food is not allowed in the work area.
See section 8 "Exposure controls/personal protection" for information on personal protection.
- 7.2. Conditions for safe storage, including any incompatibilities**
Containers that have been opened must be carefully resealed and kept upright to prevent leakage.
- | | |
|--------------------------------------|--|
| <i>Recommended storage material:</i> | Keep only in original packaging. |
| <i>Storage conditions:</i> | Dry, cool and well ventilated |
| <i>Incompatible materials:</i> | Strong acids, strong bases, strong oxidizing agents, and strong reducing agents. |
- 7.3. Specific end use(s)**
This product should only be used for applications quoted in section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1. Control parameters**
No substances are included in the list of workplace exposure standards for airborne contaminants as published by Safe Work Australia.
- 8.2. Exposure controls**
Apply general control to prevent unnecessary exposure
- | | |
|--|--|
| <i>General recommendations:</i> | Smoking, drinking and consumption of food is not allowed in the work area. |
| <i>Exposure scenarios:</i> | There are no exposure scenarios implemented for this product. |
| <i>Exposure limits:</i> | Occupational exposure limits have not been defined for the substances in this product. |
| <i>Appropriate technical measures:</i> | Do not recirculate outlet air that contain the substances.
Ensure that eyewash stations and safety showers are located within easy reach.
Apply standard precautions during use of the product. Avoid inhalation of vapours. |
| <i>Hygiene measures:</i> | Take off contaminated clothing and wash it before reuse. |
| <i>Measures to avoid environmental exposure:</i> | Keep damming materials near the workplace. If possible, collect |

spillage during work.

Individual protection measures, such as personal protective equipment

Generally:

Use only protective equipment that carries the RCM symbol.


Respiratory Equipment:

Type:	Class:	Colour:	Standards:	:
Respiratory protection is not needed in the event of adequate ventilation.				

Respiratory protection complying with an approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible. Ensure all respiratory protective equipment is suitable for its intended use and is appropriately marked to a relevant standard. Check that the respirator fits tightly and the filter is changed regularly.


Gas and combination filter cartridges suitable for intended use, Full face mask respirators with replaceable filter cartridges suitable for intended use, half mask and quarter mask respirators with replaceable filter cartridges suitable for intended use, can all be used.

Skin protection:

Recommended:	Type/Category:	Standards:	:
Dedicated work clothing should be worn.	-	-	


Appropriate footwear and additional protective clothing complying with an approved standard should be worn if a risk assessment indicates skin contamination is possible.

Hand protection:

Material:	Glove thickness (mm):	Breakthrough time (min.):	Standards:	:
Nitrile	0,2	> 120	EN374-2, EN16523-1, EN388	

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. The breakthrough time for any glove material may be different for different glove manufacturers. To protect hands from chemicals, wear gloves that are proven to be impervious to the chemical and resist degradation. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected. Frequent changes are recommended. The choice of protective gloves depends upon the chemicals being handled, and the conditions of work and use. When used with mixtures, the protection time of gloves cannot be accurately estimated. Gloves made from the following material may provide suitable chemical protection: Nitrile rubber. Thickness: > 0.2 mm The selected gloves should have a breakthrough time of at least 2 hours. Glove thickness is not necessarily a good measure of glove resistance as the permeation rate will depend on the exact glove composition. Repeated exposure to chemicals will degrade the ability of the glove to provide resistance to chemicals. Specific work environments and material handling practices may vary, therefore safety procedures should be developed for each intended application. Use thin cotton gloves inside natural rubber gloves if there is an allergy risk to natural rubber.

Eye protection:

Type:	Standards:	:
Safety glasses with side shields.	EN ISO 16321-1	

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Personal protective equipment that provides appropriate eye and face protection should be worn. Wear tight-fitting, chemical splash goggles or face shield. If inhalation hazards exist, a full-face respirator may be required instead.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

<i>Form:</i>	Liquid
<i>Colour:</i>	Deep brown
<i>Odour:</i>	Pleasant
<i>Odour threshold (ppm):</i>	No data available.
<i>pH:</i>	11.5
<i>Density (g/cm³):</i>	-
<i>Relative density:</i>	1.1 (20 °C)
<i>Kinematic viscosity:</i>	No data available.
<i>Particle characteristics:</i>	Does not apply to liquids.

Phase changes

<i>Melting point/Freezing point (°C):</i>	0
<i>Softening point/range (°C):</i>	Does not apply to liquids.
<i>Boiling point (°C):</i>	No data available.
<i>Vapour pressure:</i>	No data available.
<i>Relative vapour density:</i>	No data available.
<i>Decomposition temperature (°C):</i>	No data available.

Data on fire and explosion hazards

<i>Flash point (°C):</i>	No data available.
<i>Flammability (°C):</i>	No data available.
<i>Auto-ignition temperature (°C):</i>	No data available.
<i>Explosion limits (% v/v):</i>	No data available.

Solubility

<i>Solubility in water:</i>	Soluble
<i>n-octanol/water coefficient (LogKow):</i>	No data available.
<i>Solubility in fat (g/L):</i>	No data available.

9.2. Other information

<i>VOC (g/L):</i>	1
<i>Other physical and chemical parameters:</i>	No data available.
<i>Oxidizing properties:</i>	No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION**11.1. Information on toxicological effects****Acute toxicity**

Product/substance	Sodium metasilicate, pentahydrate
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	847 mg/kg
Product/substance	Sulfuric acid, mono-C12-14-alkyl esters, sodium salts
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	1,800 mg/kg
Product/substance	Sulfuric acid, mono-C12-14-alkyl esters, sodium salts
Species:	Rat
Route of exposure:	Dermal
Test:	LD50
Result:	2001 mg/kg
Product/substance	Sulfuric acid, mono-C12-14-alkyl esters, sodium salts
Species:	Rat
Route of exposure:	Oral
Test:	NOAEL
Result:	488 mg/kg
Product/substance	Amides, coco, N,N-bis(hydroxyethyl)
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	>2000 mg/kg
Product/substance	Amides, coco, N,N-bis(hydroxyethyl)
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	>2000 mg/kg

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/irritation

Causes serious eye damage.

Respiratory sensitisation

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

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

Suspected of causing cancer.

Reproductive toxicity

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

STOT-single exposure

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

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.

Long term effects

Carcinogenic effects: This product contains substances considered or proven to be carcinogenic. The carcinogenic effects may be triggered subsequent to exposure through inhalation, skin contact or ingestion. The product contains substances that cause serious eye damage. Contact with these substances can cause irreversible effects on the eye / serious eye damage.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Product/substance	Sulfuric acid, mono-C12-14-alkyl esters, sodium salts
Species:	Fish, <i>Oncorhynchus mykiss</i>
Duration:	96 hours
Test:	LC50
Result:	3.6 mg/L

Product/substance	Sulfuric acid, mono-C12-14-alkyl esters, sodium salts
Species:	Daphnia, <i>Daphnia magna</i>
Duration:	48 hours
Test:	EC50
Result:	4.7 mg/L

Product/substance	Sulfuric acid, mono-C12-14-alkyl esters, sodium salts
Species:	Algae, <i>Desmodesmus subspicatus</i>
Duration:	72 hours
Test:	EC50
Result:	20.1 mg/L

Product/substance	Sulfuric acid, mono-C12-14-alkyl esters, sodium salts
Species:	Fish, <i>Pimephales promelas</i>
Test:	NOEC
Result:	1357 mg/L

Product/substance	Sulfuric acid, mono-C12-14-alkyl esters, sodium salts
Species:	Algae, <i>Desmodesmus subspicatus</i>
Duration:	72 hours
Test:	EC50
Result:	5.4 mg/L

Product/substance	Sulfuric acid, mono-C12-14-alkyl esters, sodium salts
Species:	Algae, <i>Desmodesmus subspicatus</i>
Duration:	72 hours
Test:	EC10
Result:	5.4 mg/L

Product/substance	Sulfuric acid, mono-C12-14-alkyl esters, sodium salts
Species:	Crustacean, <i>Ceriodaphnia dubia</i>
Duration:	7 days
Test:	NOEC
Result:	0.508 mg/L

12.2. Persistence and degradability

Product/substance	Sulfuric acid, mono-C12-14-alkyl esters, sodium salts
Result:	75.7 %
Conclusion:	Readily biodegradable
Test:	OECD 301 B

Product/substance Sulfuric acid, mono-C12-14-alkyl esters, sodium salts
 Duration: 28 days
 Result: 90.1 %
 Conclusion: -
 Test: OECD 301 D

12.3. Bioaccumulative potential

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

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

12.6. Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Dispose of contents/container to an approved waste disposal plant.

Specific labelling

Contaminated packing

SECTION 14: TRANSPORT INFORMATION

:	14.1 UN / ID:	14.2 UN proper shipping name:	14.3 Hazard class(es):	14.4 PG*:	14.5 Env**:	Other information:
ADG	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Packing group

** Environmental hazards

Additional information

Not dangerous goods according to ADR, IATA and IMDG.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No data available.

SECTION 15: REGULATORY INFORMATION

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

Restrictions for application:

Restricted to professional users.

People under the age of 18 shall not be exposed to this product. Pregnant women and women breastfeeding must not be exposed to this product. The risk, and possible technical precautions or design of the workplace needed to eliminate exposure, must be considered.

Demands for specific education:

No specific requirements.

Control of major hazard facilities:

Not applicable.

<i>Additional information:</i>	Not applicable.
<i>The Australian Inventory of Industrial Chemicals (AIIC):</i>	Alcohols, C9-11, ethoxylated is listed Sulfuric acid, mono-C12-14-alkyl esters, sodium salts is listed Amides, coco, N,N-bis(hydroxyethyl) is listed
<i>SUSMP:</i>	Schedule 5. Caution.
<i>Sources:</i>	Model Work Health and Safety Regulations as at 1 January 2021.

15.2. Chemical safety assessment
No

SECTION 16: OTHER INFORMATION

Full text of H-phrases as mentioned in section 3

H290, May be corrosive to metals.
H302, Harmful if swallowed.
H314, Causes severe skin burns and eye damage.
H315, Causes skin irritation.
H318, Causes serious eye damage.
H319, Causes serious eye irritation.
H335, May cause respiratory irritation.
H351, Suspected of causing cancer.

The full text of identified uses as mentioned in section 1

None known.

Abbreviations and acronyms

ADG = The Australian Code for the Transport of Dangerous Goods by Road & Rail
AICIS = Australian Industrial Chemicals Introduction Scheme
AIIC = Australian Inventory of Industrial Chemicals
AS = Australian Standard
AS/NZS = Australian New Zealand Standard
ATE = Acute Toxicity Estimate
AUH = Hazard statements specific for Australia
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service
EINECS = European Inventory of Existing Commercial chemical Substances
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
Hazchem = Hazardous chemicals
IARC = International Agency for Research on Cancer
IATA = International Air Transport Association
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
NICNAS = National Industrial Chemicals Notification and Assessment Scheme (replaced by AICIS since 2020)
OECD = Organisation for Economic Co-operation and Development
PBT = Persistent, Bioaccumulative and Toxic
RCM = Regulatory Mark of Conformity
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
SCL = A specific concentration limit
STEL = Short-term exposure limits
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
SUSMP = Standard for the Uniform Scheduling of Medicines and Poisons
TWA = Time weighted average
UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative
WHS = Work Health and Safety Regulations

Additional information

The classification of the mixture in regard of health hazards is in accordance with the calculation methods given by the Work Health and Safety Regulations.

The safety data sheet is validated by

Adrian

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: AU-en