



SAFETY DATA SHEET

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

- 1.1 Product identifier: **TRIM[®] Whamex**
- 1.2 Relevant identified uses of the substance or mixture and uses advised against: Chemical cleaner concentrate.
Used in Industrial cleaning processes
Not to be used for domestic cleaning or hand use
Supplied as a concentrate and not to be used undiluted
See 'technical data sheet' for more information
- 1.3 Details of the supplier of the SDS: MASTER CHEMICAL EUROPE LTD.
33 Maitland Road, Lion Barn Business Park, Needham Market
Suffolk, IP6 8NZ, UK
Tel +44 (0)1449 726800 (Office hours only)
Email – info@masterchemical.co.uk
- 1.4 Emergency telephone number. Tel +44 (0)1449 726800 Monday-Friday 8:30am - 5:30pm British Time
- Revision: Issue 8.0: 26/01/12 replaces SDS: Issue 7.0: 17/01/12
Changes since last revision:
Section 2: Reclassification of product to include R43 and removal of one safety phrase
Section 3: Additional substance added
Section 11.1 – Change to statement regarding skin sensitisation
Section 16: Additional hazard statements added

SECTION 2: HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture: Classification according to DPD (1999/45/EC)
See section 16 for full text of R phrases
TRIM[®] Whamex is classified as hazardous to health.
Not classified as hazardous to the environment
- 2.2 Label elements Irritant
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- R41: Risk of serious damage to eyes
R38: Irritating to skin
R43: May cause sensitisation by skin contact
- S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37/39: Wear suitable protective clothing, gloves and eye / face protection.
- 2.3 Other hazards None



SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixture Mixture contains the following hazardous substances.

	Identifiers	Hazards DPD classification	CLP Classification	%
Undecan-1-ol, high ethoxylation	CAS: 34398-01-1 EC: 500-084-3	Xi; R41 R38 Xn R22	Eye Dam. 1 H318 Skin Irrit 2 H315 Acute Tox.4 H302	<10
tetrasodium 2,2',2'',2'''-(ethane-1,2-diyl dinitrilo)tetraacetate	CAS: 64-02-8 EC: 200-573-9	Xi; R36 R38	Eye Irrit 2 H319 Skin Irrit 2 H315	<5.0
hexahydro-1,3,5-tris(3-methoxypropyl)-1,3,5-triazine	CAS: 3960-05-2	C; R34 Xi; R37	Skin Corr. 1B H314 STOT SE 3 H335	<2.0
2,2',2''-(1,3,5-triazinane-1,3,5-triyl)triethanol	CAS: 4719-04-4 EC: 225-208-0	T: R23 Xn R22 Xi; R43	Acute Tox 2 H330 Acute Tox.4 H302 Skin sen 1 H317	<2.0
1-butoxypropan-2-ol	CAS: 5131-66-8 EC: 225-878-4	Xi; R36 R38	Eye Irrit 2 H319 Skin Irrit 2 H315	<3.0
Undecan-1-ol, low ethoxylation	CAS: 34398-01-1 EC: 500-084-3	Xi; R41 R38	Eye Dam. 1 H318 Skin Irrit 2 H315	<2.5
2-aminoethanol	CAS: 141-43-5 EC: 205-483-3	C; R34 Xn R20/21/22	Skin Corr. 1B H314 Acute Tox. 4 H332 Acute Tox.4 H312 Acute Tox.4 H302 STOT SE 3 H335	<2.5

Exposure limit values exist for the following constituents: 2-aminoethanol (see section 8)

SECTION 4: FIRST-AID MEASURES

4.1 Description of first aid measures

Eyes: In case of eye contact with the concentrate, flush with running water for 15 minutes and immediately seek specialist medical attention.
Skin: In case of skin contact with the concentrate, wash immediately with soap and water. Diluted product is less irritating to the skin when used as recommended and good personal hygiene is practised. Remove severely contaminated clothes. Launder before re-use. If irritation persists, seek medical advice.
Ingestion: If the concentrate or diluted product is swallowed, seek medical attention immediately and obtain treatment.
DO NOT INDUCE VOMITING.
 The mouth can be washed out with water only if the person is conscious
Inhalation: Not expected to be a probable route of exposure to the product concentrate. However, should difficulties result from inhalation then remove person to fresh air and seek medical advice

4.2 Most important symptoms and effects, both acute and delayed

Eyes: Painful irritation, redness and watering initially followed by possible corneal damage with prolonged contact.
Skin: Irritation may occur with short term contact. Blistering can occur with prolonged contact.
Ingestion: Painful irritation and soreness of the lips, mouth and throat initially. Nausea and stomach pain may develop.
Inhalation: Not expected to be a probable route of exposure to the product concentrate. Exposure to the concentrate as an aerosol may cause shortness of breath, coughing and wheezing with prolonged exposure leading to inflammation of the lungs.

4.3 Indication of any immediate medical attention and special treatment needed

In case of eye contact with the concentrate, flush with running water for 15 minutes and immediately seek specialist medical attention.



SECTION 5: FIRE-FIGHTING MEASURES

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| 5.1 | Extinguishing media: | Water spray, foam or CO ₂ |
| 5.2 | Special hazards arising from the substance or mixture | During combustion, the product may produce oxides of carbon together with partially oxidised organic compounds |
| 5.3 | Advice for fire-fighters | Keep containers cool with water spray. Contain the material and prevent from entering waterways, sewers or drains
Eye and face protection maybe required together with breathing apparatus |

SECTION 6: ACCIDENTAL RELEASE MEASURES

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| 6.1 | Personal precautions, protective equipment and emergency measures | Small quantities of released material are unlikely to present any significant risk. Use protective gloves and eye protection when tackling spills.
For larger quantities, prevent from entering waterways, sewers or drains |
| 6.2 | Environmental precautions | If accidentally released, prevent from entering waterways, sewers or drains |
| 6.3 | Methods and material for containment and cleaning up: | Contain the spill, collect on absorbent material and discard as directed by any local regulations that may apply. Flush area thoroughly with water. |
| 6.4 | Reference to other sections | Emergency contact information – see section 1
Personal protective equipment – see section 8. |

SECTION 7: HANDLING AND STORAGE

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| 7.1 | Precautions for safe handling when | Avoid contact with the concentrate. Use gloves and full eye protection decanting the product from the container.
Use only as recommended on the Product Data sheet |
| 7.2 | Conditions for safe storage, including any incompatibilities | Store at temperatures between 5° - 35°C
If frozen, thaw completely at room temperature before use.
Avoid proximity to extreme sources of heat. |
| 7.3 | Specific end use(s) | Chemical cleaner concentrate for Industrial cleaning processes
The product should be diluted with water prior to use. Typical levels of concentrate in water will range from 4 to 15% by volume.
See 'technical data sheet' for more information |



SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Workplace Exposure Limits (WEL) on substances present in the mixture.

TWA (8 hrs) mg/m³ STEL (15 min) mg/m³

2-aminoethanol

Austria	2.5	7.6
Belgium	2.5	7.6
Canada	7.5	15
Denmark	2.5	7.6
EU	2.5	7.6
France	2.5	7.6
Germany (DFG)	5.1	10.2
Hungary	2.5	7.6
Italy	2.5	7.6
Netherlands	2.5	7.6
Poland	2.5	7.6
Singapore	7.5	15
Spain	2.5	7.6
Sweden	8	15
Switzerland	5	10
USA (ACGIH)	8	15
UK	2.5	7.6

8.2 Exposure controls

Engineering controls:

Exhaust ventilation or other engineering controls should be considered to reduce airborne vapours and mists and therefore minimise substances with a WEL.

Individual protection measures:

A good level of personal hygiene should always be practised when using cleaning fluids

Respiratory measures: Respiratory equipment is not normally required when adequate natural or local exhaust ventilation is employed

Eye/face protection: Safety glasses with side shields should be worn
Hand protection: Protective gloves should be worn when handling the concentrate and with prolonged contact with dilutions.

Skin/body protection: Not usually required unless subjected to a high levels of exposure such as cleaning up spills and splashing from machines.



SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1	Information on basic physical and chemical properties	Does not constitute a specification
	Appearance	Colourless Liquid
	Odour	No distinct odour
	Odour threshold	No data available
	pH	10.9 at 10% dilution 11.7 as concentrate
	Melting point/freezing point	< 0°C
	Initial boiling point/boiling range	100°C due to water content
	Flash point (PMCC)	> 100°C
	Evaporation rate	No data available
	Flammability	No data available
	Upper/lower flammability limits	No data available
	Vapour pressure mbar @ 20°C	No data available
	Vapour density	No data available
	Relative Density @ 15.5°C	1080 Kg/m ³
	Solubility in water	Complete
	Solubility in fat / solvent	Insoluble
	Partition coefficient (log Pow)	No data available
	Auto ignition temperature (°C)	No data available
	Decomposition temperature	No data available
	Viscosity (mPa.s @ 40°C)	No data available
	Explosive properties	No explosive properties
	Oxidising properties	No oxidising properties
9.2	Other information	None

SECTION 10: STABILITY AND REACTIVITY

10.1	Reactivity	No dangerous reactions known
10.2	Chemical stability	Stable under normal conditions of use and storage
10.3	Possibility of hazardous reactions	None known
10.4	Conditions to avoid	None known
10.5	Incompatible materials	Strong oxidisers and acids.
10.6	Hazardous decomposition products	None known



SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

The following information is derived using the conventional method as recommended by EC guidelines given in Directive 1999/45/EC as well as experience from this and similar products.

Acute Toxicity

Oral

No toxic components present at levels to cause classification of the mixture.

Dermal

No toxic components present at levels to cause classification of the mixture.

Inhalation

No toxic components present at levels to cause classification of the mixture.

Corrosivity/Irritation

Eye

Painful irritation, redness and watering initially followed by possible corneal damage with prolonged contact.

Skin

Irritation initially, followed by possible blistering with prolonged contact.

Respiratory tract

Exposure to the concentrate as an aerosol may cause shortness of breath, coughing and wheezing with prolonged exposure leading to inflammation of the lungs.

Sensitisation

Skin

This product is classed as a skin sensitizer and therefore may cause skin sensitisation in some individuals.

Respiratory

No sensitisers present at levels to cause classification of the mixture.
No evidence of sensitisation effects.

Repeated dose toxicity

No data available on effects of repeated skin contact

Carcinogenicity

No evidence of carcinogenicity for the mixture

Mutagenicity

No evidence of mutagenicity for the mixture

Toxicity for reproduction

No evidence of reproductive toxicity for the mixture.



SECTION 12: ECOLOGICAL INFORMATION

12.1	Toxicity	No toxicity data is available for the mixture.
12.2	Persistence and degradability	No data is available for the mixture The surfactants contained in this preparation comply with the biodegradability criteria as laid down in regulation (EC) No.648/2004 on detergents.
12.3	Bioaccumulative potential	No data available for the mixture. No substances present that bioaccumulate
12.4	Mobility in soil	No specific data available for the mixture but its water solubility dictates a high level of mobility
12.5	Result of PBT and vPvB assessments	No PBT or vPvB materials present
12.6	Other adverse effects	Due to the composition of water soluble cleaners, these products should not be allowed into the aquatic environment before treatment.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1	Waste treatment methods	Disposal procedures must comply with local regulations. If pre-treatment is needed, chemical 'cracking' or ultra-filtration may be used. Waste cleaning fluids may be classified as hazardous wastes under the Hazardous Waste (England and Wales) Regulations 2005 (HWR) (SI 2005/894) with waste code 12 03 01* <i>aqueous washing liquids</i>
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SECTION 14: TRANSPORT INFORMATION

14.1	UN Number	Not applicable
14.2	UN proper shipping name	Not applicable
14.3	Transport hazard class(es)	Not applicable
14.4	Packing group	Not applicable
14.5	Environmental hazards	None
14.6	Special precautions for user	None
14.7	Transport in bulk according to Annex II of Marpol 73/78 and the IBC code	Not applicable



SECTION 15: REGULATORY INFORMATION

- 15.1 Safety, health and environmental regulations/legislation specific for the mixture
- Mixture has been classified under the Dangerous Preparations Directive (DPD 1999/45/EC) using the conventional calculation method.
- SDS prepared under REACH Regulation EC no. 1907/2006 Annex II
- REACH – This product is sold into Europe in compliance with the current requirements of REACH
- Product has been checked for classification under transport regulations: CDG/ADR/RID/IMDG/ICAO/IATA
- Other pertinent regulations:
Occupational Exposure Limits - Directives 2000/39/EC, 2006/15/EC and 2009/161/EU
- Personal protective equipment: Directive 89/686/EEC
- REACH - Substances of very high concern
- Detergents Regulations (EC) No.648/2004
- 15.2 Chemical safety assessment
- No formal chemical safety assessment has been carried out

SECTION 16: OTHER INFORMATION

Water hazard class (Germany) WGK 1

Full text of hazard phrases not detailed elsewhere:

DPD

X_n R20 – Harmful by inhalation.
X_n R21 – Harmful in contact with skin
X_n R22 – Harmful if swallowed
C R34 – Causes burns.
Xi R36 – Irritating to eyes
Xi R37 – Irritating to respiratory system
Xi R38 – Irritating to skin
Xi R41 – Risk of serious damage to eyes
Xi R43 – May cause sensitisation by skin contact

CLP

Acute Tox 4 H302 – Harmful if swallowed
Acute Tox 4 H312 – Harmful in contact with skin
Skin Corr. 1B H314 – Causes severe skin burns and eye damage
Skin Irrit 2 H315 – Causes skin irritation
Skin Sen 1 H317 – May cause an allergic skin reaction
Eye Dam 1 H318 – Causes serious eye damage
Eye Irrit 2 H319 – Causes serious eye irritation.
Acute Tox. 4 H332 – Harmful if inhaled
STOT SE 3 H335 – May cause respiratory irritation