



# UNIVERSAL WORKSHOP CLEANER W2

## SAFETY DATA SHEET

according to Regulation (EU) 2015/830

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### 1. SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Trade name	Universal Workshop Cleaner W2
Product code	Ford Internal Ref: 188570
SDS Number	7817
Product use	Professional use

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

Relevant identified uses	Cleaner
Uses advised against	No additional information available.

#### 1.3. Details of the supplier of the safety data sheet

<b>Supplier</b>	<b>Distributor</b>
Ford-Werke GmbH	Ford Motor Company Ltd.
Edsel-Ford-Str. 2-14	Parts Distribution Centre
50769 Cologne	Royal Oak Way South
Germany	NN11 8NT Daventry, Northants
+49 221 90-33333	United Kingdom
sdseu@ford.com	+44 1327 305 198

#### 1.4. Emergency telephone number

+49 (0) 6132-84463 (GBK GmbH – 24/7)

### 2. SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008

<b>Health hazards</b>	Skin corrosion/irritation, Category 1B	H314	Causes severe skin burns and eye damage.
	Serious eye damage/eye irritation, Category 1	H318	Causes serious eye damage.

#### 2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008

Hazard pictograms



<b>Signal word</b>	Danger
<b>Contains</b>	2-aminoethanol; potassium hydroxide
<b>Hazard statements</b>	
H314	Causes severe skin burns and eye damage.
<b>Precautionary statements</b>	
<b>Prevention</b>	
P260	Do not breathe mist, vapours.

P280	Wear eye protection, face protection, protective clothing, protective gloves.
<b>Response</b>	
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a doctor, a POISON CENTER

### 2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII.

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII.

## 3. SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

Chemical name	CAS- No EC- No Index No RRN	%	Classification according to Regulation (EC) No. 1272/2008	Notes
Tetrapotassium pyrophosphate	7320-34-5 230-785-7 01-2119489369-18-XXXX	2.5 -< 5	Eye Irrit. 2, H319	
2-butoxyethanol	111-76-2 203-905-0 603-014-00-0 01-2119475108-36-XXXX	2.5 -< 5	Acute Tox. 4 (Inhalation), H332 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319 Skin Irrit. 2, H315	#
2-aminoethanol	141-43-5 205-483-3 603-030-00-8 01-2119486455-28-XXXX	1 -< 2.5	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Corr. 1B, H314 STOT SE 3, H335 Aquatic Chronic 3, H412	(C >= 5) STOT SE 3, H335 #
Isotridecanol, ethoxylated	69011-36-5 500-241-6	1 -< 2.5	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318	
potassium hydroxide	1310-58-3 215-181-3 019-002-00-8 01-2119487136-33-XXXX	1 -< 2.5	Met. Corr. 1, H290 Acute Tox. 4 (Oral), H302 Skin Corr. 1A, H314	( 0.5 =<C < 2) Skin Irrit. 2, H315 ( 0.5 =<C < 2) Eye Irrit. 2, H319 ( 2 =<C < 5) Skin Corr. 1B, H314 (C >= 5) Skin Corr. 1A, H314
Sulfuric acid, mono-C8-10 (even numbered)-alkyl esters, sodium salts	939-332-4 01-2119972287-26-XXXX	1 -< 2.5	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318	( 10 =<C < 20) Eye Irrit. 2, H319 (C >= 20) Eye Dam. 1, H318

Chemical name	CAS- No EC- No Index No RRN	%	Classification according to Regulation (EC) No. 1272/2008	Notes
Poly(oxy-1,2-ethanediyl), .alpha.-hydro-.omega.-hydroxy-, mono-C10-14-alkyl ethers, phosphates	68585-36-4 614-625-7	1 -< 2.5	Skin Irrit. 2, H315 Eye Dam. 1, H318	
Alcohols, C10-14, ethoxylated	66455-15-0 613-933-9	0.1 -< 0.5	Eye Dam. 1, H318 STOT SE 3, H335	

#: substance with a Community workplace exposure limit

Full text of H-statements: see section 16

#### 4. SECTION 4: First aid measures

##### 4.1. Description of first aid measures

###### General information

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

###### Inhalation

Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.

###### Skin contact:

Rinse skin with water/shower. Take off immediately all contaminated clothing. Call a physician immediately.

###### Eyes contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.

###### Ingestion

Rinse mouth. Do not induce vomiting. Call a physician immediately.

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

###### Symptoms/effects after skin contact

Burns.

###### Symptoms/effects after eye contact

Serious damage to eyes.

###### Symptoms/effects after ingestion

Burns.

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

Treat symptomatically.

#### 5. SECTION 5: Firefighting measures

##### 5.1. Extinguishing media

###### Suitable extinguishing media

Water spray. Dry powder. Carbon dioxide. Alcohol resistant foam.

###### Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

##### 5.2. Special hazards arising from the substance or mixture

###### Hazardous combustion products

During fire, gases hazardous to health may be formed.

##### 5.3. Advice for firefighters

###### Protection during firefighting

Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

#### 6. SECTION 6: Accidental release measures

##### 6.1. Personal precautions, protective equipment and emergency procedures

###### For non-emergency personnel

###### Emergency procedures

Ventilate spillage area. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapours/spray.

#### For emergency responders

**Protective equipment** Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

**6.2. Environmental precautions** Dilute with plenty of water. Do not allow material to contaminate ground water system.

#### 6.3. Methods and material for containment and cleaning up

**Methods for cleaning up** Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water. Small spills: Take up liquid spill into absorbent material. Clean surface thoroughly to remove residual contamination. Never return spills in original containers for re-use.

**Other information** Dispose of materials or solid residues at an authorized site.

**6.4. Reference to other sections** For further information refer to section 13.

### 7. SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

**Precautions for safe handling** Ensure good ventilation of the work station. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapours/spray. Wear personal protective equipment.

**Hygiene measures** Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

#### 7.2. Conditions for safe storage, including any incompatibilities

**Storage conditions** Store locked up. Store in a well-ventilated place. Keep cool.

**7.3. Specific end use(s)** Cleaner.

### 8. SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### EU

Regulation	Substance	Type	Value
COMMISSION DIRECTIVE 2000/39/EC	<b>2-butoxyethanol (111-76-2)</b> 2-Butoxyethanol	IOELV TWA	98 mg/m <sup>3</sup>
		IOELV TWA	20 ppm
		IOELV STEL	246 mg/m <sup>3</sup>
		IOELV STEL	50 ppm
		Notes	Skin
COMMISSION DIRECTIVE 2006/15/EC	<b>2-aminoethanol (141-43-5)</b> 2-Aminoethanol	IOELV TWA	2.5 mg/m <sup>3</sup>
		IOELV TWA	1 ppm
		IOELV STEL	7.6 mg/m <sup>3</sup>
		IOELV STEL	3 ppm
		Notes	skin

##### United Kingdom

Regulation	Substance	Type	Value
EH40. HSE	<b>2-butoxyethanol (111-76-2)</b> 2-Butoxyethanol	WEL TWA	123 mg/m <sup>3</sup>
		WEL TWA	25 ppm
		WEL STEL	246 mg/m <sup>3</sup>
		WEL STEL	50 ppm
		Remark (WEL)	Sk (Can be absorbed through the skin. The assigned substances are

**United Kingdom**

				those for which there are concerns that dermal absorption will lead to systemic toxicity), BMGV (Biological monitoring guidance values are listed in Table 2)
	<b>potassium hydroxide (1310-58-3)</b>	WEL STEL		2 mg/m <sup>3</sup>
	Potassium hydroxide			
EH40/2005 (Third edition, 2018). HSE	<b>2-aminoethanol (141-43-5)</b> 2-Aminoethanol	WEL TWA		2.5 mg/m <sup>3</sup>
		WEL TWA		1 ppm
		WEL STEL		7.6 mg/m <sup>3</sup>
		WEL STEL		3 ppm
		Remark (WEL)		Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity)

**DNEL: Derived no effect level**

No data available

Components	Type	Route	Value	Form
Tetrapotassium pyrophosphate (7320-34-5)	Worker	Inhalation	44.08 mg/m <sup>3</sup>	Long-term - systemic effects
	Consumer	Inhalation	10.87 mg/m <sup>3</sup>	Long-term - systemic effects
2-butoxyethanol (111-76-2)	Worker	Dermal	89 mg/kg bodyweight/day	Acute - systemic effects
		Inhalation	1091 mg/m <sup>3</sup>	Acute - systemic effects
		Inhalation	246 mg/m <sup>3</sup>	Acute - local effects
		Dermal	125 mg/kg bodyweight/day	Long-term - systemic effects
	Consumer	Inhalation	98 mg/m <sup>3</sup>	Long-term - systemic effects
		Dermal	26.7 mg/kg bodyweight	Acute - systemic effects
		Inhalation	426 mg/m <sup>3</sup>	Acute - systemic effects
		Oral	89 mg/kg bodyweight	Acute - systemic effects
		Inhalation	147 mg/m <sup>3</sup>	Acute - local effects
		Oral	6.3 mg/kg bodyweight/day	Long-term - systemic effects
		Inhalation	59 mg/m <sup>3</sup>	Long-term - systemic effects
		Dermal	75 mg/kg bodyweight/day	Long-term - systemic effects
2-aminoethanol (141-43-5)	Worker	Inhalation	3.3 mg/m <sup>3</sup>	Acute - local effects
		Dermal	1 mg/kg bodyweight/day	Long-term - systemic effects
	Consumer	Oral	3.75 mg/kg bodyweight/day	Long-term - systemic effects
		Inhalation	2 mg/m <sup>3</sup>	Long-term - systemic effects
		Dermal	0.24 mg/kg bodyweight/day	Long-term - systemic effects
potassium hydroxide (1310-58-3)	Worker	Inhalation	1 mg/m <sup>3</sup>	Long-term - local effects
	Consumer	Inhalation	1 mg/m <sup>3</sup>	Long-term - local effects
Sulfuric acid, mono-C8-10 (even numbered)-alkyl esters, sodium salts	Worker	Dermal	4060 mg/kg bodyweight/day	Long-term - systemic effects
		Inhalation	285 mg/m <sup>3</sup>	Long-term - systemic effects
	Consumer	Oral	24 mg/kg bodyweight/day	Long-term - systemic effects
		Inhalation	85 mg/m <sup>3</sup>	Long-term - systemic effects
		Dermal	2440 mg/kg bodyweight/day	Long-term - systemic effects

**PNEC: Predicted no effect concentration**

No data available

Components	Type	Route	Value	Form
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Tetrapotassium pyrophosphate (7320-34-5)	Not applicable	Freshwater	0.05 mg/l	
		Seawater	0.005 mg/l	
		Freshwater	0.5 mg/l	Intermittent release
		STP	50 mg/l	
2-butoxyethanol (111-76-2)	Not applicable	Freshwater	8.8 mg/l	
		Seawater	0.88 mg/l	
		Freshwater	26.4 mg/l	Intermittent release
		sediment	34.6 mg/kg dwt	Freshwater
		sediment	3.46 mg/kg dwt	Seawater
		Soil	2.33 mg/kg dwt	
		Oral	0.02 g/kg food	Secondary Poisoning
		STP	463 mg/l	
2-aminoethanol (141-43-5)	Not applicable	Freshwater	0.085 mg/l	
		Seawater	0.009 mg/l	
		Freshwater	0.028 mg/l	Intermittent release
		sediment	0.434 mg/kg dwt	Freshwater
		sediment	0.043 mg/kg dwt	Seawater
		STP	100 mg/l	
Sulfuric acid, mono-C8-10 (even numbered)-alkyl esters, sodium salts	Not applicable	Freshwater	0.112 mg/l	
		Seawater	0.011 mg/l	
		Freshwater	0.13 mg/l	Intermittent release
		sediment	1.25 mg/kg dwt	Freshwater
		sediment	0.125 mg/kg dwt	Seawater
		Soil	0.185 mg/kg dwt	
STP	1.35 mg/l			

## 8.2. Exposure controls

### Appropriate engineering controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level

### Materials for protective clothing

Wear suitable protective clothing.

### Individual protection measures, such as personal protective equipment (PPE)

#### Eye protection

tightly fitting safety goggles

#### Skin protection

##### Hand protection

The recommendation is only valid for the supplied product and the stated application. Special working conditions, like heat or mechanical strain, which deviate from the test conditions, can reduce the protective effect provided by the recommended glove

Material	Permeation	Thickness (mm)	Comments
Nitrile rubber (NBR)	6 (> 480 minutes)	0.4	Glove recommendation: Camatril Velours® 730 (Kächele-Cama GmbH, source of supply see <a href="http://www.kcl.de">www.kcl.de</a> ) or comparable product.
In case of splash contact: Nitrile rubber (NBR)	6 (> 480 minutes)	0.4	Glove recommendation: Camatril Velours® 730 (Kächele-Cama GmbH, source of supply see <a href="http://www.kcl.de">www.kcl.de</a> ) or comparable product.

##### Other protective measures

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

### Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment

<b>Thermal hazard protection</b>	Wear appropriate thermal protective clothing, when necessary.
<b>Environmental exposure controls</b>	Avoid release to the environment.

## 9. SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

<b>Physical state</b>	Liquid
<b>Colour</b>	Clear.
<b>Odour</b>	Sweet.
<b>Odour threshold</b>	No data available
<b>pH</b>	No data available
<b>Relative evaporation rate (butylacetate=1)</b>	No data available
<b>Melting point</b>	Not applicable
<b>Freezing point</b>	No data available
<b>Boiling point</b>	> 100 °C
<b>Flash point</b>	No data available
<b>Auto-ignition temperature</b>	No data available
<b>Decomposition temperature</b>	No data available
<b>Flammability (solid, gas)</b>	Not applicable
<b>Vapour pressure</b>	No data available
<b>Relative vapour density at 20 °C</b>	No data available
<b>Relative density</b>	No data available
<b>Density</b>	1.06 g/cm <sup>3</sup> @ 20°C
<b>Solubility</b>	Miscible with water.
<b>Log Pow</b>	No data available
<b>Viscosity, kinematic</b>	No data available
<b>Viscosity, dynamic</b>	No data available
<b>Explosive properties</b>	No data available
<b>Oxidising properties</b>	No data available
<b>Explosive limits</b>	No data available

### 9.2. Other information

<b>VOC (EU)</b>	5.5 %
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## 10. SECTION 10: Stability and reactivity

<b>10.1. Reactivity</b>	The product is non-reactive under normal conditions of use, storage and transport.
<b>10.2. Chemical stability</b>	Stable under normal conditions.
<b>10.3. Possibility of hazardous reactions</b>	Reacts with : Oxidizing agent.
<b>10.4. Conditions to avoid</b>	Contact with incompatible materials.
<b>10.5. Incompatible materials</b>	Metals. Oxidising agents.
<b>10.6. Hazardous decomposition products</b>	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## 11. SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

<b>Acute toxicity</b>	Based on available data, the classification criteria are not met
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<b>Mixture</b>							
<b>Name</b>	<b>Method</b>	<b>Type</b>	<b>Exposure route</b>	<b>Value</b>	<b>Unit</b>	<b>Species</b>	<b>Remarks</b>
Universal Workshop Cleaner W2	(calculated value)	ATE	oral	> 5000	mg/kg		
	(calculated value)	ATE	Dermal	> 2000	mg/kg		
	(calculated value)	ATE	Inhalation	> 20	mg/l/4h		vapours

<b>Substance</b>							
<b>Name</b>	<b>Method</b>	<b>Type</b>	<b>Exposure route</b>	<b>Value</b>	<b>Unit</b>	<b>Species</b>	<b>Remarks</b>
2-butoxyethanol (111-76-2)	(OECD 401 method)	LD50	oral	1414	mg/kg	Guinea pig	
	(OECD 403 method)	LD50	Inhalation	2.56	mg/l/4h	rat	vapours
	(OECD 402 method)	LD50	Dermal	> 2000	mg/kg	rat	
2-aminoethanol (141-43-5)	(OECD 401 method)	LD50	oral	1515	mg/kg bw		
		ATE	Dermal	> 1000 - < 2000	mg/kg bw		
		ATE	Inhalation	> 10 - < 20	mg/l/4h		
Isotridecanol, ethoxylated (69011-36-5)	(acc. CLP 3.1.2)	ATE	oral	500	mg/kg		
potassium hydroxide (1310-58-3)	(OECD 425 method)	LD50	oral	388	mg/kg	rat	
Sulfuric acid, mono-C8-10 (even numbered)-alkyl esters, sodium salts	(acc. CLP 3.1.2)	ATE	oral	500	mg/kg		

<b>Skin corrosion/irritation</b>	Causes severe skin burns and eye damage.
<b>Serious eye damage/irritation</b>	Causes serious eye damage.
<b>Respiratory or skin sensitisation</b>	Based on available data, the classification criteria are not met
<b>Germ cell mutagenicity</b>	Based on available data, the classification criteria are not met
<b>Carcinogenicity</b>	Based on available data, the classification criteria are not met
<b>Reproductive toxicity</b>	Based on available data, the classification criteria are not met
<b>STOT-single exposure</b>	Based on available data, the classification criteria are not met
<b>STOT-repeated exposure</b>	Based on available data, the classification criteria are not met
<b>Aspiration hazard</b>	Based on available data, the classification criteria are not met

## 12. SECTION 12: Ecological information

### 12.1. Toxicity

<b>Ecology - general</b>	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
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#### Acute aquatic toxicity

<b>Substance / Product</b>	<b>Trophic level</b>	<b>Species</b>	<b>Type</b>	<b>Value</b>	<b>Duration</b>	<b>Remarks</b>
2-aminoethanol (141-43-5)	Fish	Cyprinus carpio	LC50	349 mg/L	96 h	
	aquatic invertebrates	Daphnia magna	EC50	65 mg/L	48 h	

#### Chronic aquatic toxicity

<b>Substance / Product</b>	<b>Trophic level</b>	<b>Species</b>	<b>Type</b>	<b>Value</b>	<b>Duration</b>	<b>Remarks</b>
2-aminoethanol (141-43-5)	aquatic invertebrates	Daphnia magna	NOEC	0,85 mg/L	21 d	(OECD 202 method)



Fish	Oryzias latipes (Ricefish)	NOEC	1,24 mg/L	41 d	(OECD 210 method)
algae	Pseudokirchnerella subcapitata	NOEC	1 mg/L	72 h	(OECD 201 method)

## 12.2. Persistence and degradability

### 2-aminoethanol (141-43-5)

Biodegradation	> 90 %
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## 12.3. Bioaccumulative potential

### 2-butoxyethanol (111-76-2)

Bioconcentration factor (BCF REACH)	< 100
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Log Kow	0.81
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### 2-aminoethanol (141-43-5)

Log Kow	-1.31
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## 12.4. Mobility in soil

No additional information available.

## 12.5. Results of PBT and vPvB assessment

### Universal Workshop Cleaner W2

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII.

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII.

## 12.6. Other adverse effects

Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this product.
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## 13. SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Regional legislation (waste)	Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions). Dispose of in accordance with local regulations.
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Waste treatment methods	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with licensed collector's sorting instructions.
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Product/Packaging disposal recommendations	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken for recycling, recovery or waste in accordance with local regulation.
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Additional information	Dispose in accordance with all applicable regulations.
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#### European List of Waste (LoW) code

15 01 10*	packaging containing residues of or contaminated by dangerous substances
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20 01 29*	detergents containing dangerous substances
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## 14. SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

<b>14.1. UN number</b>	
UN-No. (ADR)	1719
UN-No. (IMDG)	1719
UN-No. (IATA)	1719
UN-No. (ADN)	1719
UN-No. (RID)	1719
<b>14.2. UN proper shipping name</b>	
Proper Shipping Name (ADR)	CAUSTIC ALKALI LIQUID, N.O.S. (2-aminoethanol ; potassium hydroxide )
Proper Shipping Name (IMDG)	CAUSTIC ALKALI LIQUID, N.O.S. (2-aminoethanol ; potassium hydroxide )
Proper Shipping Name (IATA)	Caustic alkali liquid, n.o.s. (2-aminoethanol ; potassium hydroxide )
Proper Shipping Name (ADN)	CAUSTIC ALKALI LIQUID, N.O.S. (2-aminoethanol ; potassium hydroxide )
Proper Shipping Name (RID)	CAUSTIC ALKALI LIQUID, N.O.S. (2-aminoethanol ; Sulfuric acid, mono-C8-10 (even numbered)-alkyl esters, sodium salts)
<b>14.3. Transport hazard class(es)</b>	
<b>ADR</b>	
Transport hazard class(es) (ADR)	8
Danger labels (ADR)	8
<b>IMDG</b>	
Transport hazard class(es) (IMDG)	8
Danger labels (IMDG)	8
<b>IATA</b>	
Transport hazard class(es) (IATA)	8
Hazard labels (IATA)	8
<b>ADN</b>	
Transport hazard class(es) (ADN)	8
Danger labels (ADN)	8
<b>RID</b>	
Transport hazard class(es) (RID)	8
Danger labels (RID)	8
<b>14.4. Packing group</b>	
Packing group (ADR)	II
Packing group (IMDG)	II
Packing group (IATA)	II
Packing group (ADN)	II
Packing group (RID)	II
<b>14.5. Environmental hazards</b>	
Dangerous for the environment	No
Marine pollutant	No
Other information	No supplementary information available.
<b>14.6. Special precautions for user</b>	
<b>Overland transport</b>	
Classification code (ADR)	C5
Special provisions (ADR)	274
Limited quantities (ADR)	11

Packing instructions (ADR)	P001, IBC02
Hazard identification number (Kemler No.)	80
Tunnel restriction code (ADR)	E
EAC code	2R

#### Transport by sea

Special provisions (IMDG)	274
Packing instructions (IMDG)	P001
EmS-No. (Fire)	F-A
EmS-No. (Spillage)	S-B
Stowage category (IMDG)	A

#### Air transport

PCA Excepted quantities (IATA)	E2
PCA Limited quantities (IATA)	Y840
PCA limited quantity max net quantity (IATA)	0.5L
PCA packing instructions (IATA)	851
PCA max net quantity (IATA)	1L
CAO packing instructions (IATA)	855
CAO max net quantity (IATA)	30L
Special provisions (IATA)	A3, A803
ERG code (IATA)	8L

#### Inland waterway transport

Classification code (ADN)	C5
Special provisions (ADN)	274
Limited quantities (ADN)	1 L
Carriage permitted (ADN)	T

#### Rail transport

Classification code (RID)	C5
Special provisions (RID)	274
Limited quantities (RID)	1L
Packing instructions (RID)	P001, IBC02
Hazard identification number (RID)	80

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

Not applicable

## 15. SECTION 15: Regulatory information

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

#### EU-Regulations

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006

2-aminoethanol	3(c) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1
2-butoxyethanol - 2-aminoethanol	3(b) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10
2-butoxyethanol - 2-aminoethanol	3. Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

<b>VOC (EU)</b>	5.5 %
<b>Other information, restriction and prohibition regulations</b>	Directive 92/85/EEC on the safety and health of pregnant workers and workers who have recently given birth or are breastfeeding as amended. Directive 94/33/EC on the protection of young people at work, as amended. Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work, as amended. For details, refer to section 3 and 8.

#### National regulations

No additional information available.

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## 16. SECTION 16: Other information

### Indication of changes

SECTION 3. VOC. SECTION 14 : 1.4. Emergency telephone number.

### Abbreviations and acronyms

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
AGW	Occupational exposure limit value
ATE	Acute Toxicity Estimate according to Regulation (EC) 1272/2008 (CLP)
BAM	Federal Institute for Materials Research and Testing, Germany
BAT	Maximum permissible concentration of biological working substances.
BCF	Bio-concentration factor.
BLV	Biological limit values
BLV	Biological limit values (BGW, Austria)
BMGV	Biological Monitoring Guidance Value (EH40,UK).
BOD5	Biochemical oxygen demand within 5 days
BOD	Biochemical oxygen demand
bw	Body weight.
calcd.	Calculated
CAS	Chemical Abstract Service.
CEN	European Committee for Standardization
CESIO	European Committee on Organic Surfactants and their Intermediates.
COD	Chemical oxygen demand
CLP	Classification, Labeling and Packaging REGULATION (EC) No 1272/2008 on classification, labeling and packaging of substances and mixtures.
CMR	Carcinogenic, Mutagenic or Reproduction Toxic Substances
CSA	Chemical safety assessment
CSR	Chemical Safety Report.
DMEL	Derived Minimum Effect Level.
DNEL	Derived no effect level
EAC	European waste catalogue
EC	European community
EC50	Effective concentration
EINECS	European Inventory of Existing Commercial Chemical Substances.
ELINCS	European List of Notified Chemical Substances.

EN	European norm.
EU	European Union
GLP	Good Laboratory Practice.
GHS	Globally Harmonized System of Classification and Labeling of Chemicals.
GW/VL	Occupational exposure limit value.
GW-kw/VL-cd	Occupational exposure limit value - short term.
GW-M/VL-M	Occupational exposure limit value – "Ceiling".
IATA	International Air Transport Association
IBC code	International Bulk Chemical (Code) (International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk).
ICAO	International Civil Aviation Organization
IC50	Inhibition Concentration 50%.
IECSC	Inventory of Existing Chemical Substances in China.
IMDG	International Maritime Dangerous Goods
ISO	International Standards Organization.
IUPAC	International Union of Pure and Applied Chemistry
LC50	Lethal Concentration 50%.
LCLo	Lowest published lethal concentration.
LD50	Lethal Dose 50%.
LOAEL	Lowest Observed Adverse Effect Level
LOEC	Lowest observable effect concentration.
LOEL	Lowest observable effect level.
LQ	Limited quantities
TRK-Kzw	Threshold limit value - Short-term exposure limit / Technical reference concentration - short-time value, Austria.
MAK-Mow	Maximum allowable workplace concentration – instantaneous value, Austria.
MAK-Tmw, TRK-Tmw	Maximum allowable workplace concentration – daily mean value / Technical standard concentration – daily mean value, Austria.
MAK	Threshold limit values Germany.
MARPOL	International Convention for the Prevention of Pollution from Ships.
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
NOEL	no-observed-effect level
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limits
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
POCP	Photochemical ozone creation potential.
POP	Persistent Organic Pollutants
PPE	Personal protective equipment
REACH	Registration, Evaluation and Authorization of Chemicals (REGULATION (EC) No 1907/2006 concerning Registration, Evaluation Authorization and Restriction of Chemicals).
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SCL	Specific concentration limit.
STEL	Short-term Exposure Limit
STP	Sewage treatment plant

SVHC	Substance of Very High Concern.
TLV	Threshold Limit Value
TRGS	Technical Rules for Hazardous Substances (German Standard).
TWA	Time Weighted Average
UVCB	Substances of Unknown or Variable composition, Complex reaction products or Biological materials
VbF	Ordinance on Flammable Liquids, Austria
VOC	Volatile organic compounds
vPvB	Very Persistent and Very Bioaccumulative
WEL-TWA	Workplace Exposure Limit-Long term exposure limit (8-hour TWA(=time weighted average)reference period).
WEL-STEL	Workplace Exposure Limit-Short term exposure limit (15-minute reference period).

**Data sources** REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006..

**Training advice** Normal use of this product shall imply use in accordance with the instructions on the packaging

#### Full text of H- and EUH-statements

Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4.
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4.
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4.
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3.
Eye Dam. 1	Serious eye damage/eye irritation, Category 1.
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2.
Met. Corr. 1	Corrosive to metals, Category 1.
Skin Corr. 1A	Skin corrosion/irritation, Category 1A.
Skin Corr. 1B	Skin corrosion/irritation, Category 1B.
Skin Irrit. 2	Skin corrosion/irritation, Category 2.
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation.
H290	May be corrosive to metals.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H412	Harmful to aquatic life with long lasting effects.

#### Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]

Skin Corr. 1B	H314	Calculation method
Eye Dam. 1	H318	

*The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.*



# Attachment to the Safety Data Sheet



**Product Name:** Universal Workshop Cleaner W2  
**Ford Int. Ref. No.:** 188570

**Page:** 1/1  
**Print Date:** 07.01.2019

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**Involved Products:**

	<b>Finiscode</b>	<b>Part number</b>	<b>Container Size:</b>
1.	1 770 442	A94SX 715820 BA	30 l