

# SAFETY DATA SHEET

## WHITEBOARD PERMANENT INK & STAIN REMOVER 150ml

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

#### 1.1. Product identifier

**Product name** WHITEBOARD PERMANENT INK & STAIN REMOVER 150ml  
**Product number** KF01974,ZP  
**Internal identification** AWRS150QCA/B

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

**Identified uses** Cleaning Product  
**Uses advised against** At this moment in time we do not have information on use restrictions. They will be included in this safety data sheet when available

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

**Supplier** INTERACTION  
Jean-Baptiste de Ghellincklaan 23, box 101  
9051 Gent, BELGIUM  
+32 9 380 8248  
+32 9 380 8249  
info@interaction-connect.com

#### 1.4. Emergency telephone number

**Emergency telephone** + 32 93 80 82 48

### SECTION 2: Hazards identification

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

##### Classification

**Physical hazards** Aerosol 3 - H229  
**Health hazards** Acute Tox. 4 - H332  
**Environmental hazards** Not Classified

**Human health** Contact with liquefied gas might cause frostbites, in some cases with tissue damage.

#### 2.2. Label elements

##### Pictogram



**Signal word** Warning

**Hazard statements** H229 Pressurised container: may burst if heated  
H332 Harmful if inhaled.

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**Precautionary statements**

P251 Do not pierce or burn, even after use.  
 P261 Avoid breathing vapour/spray.  
 P271 Use only outdoors or in a well-ventilated area.  
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 P312 Call a POISON CENTER/doctor if you feel unwell.  
 P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.  
 P102 Keep out of reach of children.  
 P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

**Contains** 2-BUTOXYETHANOL, DISODIUM METASILICATE

### 2.3. Other hazards

This substance is not classified as PBT or vPvB according to current EU criteria.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

<b>2-BUTOXYETHANOL</b>	<b>1-5%</b>
CAS number: 111-76-2	EC number: 203-905-0
	REACH registration number: 01-2119475108-36-XXXX
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>
Eye Irrit. 2 - H319	Xn;R20/21/22 Xi;R36/38
Acute Tox. 4 - H332	
Skin Irrit. 2 - H315	
Acute Tox. 4 - H302	
Acute Tox. 4 - H312	
<b>1,1,1,2-TETRAFLUOROETHANE R134A</b>	<b>1-5%</b>
CAS number: 811-97-2	EC number: 212-377-0
	REACH registration number: 01-2119459374-33-XXXX
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>
Press. Gas, Liquefied - H280	-
<b>TRISODIUM NITRILOTRIACETATE</b>	<b>1-5%</b>
CAS number: 5064-31-3	EC number: 225-768-6
	REACH registration number: 01-2119519239-36-XXXX
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>
Acute Tox. 4 - H302	Carc. Cat. 3;R40 Xn;R22 Xi;R36
Skin Irrit. 2 - H315	
Eye Irrit. 2 - H319	
Carc. 2 - H351	

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<b>BUTANE</b> <span style="float: right;"><b>&lt;1%</b></span>		
CAS number: 106-97-8	EC number: 203-448-7	REACH registration number: 01-2119474691-32-XXXX
<b>Classification</b> Flam. Gas 1 - H220 Press. Gas	<b>Classification (67/548/EEC or 1999/45/EC)</b> F+;R12	
<b>MORPHOLINE</b> <span style="float: right;"><b>&lt;1%</b></span>		
CAS number: 110-91-8	EC number: 203-815-1	REACH registration number: 01-2119496057-30-XXXX
<b>Classification</b> Flam. Liq. 3 - H226 Acute Tox. 4 - H302 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Corr. 1B - H314 Eye Dam. 1 - H318	<b>Classification (67/548/EEC or 1999/45/EC)</b> R10 C;R34 Xn;R20/21/22	
<b>DISODIUM METASILICATE</b> <span style="float: right;"><b>&lt;1%</b></span>		
CAS number: 6834-92-0	EC number: 229-912-9	REACH registration number: 01-2119449811-37-XXXX
<b>Classification</b> Acute Tox. 4 - H302 Acute Tox. 3 - H331 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Carc. 2 - H351 STOT SE 3 - H335 STOT SE 3 - H335	<b>Classification (67/548/EEC or 1999/45/EC)</b> C;R34 Xi;R37	
<b>SODIUM NITRITE</b> <span style="float: right;"><b>&lt;1%</b></span>		
CAS number: 7632-00-0	EC number: 231-555-9	REACH registration number: 01-2119471836-27-XXXX
M factor (Acute) = 1		
<b>Classification</b> Ox. Sol. 3 - H272 Acute Tox. 3 - H301 Eye Irrit. 2 - H319 Aquatic Acute 1 - H400	<b>Classification (67/548/EEC or 1999/45/EC)</b> O;R8 T;R25 N;R50	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

**Composition comments** No classified ingredients, or those having occupational exposure limits, present above the levels of disclosure.

### SECTION 4: First aid measures

## WHITEBOARD PERMANENT INK & STAIN REMOVER 150ml

### 4.1. Description of first aid measures

<b>Inhalation</b>	Move affected person to fresh air at once. Keep affected person warm and at rest. Get medical attention immediately.
<b>Ingestion</b>	Do not induce vomiting. Rinse mouth thoroughly with water.
<b>Skin contact</b>	Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing.
<b>Eye contact</b>	Remove any contact lenses and open eyelids wide apart. Rinse with water. Continue to rinse for at least 15 minutes and get medical attention.

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

<b>Inhalation</b>	Vapours in high concentrations are anaesthetic. Symptoms following overexposure may include the following: Headache. Fatigue. Dizziness. Central nervous system depression.
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### 4.3. Indication of any immediate medical attention and special treatment needed

<b>Notes for the doctor</b>	Treat symptomatically.
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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

<b>Suitable extinguishing media</b>	The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.
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### 5.2. Special hazards arising from the substance or mixture

<b>Specific hazards</b>	Vapours are heavier than air and may travel along the floor and accumulate in the bottom of containers. Vapours may be ignited by a spark, a hot surface or an ember. Containers can burst violently or explode when heated, due to excessive pressure build-up.
<b>Hazardous combustion products</b>	Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

### 5.3. Advice for firefighters

<b>Protective actions during firefighting</b>	Move containers from fire area if it can be done without risk.
<b>Special protective equipment for firefighters</b>	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

## SECTION 6: Accidental release measures

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

<b>Personal precautions</b>	Avoid inhalation of vapours and contact with skin and eyes.
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### 6.2. Environmental precautions

<b>Environmental precautions</b>	Do not discharge into drains or watercourses or onto the ground.
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### 6.3. Methods and material for containment and cleaning up

<b>Methods for cleaning up</b>	Absorb in vermiculite, dry sand or earth and place into containers.
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### 6.4. Reference to other sections

<b>Reference to other sections</b>	Wear protective clothing as described in Section 8 of this safety data sheet. See Section 11 for additional information on health hazards. Collect and dispose of spillage as indicated in Section 13.
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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

## WHITEBOARD PERMANENT INK & STAIN REMOVER 150ml

**Usage precautions** Provide adequate ventilation. Avoid inhalation of vapours. Use approved respirator if air contamination is above an acceptable level.

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

**Storage precautions** Store at moderate temperatures in dry, well ventilated area.

### 7.3. Specific end use(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

## SECTION 8: Exposure Controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limits

##### **2-BUTOXYETHANOL**

Long-term exposure limit (8-hour TWA): WEL 25 ppm 123 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 50 ppm 246 mg/m<sup>3</sup>

Sk

##### **1,1,1,2-TETRAFLUOROETHANE R134A**

Long-term exposure limit (8-hour TWA): WEL 1000 ppm 4240 mg/m<sup>3</sup>

##### **BUTANE**

Long-term exposure limit (8-hour TWA): WEL 600 ppm 1450 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 750 ppm 1810 mg/m<sup>3</sup>

##### **MORPHOLINE**

Long-term exposure limit (8-hour TWA): WEL 10 ppm 36 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 20 ppm 72 mg/m<sup>3</sup>

Sk

WEL = Workplace Exposure Limit

Sk = Can be absorbed through the skin.

### 8.2. Exposure controls

**Appropriate engineering controls** Provide adequate general and local exhaust ventilation. Observe any occupational exposure limits for the product or ingredients.

**Eye/face protection** The following protection should be worn: Chemical splash goggles. Personal protective equipment for eye and face protection should comply with European Standard EN166.

**Hand protection** Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. It is recommended that gloves are made of the following material: Nitrile rubber. To protect hands from chemicals, gloves should comply with European Standard EN374.

**Other skin and body protection** Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

**Hygiene measures** Use engineering controls to reduce air contamination to permissible exposure level. Provide eyewash station. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke. Do not smoke in work area.

**Respiratory protection** If ventilation is inadequate, suitable respiratory protection must be worn. Gas and combination filter cartridges should comply with European Standard EN14387.

## SECTION 9: Physical and Chemical Properties

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

**Appearance** Aerosol. Liquid.

## WHITEBOARD PERMANENT INK & STAIN REMOVER 150ml

<b>Colour</b>	Colourless.
<b>Odour</b>	Lemon.
<b>pH</b>	pH (concentrated solution): 7-8
<b>Initial boiling point and range</b>	> 100°C/212°F @
<b>Vapour pressure</b>	23.5 kPa @ 20°C/68°F
<b>Relative density</b>	0.860 - 0.870 @ 20°C/68°F
<b>Solubility(ies)</b>	
<b>Auto-ignition temperature</b>	> 750°C/1382°F

### 9.2. Other information

#### SECTION 10: Stability and reactivity

##### 10.1. Reactivity

**Reactivity** There are no known reactivity hazards associated with this product.

##### 10.2. Chemical stability

**Stability** Stable at normal ambient temperatures and when used as recommended.

##### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** Not available. Will not polymerise.

##### 10.4. Conditions to avoid

**Conditions to avoid** Avoid heat, flames and other sources of ignition. Avoid contact with acids and alkalis.

##### 10.5. Incompatible materials

**Materials to avoid** No specific material or group of materials is likely to react with the product to produce a hazardous situation.

##### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Thermal decomposition or combustion products may include the following substances: Carbon monoxide (CO). Hydrogen fluoride (HF). Carbonyl fluoride

#### SECTION 11: Toxicological information

##### 11.1. Information on toxicological effects

**Other health effects** There is no evidence that the product can cause cancer.

##### Acute toxicity - oral

**ATE oral (mg/kg)** 14,848.73156812

##### Acute toxicity - dermal

**ATE dermal (mg/kg)** 23,231.25659979

##### Acute toxicity - inhalation

**ATE inhalation (vapours mg/l)** 15.28307066

**General information** No specific health hazards known.

##### **Inhalation**

Gas or vapour in high concentrations may irritate the respiratory system. Symptoms following overexposure may include the following: Headache. Fatigue. Nausea, vomiting.

## WHITEBOARD PERMANENT INK & STAIN REMOVER 150ml

**Skin contact** May cause sensitisation by skin contact.

### Toxicological information on ingredients.

#### 2-BUTOXYETHANOL

##### Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub> mg/kg) 1,746.0

Species Rat

ATE oral (mg/kg) 500.0

##### Acute toxicity - dermal

Acute toxicity dermal (LD<sub>50</sub> mg/kg) 6,411.0

Species Rabbit

ATE dermal (mg/kg) 1,100.0

##### Acute toxicity - inhalation

Acute toxicity inhalation (LC<sub>50</sub> vapours mg/l) 0.75

Species Rat

ATE inhalation (vapours mg/l) 0.75

##### Carcinogenicity

IARC carcinogenicity IARC Group 3 Not classifiable as to its carcinogenicity to humans.

#### TRISODIUM NITRILOTRIACETATE

##### Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub> mg/kg) 1,740.0

Species Rat

ATE oral (mg/kg) 1,740.0

### **SECTION 12: Ecological Information**

**Ecotoxicity** Not regarded as dangerous for the environment.

#### 12.1. Toxicity

**Acute toxicity - fish** No information required.

**Acute toxicity - aquatic invertebrates** No information required.

**Acute toxicity - aquatic plants** No information required.

**Acute toxicity - microorganisms** No information required.

### Ecological information on ingredients.

## WHITEBOARD PERMANENT INK & STAIN REMOVER 150ml

### 2-BUTOXYETHANOL

<b>Acute toxicity - fish</b>	LC <sub>50</sub> , 96 hours: 1700 mg/l, Fish
<b>Acute toxicity - aquatic invertebrates</b>	EC <sub>50</sub> , 48 hours: >1000 mg/l, Daphnia magna
<b>Acute toxicity - aquatic plants</b>	IC <sub>50</sub> , 72 hours: 500 mg/l, Algae

#### 12.2. Persistence and degradability

**Persistence and degradability** There are no data on the degradability of this product.

#### 12.3. Bioaccumulative potential

**Bioaccumulative potential** No data available on bioaccumulation.

#### 12.4. Mobility in soil

**Mobility** The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces.

#### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** This product does not contain any substances classified as PBT or vPvB.

#### 12.6. Other adverse effects

**Other adverse effects** Not available.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

**General information** Do not puncture or incinerate, even when empty.

**Disposal methods** Empty containers must not be punctured or incinerated because of the risk of an explosion. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

### SECTION 14: Transport information

#### 14.1. UN number

**UN No. (ADR/RID)** 1950

**UN No. (IMDG)** 1950

**UN No. (ICAO)** 1950

**UN No. (ADN)** 1950

#### 14.2. UN proper shipping name

**Proper shipping name (ADR/RID)** AEROSOLS

**Proper shipping name (IMDG)** AEROSOLS

**Proper shipping name (ICAO)** AEROSOLS

**Proper shipping name (ADN)** AEROSOLS

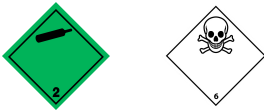
#### 14.3. Transport hazard class(es)



## WHITEBOARD PERMANENT INK & STAIN REMOVER 150ml

ADR/RID class	2.2
ADR/RID subsidiary risk	6.1
ADR/RID classification code	5T
ADR/RID label	2.2
IMDG class	2.2
IMDG subsidiary risk	6.1
ICAO class/division	2.2
ICAO subsidiary risk	6.1
ADN class	2.2
ADN subsidiary risk	6.1

### Transport labels



### 14.4. Packing group

ADR/RID packing group	None
IMDG packing group	None
ADN packing group	None
ICAO packing group	None

### 14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

### 14.6. Special precautions for user

EmS	F-D, S-U
ADR transport category	1
Tunnel restriction code	(D)

### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

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 substance or mixture

<b>National regulations</b>	The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).
	The Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No. 2677) (as amended).
	The Aerosol Dispensers Regulations 2009 (SI 2009 No. 2824).

## WHITEBOARD PERMANENT INK & STAIN REMOVER 150ml

<b>EU legislation</b>	<p>Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council 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).</p> <p>Commission Decision 2000/532/EC as amended by Decision 2001/118/EC establishing a list of wastes and hazardous waste pursuant to Council Directive 75/442/EEC on waste and Directive 91/689/EEC on hazardous waste with amendments.</p> <p>Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).</p> <p>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 (as amended).</p>
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**Guidance** Workplace Exposure Limits EH40.

**Authorisations (Title VII Regulation 1907/2006)** No specific authorisations are known for this product.

**Restrictions (Title VIII Regulation 1907/2006)** No specific restrictions on use are known for this product.

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

### SECTION 16: Other information

<b>Issued by</b>	Toni Ashford
<b>Revision date</b>	02/11/2015
<b>Revision</b>	3
<b>SDS number</b>	13523
<b>Risk phrases in full</b>	<p>Not classified.</p> <p>R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.</p> <p>R25 Toxic if swallowed.</p> <p>R36/38 Irritating to eyes and skin.</p> <p>R50 Very toxic to aquatic organisms.</p> <p>R8 Contact with combustible material may cause fire.</p>

## WHITEBOARD PERMANENT INK & STAIN REMOVER 150ml

<b>Hazard statements in full</b>	H220 Extremely flammable gas.
	H226 Flammable liquid and vapour.
	H229 Pressurised container: may burst if heated
	H272 May intensify fire; oxidiser.
	H272 May intensify fire; oxidiser.
	H280 Contains gas under pressure; may explode if heated.
	H301 Toxic if swallowed.
	H301 Toxic if swallowed.
	H302 Harmful if swallowed.
	H302 Harmful if swallowed.
	H312 Harmful in contact with skin.
	H312 Harmful in contact with skin.
	H314 Causes severe skin burns and eye damage.
	H314 Causes severe skin burns and eye damage.
	H315 Causes skin irritation.
	H315 Causes skin irritation.
	H318 Causes serious eye damage.
	H318 Causes serious eye damage.
	H319 Causes serious eye irritation.
	H319 Causes serious eye irritation.
	H331 Toxic if inhaled.
	H331 Toxic if inhaled.
	H332 Harmful if inhaled.
	H332 Harmful if inhaled.
	H335 May cause respiratory irritation.
	H335 May cause respiratory irritation.
	H351 Suspected of causing cancer.
	H351 Suspected of causing cancer.
	H400 Very toxic to aquatic life.
	H400 Very toxic to aquatic life.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.