

1. **Identification of the Substances or Preparation and of the Company**1.1 Identification of preparation: **Dye Gone Solution A**1.1.2 Date of Revision: June 2nd 2010 Revision No:1

1.1.3 Use of preparation: Spotting/Cleaning Agent

1.2 Company identification:

Chemspec Europe
 Unit 36C, Tong Park
 Otley Road, Baildon
 West Yorkshire BD17 7QD UK
 Tel: 01274 597333
 Fax: 01274 597444

1.3 Emergency telephone number, official advisory bodies:

1.3.1 For medical emergency call Chemspec Europe Ltd +44 (0) 1274 597333 (office hours)

2. **Composition/Information on Ingredients**

2.1 Chemical Description: Ammonia 10% solution (Spotting/Cleaning Solution)

2.2 **Hazards Identification**

Chemical Name	%	CAS-No.	index#	Hazard Symbol	R-Phrases
Ammonia	10	1336-21-6	007-001-01-2	Corrosive	34,

2.3 **Classification of the substance or mixture**

Classification under CHIP: C: R34

Classification under CLP: Skin Corr: 18: H314

Most important adverse effects: Causes burns.

2.4 **Label Elements**

Label elements under CLP:

Hazard statements H314: Causes severe skin burns and eye damage.

Signal words Danger

Hazard pitograms: GH505: Corrosion



Precautionary statements:

P264: Wash hands thoroughly after handling.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P305 + 351+338: IF IN EYES .: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P405 Store locked up.

P501: Dispose of contents /container to an approved waste disposal site.

Label elements under CHIP:

Hazard Symbols: Corrosive



(cont.....)

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Risk phrases:

R34: Causes Burns

Safety phrases:

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.

S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label wherever possible.)

2.5. Other Hazards:

PBT: This substance is not identified as a PBT substance.

3. Composition/ information on ingredients

3.1 Mixtures

Hazardous ingredients

AMMONIA 20% SOLUTION

EINECS	CAS	CHIP Classification	CLP Classification	Percent
-	1336-21-6	C:R34	Skin Corr: 1B: H314	30-50%

4. First Aid measures

Description of first aid measures

- 4.1 Inhalation: Remove casualty from exposure, ensuring ones own safety whilst doing so. If unconscious and breathing is okay, place in the recovery position. If conscious ensure the casualty sits or lies down. If breathing becomes bubbly, have the casualty sit and provide oxygen if available. Transfer to hospital as soon as possible.
- 4.2 Eye contact: Bathe the eye with water for at least 15 minutes. Transfer to hospital for specialist examination.
- 4.3 Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Transfer to hospital if there are burns or symptoms of poisoning.
- 4.4 Ingestion: Wash out mouth with water. Do not induce vomiting . Give 1 cup of water to drink every 10 minutes. If unconscious check for breathing and apply artificial respiration if necessary. If unconscious and breathing is okay, place in the recovery position. Transfer to hospital as soon as possible.

Most important symptoms and effects both acute and delayed

- 4.5 Skin Contact: Blistering may occur. Progressive ulceration will occur if treatment is not immediate.
- 4.6 Eye Contact: Corneal burns may occur. May cause permanent damage.
- 4.7 Ingestion: Corrosive burns may appear around the lips. Blood may be vomited . There may be bleeding from the mouth and nose
- 4.8 Inhalation: There may be shortness of breath with a burning sensation in the throat. Exposure may cause coughing or wheezing.
- 4.9 Delayed/immediate effects: Immediate effects can be expected after short term exposure. Indication of any immediate medical attention and special treatment needed.
- 4.10 Immediate/special treatment: Eye bathing equipment should be available on the premises.

(cont...)

5. Fire Fighting Measures

Extinguishing media

5.1 Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

Special hazards arising from the substance or mixture

5.2 Special exposure hazards: Corrosive in combustion emits toxic fumes.

Advice for fire fighters

5.3 Advice for fire fighters: Wear self contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures.

Personal precautions: Notify the police and fire brigade immediately. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable protective clothing – see section 8 of SDS. Turn leaking containers leek side up to prevent the escape of liquid

6.2 Environmental Precautions

Environmental precautions: Do not discharge into drains or rivers . Contain the spillage using bunding.

6.3 Methods and material for containment and cleaning up

Clean-up procedures. Should be dealt with only by qualified personnel familiar with the specific substance. Absorb into dry earth or sand. Transfer to a closable, labeled salvage container for disposal by an appropriate method .

6.4 Reference to other sections

Reference to other sections: Refer to section 8 of Safety Data Sheet.

7. Handling and Storage

7.1 Precautions for safe handling

Handling requirements: Avoid direct contact with this substance . Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions: Store in cool well ventilated area. Keep container tightly closed

Suitable packaging: Do not use aluminium containers.

7.3 Specific end use(s)

Specific end use(s): No data available

8. Exposure Controls/Personal Protection

8.1. Control Peramiters

Workplace exposure limits: Not applicable

8.2 Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area

Respiratory protection: Self-contained breathing apparatus must be available in case of emergency.

Hand protection: Impermeable gloves.

Eye protection: Tightly fitting safety goggles. Ensure eye bath is to hand.

Skin protection: Impermeable protective clothing.

9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

State: Liquid

Color: Colorless

Odor: Pungent

(cont...)

Oxidising: Non-oxidising (by EC criteria)
 Viscosity: Non -viscous
 pH: 12
 Flammability limits % lower: 16 upper : 27
 Relative density: 0.9
 Autoflammability in C: 650
 Vapour pressure: 115mm @ 20 degrees C

9.2 Other information

Other information: Not applicable

10. **Stability and Reactivity**

10.1 Reactivity

Reactivity: Stable under recommended transport or strong conditions

10.2 Chemical stability

Chemical stability : Stable under normal conditions

10.3 Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.

10.4 Conditions to avoid

Conditions to avoid: Heat

10.5 Materials to avoid

Materials to avoid: Strong oxydising agents . Strong acids.

10.6 Hazardous decomposition products

Haz. decomp. products: in combustion emits toxic fumes.

11. **Toxicological Information**

11.1 Information on toxicological effects

Relevant effects for mixture

Effect	Route	Basis
Corrosivity	OPT INH DRM	Hazardous: calculated

11.2 Symptoms / routes of exposure

Delayed /immediate effects: Immediate effects can be expected after short term exposure.

Skin contact: Progressive ulceration will occur if treatment is not immediate. Blistering may occur.

Eye Contact: Corneal burns may occur. May cause permanent damage .

Ingestion Corrosive burns may appear around the lips. Blood may be vomited. There may be bleeding from the mouth or nose.

Inhalation : There may be shortness of breath with a burning sensation in the throat. Exposure may cause coughing and wheezing.

12. **Ecological Information**

12.1 Toxicity

Ecotoxicity values: Not applicable

12.2 Persistence and degradability

Persistence and degradability: Biodegradable.

12.2 Bioaccumulation potential

Bio-accumulation: No bioaccumulation potential.

12.4 Mobility in soil

Mobility in Soil: Readily absorbed into soil.

12.5 Results of PBT and vPvB assessment

PBT identification: This substance is not identified as a PBT substance.

12.6 Other adverse effects

Other adverse effects: Negligible ecotoxicity

13. **Disposal considerations**

13.1 Waste treatment methods

(cont..)

3.1 Disposal operations: Transfer to a suitable container and arrange for collection by specialist disposal company.

NB: The users attention is drawn to the possible existence of regional or national regulations regarding disposal.

14. **Transport Information**

UN number : UN2672

UN proper shipping name: Ammonia Solution

Transport Class: 8

Packing group: 111

*

14.1 Environmentally hazardous : No Marine Pollutant: No

14.2 No special precautions for user

Tunnel code E

Transport category 3

15. **Regulatory Information**

Chemical Safety Assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier

15. **Regulations**

Label elements under CHIP

15.1 This safety data sheet is prepared in accordance with the commission Regulation (EU) No 453/2010

15.2 Symbol: Corrosive



15.3 R-Sentences:

R34: Causes burns

15.4 S-Sentences:

S2: Keep out of reach of children.

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S36, S37,S39: Wear suitable protective clothing. Gloves and eye/face protection.

S45: In case of accident or if you feel unwell, seek medical advice immediately (Show the label where possible)

16. **Other Information**

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010

- indicates text in the SDS which has changed since the last revision.

Phrases used in 2 & 3

H314: Causes severe skin burns and eye damage

R34: Causes burns

DISCLAIMER OF LIABILITY

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product. The manufacturer and seller warrants that this product conforms to its standard specifications when used according to directions. As the conditions or methods of use are beyond our control, we do not assume any responsibility and expressly disclaim any liability for use of this product. Information contained herein is believed to be true and accurate but all statements or suggestions are made without any warranty, expressed or implied, regarding accuracy of the information, the hazards connected with the use of the material and the results to be obtained from the use thereof.

1. Identification of the Substances or Preparation and of the Company1.1 Identification of preparation: **Dye Gone Solution B**1.1.2 Date of Revision: February 3rd 2011

1.1.3 Use of preparation: Spotting /Cleaning Agent

1.2 Company identification:

Chemspec Europe

Unit 36C, Tong Park

Otley Road, Baildon

West Yorkshire BD17 7QD UK

Tel: 01274 597333

Fax: 01274 597444

1.3 Emergency telephone number, official advisory bodies:

1.3.1 For medical emergency call Chemspec Europe Ltd +44(0)1274 597333 (office hours)

2. Hazards Identification

Classification of the substance or mixture

Chemical Description: Hydrogen Peroxide 35%

Hazardous Ingredients:

Chemical Name	%	CAS-No.	EC#	Hazard Symbol	R-Phrases
Hydrogen Peroxide	35	7722-84-1	231-765-0	harmful	22,37,38 ,41

Classification under CHIP: Xn; R22; Xi; R37/38, Xi: R41

Classification under CLP: Acute Tox, 4 H302; Eye dam. 1: H318; Skin Irrit. 2: H315

Most important harmful effects: Harmful if swallowed. Irritating to respiratory system and skin. Risk of serious damage to eyes.

2.2 Label Elements

Label elements under CLP

Hazard statements H302: Harmful if swallowed

H315: Causes skin irritation

H318: Causes serious eye damage

Signal words Danger

Hazard pictograms GH505: Corrosion

GH507: Exclamation mark

**2.4. Precautionary statements**

P264. Wash hands thoroughly after handling

P270. Do not eat, drink or smoke when using the product

P280. Wear protective gloves protective clothing/eye protection/face protection.

P301 + 310. IF SWALLOWED: Immediately call a POISON CENTRE or doctor.

P305 + 351+ 338: 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 POISON CENTRE or doctor

P330: Rinse mouth.

2.5 Label elements under CHIP

Hazard Symbol: Harmful



(Cont..)

R-Sentences:

- R22: Harmful if swallowed.
- R37 /38: Irritating to respiratory system and skin.
- R41: Risk of serious damage to eyes.

S-Sentences:

- S2: Keep out of reach of children.
- S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advise.
- S39: Wear eye/face protection.

2.6 **Other hazards**

PBT: This substance is not identified as a PBT substance

3. **Composition/ Information on Ingredients**

Mixtures

Hazardous Ingredients

Hydrogen Peroxide Solution

EINECS	CAS	CHIP Classification	CLP Classification	Percent
231-765-0	7722-84-1	-: R5, 0: R8; Xn: R20/22;C: R35	Ox. Liq. 1: H271; Acute Tox. 4: H332; Acute Tox. 4: H302; Skin Corr. 1A: H314	30-50%

4. **First Aid Measures**

- 4.1 **Inhalation:** Remove casualty from exposure ensuring ones own safety whilst doing so. If unconscious check for breathing and apply artificial respiration if necessary. If unconscious and breathing is okay, place in the recovery position. If conscious, ensure the casualty sits or lies down. If breathing becomes bubbly, have the casualty sit and provide oxygen if available. Transfer to hospital as soon as possible. *
- 4.2 **Eye contact:** Bathe the eye with running water for at least 15 minutes. Transfer to hospital for specialist examination.
- 4.3 **Skin contact:** Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Transfer to hospital if there are burns or symptoms of poisoning.
- 4.4 **Ingestion:** Do not induce vomiting . Give 1 cup of water to drink every 10 minutes. If unconscious check for breathing and apply artificial respiration if necessary. If unconscious and breathing is okay, place in the recovery position. Transfer to hospital as soon as possible.
- 4.5 **Most important symptoms and effects, both acute and delayed**
- 4.6 **Delayed /immediate effects:** Immediate effects can be expected after short term exposure.
- 4.7 **Skin contact:** Irritation or pain may occur at the site of contact. Blistering may occur. Severe burns may occur.
- 4.8 **Eye contact:** There may be irritation and redness. The eyes may water profusely. Corneal urns may occur. *
- 4.9 **Ingestion:** There may be soreness and redness of the mouth and throat. There may be difficulty swallowing. Corrosive burns may appear around the lips. Nausea and stomach pain may occur. There may be vomiting.
- 4.10 **Inhalation:** There may be a feeling of tightness in the chest with shortness of breath. Exposure may cause coughing or wheezing . There may be congestion of the lungs causing severe shortness of breath . There may be loss of consciousness.
- 4.11 **Indication of any immediate medical attention and special treatment needed**
Immediate/ special treatment : Eye bathing equipment should be available on the premises.
- 5. **Fire Fighting Measures**
- 5.1 **Suitable extinguishing media:** Dry chemical powder, Carbon dioxide, alcohol or polymer foam.
- 5.2 **Advice for fire fighters:** Wear self contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.
- 5.3 **Special exposure hazards:** Corrosive, in combustion emits toxic fumes.

(cont..)

6. **Accidental Release Measures**

Personal precautions: Eliminate all sources of ignition. Mark out the contaminated area with signs and prevent access to unauthorised personnel

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

Methods and material for containment and cleaning up

Clean up procedures: Clean-up should be dealt with only by qualified personnel familiar with the specific substance. Refer to section 13 of SDS for suitable method of disposal.

Reference to other sections

Refer to section 13 of SDS

7. **Handling and Storage**

7.1 Precautions for safe handling.

Handling requirements: Ensure there is sufficient ventilation of the area. Avoid direct contact with the substance. Smoking is forbidden.

7.2 Conditions for safe storage, including any incompatibilities.

Storage conditions: Store in cool, well ventilated area. Keep container tightly closed. Keep away from sources of ignition.

Suitable packaging: Must only be kept in original packaging.

7.3 Specific end use(s)

Specific end use{s}: No data available.

8. **Exposure Controls/Personal Protection**8.1 **Control Parameters**

Workplace exposure limits: Respirable dust

	8 hour TWA	15 min. STEL:	8 hour TWA:	15 min. STEL:
UK	1.4mg/m ³	2.8mg/m ³		

Hazardous ingredients:

Hydrogen Peroxide 100%

Workplace exposure limits: Respirable dust

	8 hour TWA:	15 min. STEL:	8 hour TWA:	15 min. STEL:
UK	1.4 mg/m ³	2.8 mg/m ³		

8.2 **Exposure controls**

8.3 Engineering measures: Ensure there is sufficient ventilation of the area

8.4 Respiratory protection: Self-contained breathing apparatus must be available in case of emergency.

8.5 Hand protection: Protective gloves.

8.6 Eye protection: Safety goggles. Face shield. Ensure eye bath is to hand.

8.7 Skin protection: Protective clothing with elasticated cuffs and closed neck. Boots made of PVC. PVC apron covering the tops of the boots. Ensure safety shower is to hand.

9. **Physical and Chemical Properties**

9.1.1 State: Liquid

9.1.2 Colour: Colorless

9.1.3 Odour: Pungent

9.2 pH: <3

9.3 Boiling point/boiling range in °C: 126

9.4 Solubility in water: Miscible in all proportions

9.5 Melting point in °C: -40

9.6 Oxidizing: Oxidizing (by EC criteria)

10. **Stability and Reactivity**

10.1 Reactivity: Stable under recommended transport or strong conditions

10.2 Chemical stability : Unstable

10.3 Conditions to avoid: Heat

10.4 Incompatible materials: Materials to avoid Reducing agents, organic materials. (cont..)

10.5 Hazardous decomposition products: In combustion emits toxic fumes of carbon dioxide/carbon monoxide.

11. **Toxicological Information**

Information on toxicological effects

Relevant effects for mixture:

Effects	Route	Basis
Acute Toxicity (harmful)	ING	Hazardous: calculated
Irritation	INH DRM	Hazardous: calculated

Symptoms and routes of exposure

Skin contact: Irritation or pain may occur at the site of the contact. Blistering may occur. Severe burns may occur.

Eye contact: There may be irritation and redness. The eyes may water profusely. Corneal burns may occur.

Ingestion: There may be soreness and redness of the mouth and throat. There may be difficulty swallowing. Corrosive burns may appear around the lips. Nausea and stomach pain may occur. There may be vomiting.

Inhalation: There may be a feeling of tightness in the chest with shortness of breath. Exposure may cause coughing or wheezing. There may be congestion of the lungs causing severe shortness of breath. There may be a loss of consciousness.

Delayed /immediate effects: Immediate effects can be expected after short term exposure.

12. **Ecological Information**

Toxicity

Ecotoxicity values:

Species	Test	Value	Units
FISH	96H LC50	16-37	mg/l
DAPHNIA	48H EC50	2.4 -7 0	mg/l
ALGAE	-	1.7	mg/l

12.1 Water-Hazard class: None (U.S.)

12.2 Persistence and degradability: Photodegradable.

12.3 Bio-accumulation potential: No bioaccumulation potential.

12.4 Other adverse effects: Harmful to fauna.

12.5 Results of PBT and vPvB assessment: This substance is not identified as a PBT substance.

13. **Disposal Considerations**

13.1 Waste treatment methods: Dispose of in accordance with local regulations.

13.2 **NB:** The users attention is drawn to the possible existence of regional or national regulations regarding disposal.

14. **Transport Information**

UN number : UN2014

UN proper shipping name: Hydrogen Peroxide Aqueous Solution

Transport Class: 5.1 + 8 (8)

14.1 Environmental hazards : No Marine pollutant: No

14.2 Special precautions: No special precautions

Tunnel code: E

Transport category: 2

15. **Regulatory information**

Safety, health and environmental regulations/legislation specific for the substance or mixture
Chemical safety assessment: A chemical safety assessment has not been carried out for the substance by the supplier

Other information

Other information: This safety data sheet is prepared in accordance with the Commission Regulation (EU) No 453/2010

- indicates text in the SDS which has changed since the last revision.

Phrases used in 2 & 3

H271: May cause fire or explosion, strong oxidizer.

(cont...)

H302: Harmful if swallowed.
H314: Causes severe skin burns and eye damage.
H315: Causes skin irritation.
H318: Causes serious eye damage.
H332: Harmful if inhaled.
R5: Heating may cause an explosion.
R8: Contact with combustible material may cause fire.
R20/22: Harmful by inhalation and if swallowed.
R35: Causes severe burns.
R37/38: Irritating to respiratory system and skin
R41: Risk of serious damage to eyes

16. Label elements under CHIP

Symbol: Harmful



R-Sentences:

R22: Harmful if swallowed.
R37 /38: Irritating to respiratory system and skin.
R41: Risk of serious damage to eyes.

S-Sentences:

S2: Keep out of reach of children.
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advise.
S37: Wear suitable gloves.
S39: Wear eye/face protection.

DISCLAIMER OF LIABILITY

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

The manufacturer and seller warrants that this product conforms to its standard specifications when used according to directions. As the conditions or methods of use are beyond our control, we do not assume any responsibility and expressly disclaim any liability for use of this product. Information contained herein is believed to be true and accurate but all statements or suggestions are made without any warranty, expressed or implied, regarding accuracy of the information, the hazards connected with the use of the material and the results to be obtained from the use thereof.