



SAFETY DATA SHEET

WR-REPLENISHER

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Compilation date: 19/1/05

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Revision No: 5

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name: WR-REPLENISHER

Product code: A1005

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

Use of substance / mixture: Replenisher for liquid paint stripping medium.

1.3. Details of the supplier of the safety data sheet

Company name: Confederate Chemicals Ltd

Mochdre Industrial Estate

Newtown

Powys

SY16 4LE

Tel: 01686 627158

Email: lab@confederatechemicals.co.uk

1.4. Emergency telephone number

Emergency tel: 01686 627158

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CHIP: Xn: R20/22; C: R35

Classification under CLP: Acute Tox. 4: H302+332; Skin Corr. 1A: H314; STOT RE 2: H373

Most important adverse effects: Harmful by inhalation and if swallowed. Causes severe burns.

2.2. Label elements

Label elements:

Hazard statements: H302+332: Harmful if swallowed or if inhaled.

H314: Causes severe skin burns and eye damage.

H373: May cause damage to organs through prolonged or repeated exposure.

Signal words: Danger

Hazard pictograms: GHS05: Corrosion

GHS07: Exclamation mark

GHS08: Health hazard



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Precautionary statements: P260: Do not breathe dust/fumes/gas/mist/vapours/spray.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P301+312: IF SWALLOWED: Call a POISON CENTER/doctor/ if you feel unwell.
P301+330+331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303+361+353: IF ON SKIN (or hair): Take off immediately all contaminated clothing.
Rinse skin with water/shower.
P304+340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Label elements under CHIP:

Hazard symbols: Corrosive.



Risk phrases: R20/22: Harmful by inhalation and if swallowed.
R35: Causes severe 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 where possible).

2.3. Other hazards

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

BENZYL ALCOHOL - REACH registered number(s): 01-2119492630-38

EINECS	CAS	CHIP Classification	CLP Classification	Percent
202-859-9	100-51-6	Xn: R20/22	Acute Tox. 4: H332; Acute Tox. 4: H302	50-70%

MONO ETHYLENE GLYCOL

203-473-3	107-21-1	Xn: R22	Acute Tox. 4: H302; STOT RE 2: H373	10-30%
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POTASSIUM HYDROXIDE FLAKE

215-181-3	1310-58-3	C: R35; Xn: R22	Acute Tox. 4: H302; Skin Corr. 1A: H314	10-30%
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BUTYL DIGLYCOL

203-961-6	112-34-5	Xi: R36	Eye Irrit. 2: H319	1-10%
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Section 4: First aid measures

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4.1. Description of first aid measures

- 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.
- Eye contact:** Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.
- 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 OK, place in the recovery position. Transfer to hospital as soon as possible.
- Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. If unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, 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. Most important symptoms and effects, both acute and delayed

- Skin contact:** Irritation or pain may occur at the site of 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 loss of consciousness.

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

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

Immediate / special treatment: Eye bathing equipment should be available on the premises.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Carbon dioxide. Alcohol or polymer foam. Dry chemical powder.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: Corrosive. In combustion emits toxic fumes.

5.3. Advice for fire-fighters

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

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Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Mark out the contaminated area with signs and prevent access to unauthorised personnel.

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: Absorb into dry earth or sand. Transfer to a suitable container. Dispose of as Special Waste.

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS.

Section 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.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a 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.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Workplace exposure limits: No data available.

DNEL/PNEC Values

DNEL / PNEC No data available.

8.2. Exposure controls

Engineering measures: Ensure there is sufficient local exhaust ventilation.

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

Hand protection: Protective gloves.

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

Skin protection: Protective clothing with elasticated cuffs and closed neck. Boots made of PVC. Ensure safety shower is to hand.

Section 9: Physical and chemical properties

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9.1. Information on basic physical and chemical properties

State: Liquid
Colour: Yellow
Odour: Faint
Oxidising: Non-oxidising (by EC criteria)
Solubility in water: Partial
Boiling point/range°C: 185 - 230
Relative density: 1.145 - 1.155
Flash point°C: >90
pH: 14 as received

9.2. Other information

Other information: No data available.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Will absorb moisture from the air.

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: Moist air.

10.5. Incompatible materials

Materials to avoid: Strong acids. Finely powdered metals. Aluminium. Magnesium.

10.6. Hazardous decomposition products

Haz. decomp. products: Potassium Hydroxide reacts with Aluminium and Magnesium with the evolution of Hydrogen, especially in the presence of water. Hydrogen can form explosive mixtures in air.

Section 11: Toxicological information

11.1. Information on toxicological effects

Hazardous ingredients:

BENZYL ALCOHOL

IVN	RAT	LD50	53	mg/kg
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ORL	MUS	LD50	1360	mg/kg
ORL	RAT	LD50	1230	mg/kg

MONO ETHYLENE GLYCOL

ORL	RAT	LD50	6000-13000	mg/kg
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BUTYL DIGLYCOL

ORL	RAT	LD50	6.6	g/kg
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Relevant effects for mixture:

Effect	Route	Basis
Acute toxicity (harmful)	INH ING	Hazardous: calculated
Corrosivity	OPT INH DRM	Hazardous: calculated

Symptoms / routes of exposure

Skin contact: Irritation or pain may occur at the site of 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 loss of consciousness.

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

Section 12: Ecological information

12.1. Toxicity

Hazardous ingredients:

BUTYL DIGLYCOL

DAPHNIA	48H EC50	>1000	mg/l
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12.2. Persistence and degradability

12.3. Bioaccumulative potential

12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

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12.6. Other adverse effects

Other adverse effects: Contains no substance classified as Dangerous for the Environment in the Chemicals (Hazard Information and Packaging) Regulations 2002, or subsequent amendments.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: If waste is in the form of a solid filtercake, with <2% Potassium Hydroxide, it may be suitable for Special Waste Landfill. Filter cake with <1% Potassium Hydroxide and <25% Benzyl Alcohol, may be considered Controlled Waste.

Recovery operations: Rinse water may be suitable for discharge to sewer, if its quality falls within a consent limit set by the waste disposal company. Consult licensed disposal company to agree limits before discharge.

Waste code number: 080107 (Stripped residues)

Disposal of packaging: All residues must be removed from packaging prior to disposal as controlled waste.

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

Section 14: Transport information

14.1. UN number

UN number: UN1814

14.2. UN proper shipping name

Shipping name: POTASSIUM HYDROXIDE SOLUTION

14.3. Transport hazard class(es)

Transport class: 8

14.4. Packing group

Packing group: II

14.5. Environmental hazards

Environmentally hazardous: No

Marine pollutant: No

14.6. Special precautions for user

Special precautions: No special precautions.

Tunnel code: E

Transport category: 2

Section 15: Regulatory information

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

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15.2. Chemical Safety Assessment

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

Section 16: Other information

Other information

Other information: Refer to the Manual Handling Operations Regulations 1992.
Store in accordance with HSE Guidance Note CS17.
Classed as special waste by the Hazardous Waste Regulations 2005.
Read in conjunction with the Technical Data sheet concerning use of the product.

Phrases used in s.2 and s.3: H302: Harmful if swallowed.
H302+332: Harmful if swallowed or if inhaled.
H314: Causes severe skin burns and eye damage.
H319: Causes serious eye irritation.
H332: Harmful if inhaled.
H373: May cause damage to organs <or state all organs affected, if known> through prolonged or repeated exposure <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.
R20/22: Harmful by inhalation and if swallowed.
R22: Harmful if swallowed.
R35: Causes severe burns.
R36: Irritating to eyes.

Legal disclaimer: 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. This Safety Data Sheet and the formulation behind it are the property of Confederate Chemicals GRP Ltd and are used under licence by Confederate Chemicals Ltd.