

Safety Data Sheet



Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product identifier

Product Name	• Water Base Cleaning Solution
CAS Number	• 1336-21-6
Product Code	• 16-370
EC Number	• 215-647-6
Molecular Formula	• :H 5:N 1:O 1:

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

Relevant identified use(s)	• Tire retread equipment clean up
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1.3 Details of the supplier of the safety data sheet

Manufacturer	• Patch Rubber Company 100 Patch Rubber Road Weldon, NC 27890 United States
Telephone (General)	• (252)-536-2574
Responsible party	• Christian Gimenez Intertek Analytical Services France France

Telephone (Technical) • 33 (0) 6 07 11 22 15

1.4 Emergency telephone number

Manufacturer	• 1-800-424-9300 - CHEMTREC
Manufacturer	• +1 703-527-3887 - CHEMTREC - Outside USA & CANADA (collect calls accepted)

Section 2: Hazards Identification

EU/EEC

According to EU Directive 1272/2008 (CLP)/REACH 1907/2006 [amended by 453/2010]
According to EU Directive 67/548/EEC (DSD) or 1999/45/EC (DPD)

2.1 Classification of the substance or mixture

CLP	• Not Classified - Classification criteria not met
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DSD/DPD

- Not Classified - Classification criteria not met

2.2 Label Elements**CLP**

- Hazard statements** • No label element(s) required

DSD/DPD

- Risk phrases** • No label element(s) required

2.3 Other Hazards**CLP**

- According to Regulation (EC) No. 1272/2008 (CLP) this material is not considered hazardous.

DSD/DPD

- This product is not considered dangerous under the European Directive 67/548/EEC

United States (US)

According to OSHA 29 CFR 1910.1200 HCS

2.1 Classification of the substance or mixture**OSHA HCS 2012**

- Not Classified - Classification criteria not met

2.2 Label elements**OSHA HCS 2012**

- Hazard statements** • No label elements(s) required

2.3 Other hazards**OSHA HCS 2012**

- This product is not considered hazardous under the U.S. OSHA 29 CFR 1910.1200 Hazard Communication Standard.

Canada

According to WHMIS

2.1 Classification of the substance or mixture**WHMIS**

- Not Classified - Classification criteria not met

2.2 Label elements**WHMIS**

- No label element(s) required

2.3 Other hazards**WHMIS**

- In Canada, the product mentioned above is not considered hazardous under the Workplace Hazardous Materials Information System (WHMIS).

See Section 12 for Ecological Information.

Section 3 - Composition/Information on Ingredients**3.1 Substances**

Hazardous Components					
Chemical Name	Identifiers	%(weight)	LD50/LC50	Classifications According to Regulation/Directive	Comments
				EU DSD/DPD: Annex I - Skin Corr. 1B; H314	

Ammonium hydroxide	CAS:1336-21-6 EC Number:215-647-6	0.24%	Ingestion/Oral-Rat LD50 • 350 mg/kg	Aquatic Acute 1; H400 EU CLP: Annex VI - Skin Corr. 1B; H314 Aquatic Acute 1; H400 OSHA HCS 2012: Acute Tox 2 (orl), Eye Dam. 1, Skin Corr. 1C	NDA
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3.2 Mixtures

- Material does not meet the criteria of a mixture in accordance with Regulation (EC) No 1272/2008.

See Section 11 for Toxicological Information. See Section 16 for full text of H-statements and R-phrases.

Section 4 - First Aid Measures

4.1 Description of first aid measures

Inhalation

- First aid is not expected to be necessary if material is used under ordinary conditions and as recommended. If signs/symptoms develop, get medical attention.

Skin

- First aid is not expected to be necessary if material is used under ordinary conditions and as recommended. If signs/symptoms develop, get medical attention.

Eye

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If signs/symptoms develop, get medical attention.

Ingestion

- First aid is not expected to be necessary if material is used under ordinary conditions and as recommended.

4.2 Most important symptoms and effects, both acute and delayed

- Refer to Section 11 - Toxicological Information.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to Physician

- All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

See Section 2 for Potential Health Effects.

Section 5 - Firefighting Measures

5.1 Extinguishing media

Suitable Extinguishing Media • Material is non-combustible. In case of fire use media as appropriate for surrounding fire.

Unsuitable Extinguishing Media • No data available.

5.2 Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards • Material is non-combustible and is not expected to pose a fire or explosion hazard.

Hazardous Combustion Products • Hydrocarbons, Carbon Oxides.

5.3 Advice for firefighters

- Structural firefighters' protective clothing will only provide limited protection. Wear positive pressure self-contained breathing apparatus (SCBA).

Section 6 - Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal Precautions

- Do not touch or walk through spilled material. Spilled material may be slippery. Prompt clean up of any spill is necessary to help ensure safety of work area.

Emergency Procedures

- No emergency procedures are expected to be necessary if material is used under ordinary conditions as recommended.

6.2 Environmental precautions

- Runoff from fire control may cause pollution.

6.3 Methods and material for containment and cleaning up

Containment/Clean-up Measures

- For larger spills absorb with earth, sand or other non-combustible material. Sweep up or shovel absorbed material into an appropriate container for later disposal. Wash spill area with soap and water.
Wipe small spills up with a paper towel and discard then rinse area with water.

6.4 Reference to other sections

- Refer to Section 8 - Exposure Controls/Personal Protection and Section 13 - Disposal Considerations.

Section 7 - Handling and Storage

7.1 Precautions for safe handling

Handling

- Use good safety and industrial hygiene practices. Avoid contact with skin and eyes. Use only with adequate ventilation.

7.2 Conditions for safe storage, including any incompatibilities

Storage

- Keep container closed when not in use. Store in a cool, dry place. Do not allow product to freeze.

Incompatible Materials or Ignition Sources

- Strong oxidizers and chemicals such as alkali metals that are incompatible with water-based solutions.

7.3 Specific end use(s)

- Refer to Section 1.2 - Relevant identified uses.

Section 8 - Exposure Controls/Personal Protection

8.1 Control parameters

8.2 Exposure controls

Engineering Measures/Controls

- Adequate ventilation systems as needed to control concentrations of airborne contaminants below applicable threshold limit values.

Personal Protective Equipment

Respiratory

- No respiratory protection is required under normal conditions and use. In case of insufficient ventilation, wear suitable respiratory equipment.

Eye/Face

- Wear safety goggles.

Hands

- Wear appropriate gloves.

Skin/Body

- No skin protection is ordinarily required under normal conditions of use.

General Industrial Hygiene Considerations

- Do not get in eyes or on skin or clothing. Handle in accordance with good industrial hygiene and safety practice.

Environmental Exposure Controls

- Follow best practice for site management and disposal of waste.

Key to abbreviations

ACGIH = American Conference of Governmental Industrial Hygiene

OSHA = Occupational Safety and Health Administration

TWA = Time-Weighted Averages are based on 8h/day, 40h/week exposures

Section 9 - Physical and Chemical Properties

9.1 Information on Physical and Chemical Properties

Material Description			
Physical Form	Liquid	Appearance/Description	Clear liquid with slight ammonia odor.
Color	Clear	Odor	Slight ammonia odor.
Odor Threshold	Data lacking		
General Properties			
Boiling Point	Data lacking	Melting Point	Data lacking
Decomposition Temperature	Data lacking	pH	9.45 to 10.95
Specific Gravity/Relative Density	0.9997 to 0.9998 Water=1	Water Solubility	Data lacking
Solvent Solubility	Data lacking	Viscosity	Data lacking
Explosive Properties	Data lacking	Oxidizing Properties:	Data lacking
Volatility			
Vapor Pressure	Data lacking	Vapor Density	Data lacking
Evaporation Rate	Data lacking		
Flammability			
Flash Point	Data lacking	UEL	Data lacking
LEL	Data lacking	Autoignition	Data lacking
Flammability (solid, gas)	Data lacking		
Environmental			
Octanol/Water Partition coefficient	Data lacking		

9.2 Other Information

- No additional physical and chemical parameters noted.

Section 10: Stability and Reactivity

10.1 Reactivity

- No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

- Stable

10.3 Possibility of hazardous reactions

- Hazardous polymerization will not occur.

10.4 Conditions to avoid

- Extreme temperatures. Incompatible materials.

10.5 Incompatible materials

- Strong oxidizers and chemicals such as alkali metals that are incompatible with water-based solutions.

10.6 Hazardous decomposition products

- Hydrocarbons, Carbon Oxides from dried solids.

Section 11 - Toxicological Information

11.1 Information on toxicological effects

Component Name	CAS	Data
Ammonium hydroxide (0.24%)	1336-21-6	Acute Toxicity: orl-rat LD50:350 mg/kg; Irritation: eye-rbt 44 ug SEV
GHS Properties		Classification
Acute toxicity		EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met
Aspiration Hazard		EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met
Carcinogenicity		EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met
Germ Cell Mutagenicity		EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met
Skin corrosion/Irritation		EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met
Skin sensitization		EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met
STOT-RE		EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met
STOT-SE		EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met
Toxicity for Reproduction		EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met
Respiratory sensitization		EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met
Serious eye damage/Irritation		EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met

Potential Health Effects

Inhalation

Acute (Immediate)

- Under normal conditions of use, no health effects are expected.

Chronic (Delayed)

- No data available.

Skin

Acute (Immediate)

- Under normal conditions of use, no health effects are expected.

Chronic (Delayed)

- No data available.

Eye

Acute (Immediate)

- Under normal conditions of use, no health effects are expected.

Chronic (Delayed)

- No data available.

Ingestion

Acute (Immediate)

- Under normal conditions of use, no health effects are expected.

Chronic (Delayed)

- No data available.

Key to abbreviations

LD = Lethal Dose

SEV = Severe

Section 12 - Ecological Information**12.1 Toxicity**

- No information available for this product.

12.2 Persistence and degradability

- Material data lacking.

12.3 Bioaccumulative potential

- Material data lacking.

12.4 Mobility in Soil

- Material data lacking.

12.5 Results of PBT and vPvB assessment

- No PBT and vPvB assessment has been conducted.

12.6 Other adverse effects

- No studies have been found.

Section 13 - Disposal Considerations**13.1 Waste treatment methods****Product waste**

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Packaging waste

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Section 14 - Transport Information

	14.1 UN number	14.2 UN proper shipping name	14.3 Transport hazard class(es)	14.4 Packing group	14.5 Environmental hazards
DOT	NDA	Not Regulated	NDA	NDA	NDA
TDG	NDA	Not Regulated	NDA	NDA	NDA
IMO/IMDG	NDA	Not Regulated	NDA	NDA	NDA
IATA/ICAO	NDA	Not Regulated	NDA	NDA	NDA

14.6 Special precautions for user

- None known.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

- Not relevant.

Section 15 - Regulatory Information

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

SARA Hazard Classifications • None

State Right To Know				
Component	CAS	MA	NJ	PA
Water	NDA	No	No	No
Ammonium hydroxide	1336-21-6	Yes	Yes	Yes

Inventory					
Component	CAS	Canada DSL	EU EINECS	EU ELNICS	TSCA
Water	NDA	No	No	No	No
Ammonium hydroxide	1336-21-6	Yes	Yes	No	Yes

Canada

Labor

Canada - WHMIS - Classifications of Substances

- Ammonium hydroxide 1336-21-6 0.24% E
- Water 7732-18-5 99.76% Uncontrolled product according to WHMIS classification criteria

Canada - WHMIS - Ingredient Disclosure List

- Ammonium hydroxide 1336-21-6 0.24% 1 %
- Water 7732-18-5 99.76% Not Listed

Europe

Other

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Classification

- Ammonium hydroxide 1336-21-6 0.24% C; R34 N; R50
- Water 7732-18-5 99.76% Not Listed

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Concentration Limits

- Ammonium hydroxide 1336-21-6 0.24% 5%≤C<10%: Xi; R:36/37/38 10%≤C: C; R:34
- Water 7732-18-5 99.76% Not Listed

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Labelling

- Ammonium hydroxide 1336-21-6 0.24% C N R:34-50 S:(1/2)-26-36/37/39-45-61
- Water 7732-18-5 99.76% Not Listed

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Notes - Substances and Preparations

- Ammonium hydroxide 1336-21-6 0.24% B
- Water 7732-18-5 99.76% Not Listed

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Safety Phrases

- Ammonium hydroxide 1336-21-6 0.24% S:(1/2)-26-36/37/39-45-61
- Water 7732-18-5 99.76% Not Listed

United States**Labor****U.S. - OSHA - Process Safety Management - Highly Hazardous Chemicals**

- Ammonium hydroxide 1336-21-6 0.24% Not Listed
- Water 7732-18-5 99.76% Not Listed

U.S. - OSHA - Specifically Regulated Chemicals

- Ammonium hydroxide 1336-21-6 0.24% Not Listed
- Water 7732-18-5 99.76% Not Listed

Environment**U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants**

- Ammonium hydroxide 1336-21-6 0.24% Not Listed
- Water 7732-18-5 99.76% Not Listed

U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities

- Ammonium hydroxide 1336-21-6 0.24% 1000 lb final RQ; 454 kg final RQ
- Water 7732-18-5 99.76% Not Listed

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs

- Ammonium hydroxide 1336-21-6 0.24% Not Listed
- Water 7732-18-5 99.76% Not Listed

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs

- Ammonium hydroxide 1336-21-6 0.24% Not Listed
- Water 7732-18-5 99.76% Not Listed

U.S. - CERCLA/SARA - Section 313 - Emission Reporting

- Ammonium hydroxide 1336-21-6 0.24% Not Listed
- Water 7732-18-5 99.76% Not Listed

U.S. - CERCLA/SARA - Section 313 - PBT Chemical Listing

- Ammonium hydroxide 1336-21-6 0.24% Not Listed
- Water 7732-18-5 99.76% Not Listed

U.S. - EPA - Designated Generic Categories - Aqueous Ammonia

- Ammonium hydroxide 1336-21-6 0.24% NH3 Equiv. Wt. % = 48.59
- Water 7732-18-5 99.76% Not Listed

U.S. - RCRA (Resource Conservation & Recovery Act) - Basis for Listing - Appendix VII

- Ammonium hydroxide 1336-21-6 0.24% Not Listed
- Water 7732-18-5 99.76% Not Listed

U.S. - RCRA (Resource Conservation & Recovery Act) - Constituents for Detection Monitoring

- Ammonium hydroxide 1336-21-6 0.24% Not Listed
- Water 7732-18-5 99.76% Not Listed

U.S. - RCRA (Resource Conservation & Recovery Act) - D Series Wastes - Max Conc of Contaminants for the Tox Characteristic

- Ammonium hydroxide 1336-21-6 0.24% Not Listed
- Water 7732-18-5 99.76% Not Listed

U.S. - RCRA (Resource Conservation & Recovery Act) - F Series Wastes - Wastes from Nonspecific Sources

- Ammonium hydroxide 1336-21-6 0.24% Not Listed
- Water 7732-18-5 99.76% Not Listed

U.S. - RCRA (Resource Conservation & Recovery Act) - Hazardous Constituents - Appendix VIII to 40 CFR 261

- Ammonium hydroxide 1336-21-6 0.24% Not Listed
- Water 7732-18-5 99.76% Not Listed

U.S. - RCRA (Resource Conservation & Recovery Act) - K Series Wastes - Wastes from Specified Sources

- Ammonium hydroxide 1336-21-6 0.24% Not Listed
- Water 7732-18-5 99.76% Not Listed

U.S. - RCRA (Resource Conservation & Recovery Act) - List for Hazardous Constituents

- Ammonium hydroxide 1336-21-6 0.24% Not Listed
- Water 7732-18-5 99.76% Not Listed

U.S. - RCRA (Resource Conservation & Recovery Act) - P Series Wastes - Acutely Toxic Wastes

- Ammonium hydroxide 1336-21-6 0.24% Not Listed
- Water 7732-18-5 99.76% Not Listed

U.S. - RCRA (Resource Conservation & Recovery Act) - Part 268 Appendix III - Halogenated Organic Compounds (HOCs)

- Ammonium hydroxide 1336-21-6 0.24% Not Listed
- Water 7732-18-5 99.76% Not Listed

U.S. - RCRA (Resource Conservation & Recovery Act) - Phase 4 LDR Rule - Universal Treatment Standards

- Ammonium hydroxide 1336-21-6 0.24% Not Listed
- Water 7732-18-5 99.76% Not Listed

U.S. - RCRA (Resource Conservation & Recovery Act) - TSD Facilities Ground Water Monitoring

- Ammonium hydroxide 1336-21-6 0.24% Not Listed
- Water 7732-18-5 99.76% Not Listed

U.S. - RCRA (Resource Conservation & Recovery Act) - U Series Wastes - Acutely Toxic Wastes & Other Hazardous Characteristics

- Ammonium hydroxide 1336-21-6 0.24% Not Listed
- Water 7732-18-5 99.76% Not Listed

U.S. - RCRA (Resource Conservation & Recovery Act) - Waste Minimization Priority Chemicals

- Ammonium hydroxide 1336-21-6 0.24% Not Listed
- Water 7732-18-5 99.76% Not Listed

United States - California

Environment

U.S. - California - Proposition 65 - Carcinogens List

- Ammonium hydroxide 1336-21-6 0.24% Not Listed
- Water 7732-18-5 99.76% Not Listed

U.S. - California - Proposition 65 - Developmental Toxicity

- Ammonium hydroxide 1336-21-6 0.24% Not Listed
- Water 7732-18-5 99.76% Not Listed

U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)

- Ammonium hydroxide 1336-21-6 0.24% Not Listed
- Water 7732-18-5 99.76% Not Listed

U.S. - California - Proposition 65 - No Significant Risk Levels (NSRL)

- Ammonium hydroxide 1336-21-6 0.24% Not Listed
- Water 7732-18-5 99.76% Not Listed

U.S. - California - Proposition 65 - Reproductive Toxicity - Female

- Ammonium hydroxide 1336-21-6 0.24% Not Listed
- Water 7732-18-5 99.76% Not Listed

U.S. - California - Proposition 65 - Reproductive Toxicity - Male

- Ammonium hydroxide 1336-21-6 0.24% Not Listed
- Water 7732-18-5 99.76% Not Listed

United States - Pennsylvania

Labor

U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

- Ammonium hydroxide 1336-21-6 0.24%
- Water 7732-18-5 99.76% Not Listed

U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances

- Ammonium hydroxide 1336-21-6 0.24% Not Listed
- Water 7732-18-5 99.76% Not Listed

United States - Rhode Island

Labor

U.S. - Rhode Island - Hazardous Substance List

- Ammonium hydroxide 1336-21-6 0.24% Not Listed
- Water 7732-18-5 99.76% Not Listed

15.2 Chemical Safety Assessment

- No Chemical Safety Assessment has been carried out.

Section 16 - Other Information

Last Revision Date

- 11/April/2013

Preparation Date

- 11/April/2013

Disclaimer/Statement of Liability

- The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstance of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.

Key to abbreviations

NDA = No data available