



# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

## Adam's Water Spot Remover

Version number: GHS 3.0  
Replaces version of: 2020-10-06 (GHS 2)

Revision: 2021-07-27

### SECTION 1: Identification

#### 1.1 Product identifier

Trade name

**Adam's Water Spot Remover**

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

Relevant identified uses

Vehicle water spot remover

Uses advised against

Do not use for squirting or spraying. Do not use for products which come into direct contact with the skin.

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

Adam's Polishes Inc.  
8225 North Valley Hwy.  
Thornton CO 80221  
720-484-5059

tips@adamspolishes.com  
www.adamspolishes.com

#### 1.4 Emergency telephone number

Emergency information service

USA 1.800.535.5053, INTL 1.352.323.3500  
24 hour emergency number

### SECTION 2: Hazard(s) identification

#### 2.1 Classification of the substance or mixture

Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

Section	Hazard class	Category	Hazard class and category	Hazard statement
A.2	skin corrosion/irritation	1B	Skin Corr. 1B	H314
A.3	serious eye damage/eye irritation	1	Eye Dam. 1	H318

For full text of abbreviations: see SECTION 16.

The most important adverse physicochemical, human health and environmental effects

Skin corrosion produces an irreversible damage to the skin; namely, visible necrosis through the epidermis and into the dermis.

#### 2.2 Label elements

Labelling acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

- Signal word **danger**

- Pictograms

GHS05



- Hazard statements

H314

Causes severe skin burns and eye damage.



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### - Precautionary statements

P260	Do not breathe dust/fume/gas/mist/vapors/spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P330+P331	If swallowed: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353	If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340	If inhaled: Remove person to fresh air and keep comfortable for breathing.
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 poison center/doctor.
P321	Specific treatment (see on this label).
P363	Wash contaminated clothing before reuse.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

- Hazardous ingredients for labelling ammonium bifluoride

### 2.3 Other hazards

Special danger of slipping by leaking/spilling product.

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Not relevant (mixture)

### 3.2 Mixtures

Description of the mixture

Hazardous ingredients acc. to GHS			
Name of substance	Identifier	Wt%	Classification acc. to GHS
ammonium bifluoride	CAS No 1341-49-7	3 - < 12	Acute Tox. 3 / H301 Skin Corr. 1B / H314
d-limonene	CAS No 5989-27-5	0.1 - < 1	Skin Irrit. 2 / H315 Skin Sens. 1B / H317 Asp. Tox. 1 / H304 Flam. Liq. 3 / H226

For full text of abbreviations: see SECTION 16.

## SECTION 4: First-aid measures

### 4.1 Description of first-aid measures

#### General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

#### Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. In case of respiratory tract irritation, consult a physician. Provide fresh air.

#### Following skin contact

Follow water rinsing by massaging with calcium gluconate (2.5%) gel. Continue massaging with gel while seeking medical attention.



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### Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate with calcium gluconate (1.0%) solution. Seek immediate medical attention.

### Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting. If patient is conscious and able to swallow give oral calcium solutions or calcium based antacids or milk. Seek immediate medical attention.

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

Delayed or immediate effects can be expected after short or long-term exposure. Risk of hypocalcemia (possible life threatening lowering of serum calcium). May cause severe chemical burns which may not be immediately apparent.

## SECTION 5: Fire-fighting measures

### 5.1 Extinguishing media

Suitable extinguishing media

Water spray, Alcohol resistant foam, BC-powder, Carbon dioxide (CO<sub>2</sub>)

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

none

Hazardous combustion products

Nitrogen oxides (NO<sub>x</sub>), Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>)

### 5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Coordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

## SECTION 6: Accidental release measures

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

For non-emergency personnel

Remove persons to safety.

For emergency responders

Wear breathing apparatus if exposed to vapors/dust/aerosols/gases.

### 6.2 Environmental precautions

If substance has entered a water course or sewer, inform the responsible authority.

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

Advice on how to contain a spill

Covering of drains

Advice on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage: sawdust, kieselgur (diatomite), sand, universal binder

Appropriate containment techniques

Use of adsorbent materials.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.



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### 6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Recommendations

- Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Use only in well-ventilated areas.

Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

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

Control of the effects

Protect against external exposure, such as  
frost

- Packaging compatibilities

Only packagings which are approved (e.g. acc. to the Dangerous Goods Regulations) may be used.

### 7.3 Specific end use(s)

See section 16 for a general overview.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

This information is not available.

Relevant DNELs of components of the mixture						
Name of substance	CAS No	End-point	Threshold level	Protection goal, route of exposure	Used in	Exposure time
ammonium bifluoride	1341-49-7	DNEL	3.8 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	acute - local effects
ammonium bifluoride	1341-49-7	DNEL	2.3 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - systemic effects
d-limonene	5989-27-5	DNEL	67 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - systemic effects
d-limonene	5989-27-5	DNEL	9.5 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects



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Relevant PNECs of components of the mixture						
Name of substance	CAS No	End-point	Threshold level	Organism	Environmental compartment	Exposure time
ammonium bifluoride	1341-49-7	PNEC	1.3 mg/l	aquatic organisms	freshwater	short-term (single instance)
ammonium bifluoride	1341-49-7	PNEC	76 mg/l	microorganisms	sewage treatment plant (STP)	short-term (single instance)
ammonium bifluoride	1341-49-7	PNEC	22 mg/kg	terrestrial organisms	soil	short-term (single instance)
d-limonene	5989-27-5	PNEC	1.8 mg/l	microorganisms	sewage treatment plant (STP)	short-term (single instance)
d-limonene	5989-27-5	PNEC	1.3 mg/kg	benthic organisms	sediment	short-term (single instance)
d-limonene	5989-27-5	PNEC	0.13 mg/kg	pelagic organisms	sediment	short-term (single instance)
d-limonene	5989-27-5	PNEC	3.3 mg/kg	(top) predators	water	short-term (single instance)
d-limonene	5989-27-5	PNEC	14 µg/l	aquatic organisms	freshwater	short-term (single instance)
d-limonene	5989-27-5	PNEC	1.4 µg/l	aquatic organisms	marine water	short-term (single instance)
d-limonene	5989-27-5	PNEC	1.8 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
d-limonene	5989-27-5	PNEC	3.9 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
d-limonene	5989-27-5	PNEC	0.39 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
d-limonene	5989-27-5	PNEC	0.76 mg/kg	terrestrial organisms	soil	short-term (single instance)

### 8.2 Exposure controls

#### Appropriate engineering controls

General ventilation.

#### Individual protection measures (personal protective equipment)

##### Eye/face protection

Wear eye/face protection.

##### Skin protection

###### - Hand protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

###### - Other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.



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### Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

Physical state	liquid (viscous)
Color	translucent - fluorescent pink
Particle	not relevant (liquid)
Odor	mild sweet - characteristic

#### Other safety parameters

pH (value)	4 - 5 (25 °C)
Melting point/freezing point	not determined
Initial boiling point and boiling range	100 °C
Flash point	>100 °C at 101 kPa
Evaporation rate	Not determined
Flammability (solid, gas)	not relevant, (fluid)
Vapor pressure	32 hPa at 25 °C
Density	1 g/ml
Vapor density	this information is not available

#### Solubility(ies)

- Water solubility	miscible in any proportion
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#### Partition coefficient

- n-octanol/water (log KOW)	this information is not available
Auto-ignition temperature	not determined
Viscosity	not determined
Explosive properties	none
Oxidizing properties	none



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there is no additional information

### SECTION 10: Stability and reactivity

#### 10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials".

#### 10.2 Chemical stability

See below "Conditions to avoid".

#### 10.3 Possibility of hazardous reactions

No known hazardous reactions.

#### 10.4 Conditions to avoid

There are no specific conditions known which have to be avoided.

#### 10.5 Incompatible materials

Oxidizers

#### 10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

Test data are not available for the complete mixture.

##### Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

##### Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

##### Acute toxicity

Shall not be classified as acutely toxic.

GHS of the United Nations, annex 4: May be harmful if swallowed.

Acute toxicity estimate (ATE) of components of the mixture			
Name of substance	CAS No	Exposure route	ATE
ammonium bifluoride	1341-49-7	oral	130 mg/kg

##### Skin corrosion/irritation

Causes severe skin burns and eye damage.

##### Serious eye damage/eye irritation

Causes serious eye damage.

##### Respiratory or skin sensitization

Contains d-limonene. May produce an allergic reaction.

##### Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.



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### Carcinogenicity

Shall not be classified as carcinogenic.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans			
Name of substance	CAS No	Classification	Number
d-limonene	5989-27-5	3	

#### Legend

3 Not classifiable as to carcinogenicity in humans

### Reproductive toxicity

Shall not be classified as a reproductive toxicant.

### Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

### Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

### Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

## SECTION 12: Ecological information

### 12.1 Toxicity

Very toxic to aquatic life with long lasting effects.

Aquatic toxicity (acute) of components of the mixture					
Name of substance	CAS No	Endpoint	Value	Species	Exposure time
ammonium bifluoride	1341-49-7	LC50	421 mg/l	fish	96 h
d-limonene	5989-27-5	LC50	720 µg/l	fish	96 h
d-limonene	5989-27-5	EC50	688 µg/l	fish	96 h
d-limonene	5989-27-5	ErC50	0.32 mg/l	algae	72 h

Aquatic toxicity (chronic) of components of the mixture					
Name of substance	CAS No	Endpoint	Value	Species	Exposure time
d-limonene	5989-27-5	EC50	<0.67 mg/l	fish	8 d
d-limonene	5989-27-5	LC50	0.41 mg/l	fish	8 d

### 12.2 Persistence and degradability

Data are not available.

### 12.3 Bioaccumulative potential

Data are not available.





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### 12.4 Mobility in soil

Data are not available.

### 12.5 Results of PBT and vPvB assessment

Data are not available.

### 12.6 Endocrine disrupting properties

None of the ingredients are listed.

### 12.7 Other adverse effects

Data are not available.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

Waste treatment of containers/packages

Only packagings which are approved (e.g. acc. to DOT) may be used. Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

#### Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

## SECTION 14: Transport information

### 14.1 UN number

DOT	UN 3082
IMDG-Code	UN 3082
ICAO-TI	UN 3082

### 14.2 UN proper shipping name

DOT	Environmentally hazardous substance, liquid, n.o.s.
IMDG-Code	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
ICAO-TI	Environmentally hazardous substance, liquid, n.o.s.
Technical name (hazardous ingredients)	polyethoxylated tallow amine, Alcohols, C11-14-iso-, C13-rich, ethoxylated

### 14.3 Transport hazard class(es)

DOT	9
IMDG-Code	9
ICAO-TI	9

### 14.4 Packing group

DOT	III
IMDG-Code	III
ICAO-TI	III



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- 14.5 Environmental hazards** hazardous to the aquatic environment  
Environmentally hazardous substance (aquatic environment) polyethoxylated tallow amine, Alcohols, C11-14-iso-, C13-rich, ethoxylated
- 14.6 Special precautions for user**  
There is no additional information.
- 14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code**  
The cargo is not intended to be carried in bulk.

### Information for each of the UN Model Regulations

#### Transport of dangerous goods by road or rail (49 CFR US DOT) - Additional information

*Not regulated under DOT until packaged in single containers larger than 119 gallons each - liquid, or 882 lbs each - solid.*

Particulars in the shipper's declaration UN3082, Environmentally hazardous substance, liquid, n.o.s., (polyethoxylated tallow amine, Alcohols, C11-14-iso-, C13-rich, ethoxylated, solution), 9, III

Reportable quantity (RQ) 2,584 lbs (1,173 kg) (ammonium bifluoride) (methanol)

Danger label(s) 9, fish and tree



Environmental hazards YES (hazardous to the aquatic environment)

Special provisions (SP) 8, 146, 173, 335, IB3, T4, TP1, TP29

ERG No 171

#### International Maritime Dangerous Goods Code (IMDG) - Additional information

Marine pollutant YES (hazardous to the aquatic environment) (polyethoxylated tallow amine)

Danger label(s) 9, fish and tree



Special provisions (SP) 274, 335, 969

Excepted quantities (EQ) E1

Limited quantities (LQ) 5 L

EmS F-A, S-F

Stowage category A

#### International Civil Aviation Organization (ICAO-IATA/DGR) - Additional information

Environmental hazards YES (hazardous to the aquatic environment)

Danger label(s) 9, fish and tree



Special provisions (SP) A97, A158, A197

Excepted quantities (EQ) E1



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Limited quantities (LQ)

30 kg

### SECTION 15: Regulatory information

#### 15.1 Safety, health and environmental regulations specific for the product in question

##### National regulations (United States)

##### Toxic Substance Control Act (TSCA)

all ingredients are listed

##### Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)

- List of Hazardous Substances and Reportable Quantities (CERCLA section 102a) (40 CFR 302.4)

Name of substance	CAS No	Wt%	Remarks	Statutory code	Final RQ pounds (Kg)
ammonium bifluoride	1341-49-7	3.9		1	100 (45,4)

##### Legend

1 "1" indicates that the statutory source is section 311(b)(2) of the Clean Water Act

#### Right to Know Hazardous Substance List

Cleaning Product Right to Know Act Substance List (CA-RTK)			
Name of substance	CAS No	Functionality	Authoritative Lists
water	7732-18-5	solvent	
ammonium bifluoride	1341-49-7	metal cleaner	
polyethoxylated tallow amine	61791-26-2	surfactant	
dipropylene glycol monomethyl ether	34590-94-8	surfactant	
Alcohols, C11-14-iso-, C13-rich, ethoxylated	78330-21-9	surfactant	
ethoxylated C11-15 secondary alcohols	68131-40-8	surfactant	
(Amines, N-tallowalkyltrimethylenediamines, ethoxylated)	61790-85-0	surfactant	
d-limonene	5989-27-5	fragrance	EU Fragrance Allergens
disodium cocoamphodipropionate	68604-71-7	surfactant	
methanol	67-56-1	alcohols	CA TACs NTP OHAT - Repr. or Dev. Toxicants OEHHA RELs Prop 65
propylene glycol	57-55-6	humectant	

#### - Toxic or Hazardous Substance List (MA-TURA)

Name of substance	CAS No	DEP CODE	PBT / HHS / LHS	PBT / HHS Threshold	De Minimis Concentration Threshold
ammonium bifluoride	1341-49-7				1.0 %
ammonium bifluoride	7664-41-7				1.0 %



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### - Hazardous Substance List (NJ-RTK)

Name of substance	CAS No	Remarks	Classifications
ammonium bifluoride	1341-49-7		CO
d-limonene	138-86-3		F2

#### Legend

CO Corrosive  
F2 Flammable - Second Degree

### - Hazardous Substance List (Chapter 323) (PA-RTK)

Name acc. to inventory	CAS No	Classification
AMMONIUM FLUORIDE ((NH4)(HF2))	1341-49-7	E

#### Legend

E Environmental hazard

### California Environmental Protection Agency (Cal/EPA): Proposition 65 - Safe Drinking Water and Toxic Enforcement Act of 1987

Proposition 65 List of chemicals				
Name acc. to inventory	CAS No	Wt%	Remarks	Type of the toxicity
methanol	67-56-1	0.032		developmental
ethylene oxide	75-21-8	0.0000057		cancer
ethylene oxide	75-21-8	0.0000057		female
ethylene oxide	75-21-8	0.0000057		developmental, male

### VOC content

- Regulated Volatile Organic Compounds (VOC-EPA) 1.6 %
- Regulated Volatile Organic Compounds (VOC-Cal ARB) 1.6 %

### Industry or sector specific available guidance(s)

#### NPCA-HMIS® III

Hazardous Materials Identification System. American Coatings Association.

Category	Rating	Description
Chronic	*	chronic (long-term) health effects may result from repeated overexposure
Health	3	major injury likely unless prompt action is taken and medical treatment is given
Flammability	1	material that must be preheated before ignition can occur
Physical hazard	0	material that is normally stable, even under fire conditions, and will not react with water, polymerize, decompose, condense, or self-react. Non-explosive
Personal protection	-	

Chronic: chronic hazard  
Flammability: flammability hazards



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Health: health hazard  
Personal protection: personal protective equipment (PPE) for normal use  
Physical hazard: reactivity

### NFPA® 704

National Fire Protection Association: Standard System for the Identification of the Hazards of Materials for Emergency Response (United States).

Category	Degree of hazard	Description
Flammability	1	material that must be preheated before ignition can occur
Health	3	material that, under emergency conditions, can cause serious or permanent injury
Instability	0	material that is normally stable, even under fire conditions
Special hazard		

### National inventories

Country	Inventory	Status
CA	DSL	all ingredients are listed
EU	REACH Reg.	not all ingredients are listed
US	TSCA	all ingredients are listed

#### Legend

DSL Domestic Substances List (DSL)  
REACH Reg. REACH registered substances  
TSCA Toxic Substance Control Act

## 15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

## SECTION 16: Other information, including date of preparation or last revision

### Indication of changes (revised safety data sheet)

Alignment to regulation: Globally Harmonized System of Classification and Labelling of Chemicals ("Purple book").  
Restructuring: section 9, section 14

Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
2.3	Results of PBT and vPvB assessment: This mixture does not contain any substances that are assessed to be a PBT or a vPvB.		yes
3.2		Hazardous ingredients acc. to GHS: change in the listing (table)	yes
4.1	Following skin contact: Wash with plenty of soap and water.	Following skin contact: Follow water rinsing by massaging with calcium gluconate (2.5%) gel. Continue massaging with gel while seeking medical attention.	yes
4.1	Following eye contact: Remove contact lenses, if present and easy to do. Continue rinsing.	Following eye contact: Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate with calcium gluconate (1.0%) solution. Seek immediate medical attention.	yes



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Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
4.1	Following ingestion: Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.	Following ingestion: Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting. If patient is conscious and able to swallow give oral calcium solutions or calcium based antacids or milk. Seek immediate medical attention.	yes
4.2		Most important symptoms and effects, both acute and delayed: Delayed or immediate effects can be expected after short or long-term exposure. Risk of hypocalcemia (possible life threatening lowering of serum calcium). May cause severe chemical burns which may not be immediately apparent.	yes
5.1	Unsuitable extinguishing media: Water jet		yes
5.2	Special hazards arising from the substance or mixture	Special hazards arising from the substance or mixture: none	yes
8.1		Relevant DNELs of components of the mixture: change in the listing (table)	yes
8.1		Relevant PNECs of components of the mixture: change in the listing (table)	yes
9.1		Particle: not relevant (liquid)	yes
9.1	Flash point: >100 °C at 101.3 kPa	Flash point: >100 °C at 101 kPa	yes
9.1	Explosive limits: not determined		yes
9.1	Vapor pressure: 31.69 hPa at 25 °C	Vapor pressure: 32 hPa at 25 °C	yes
9.1	Density: 1.011 g/ml	Density: 1 g/ml	yes
12.1		Aquatic toxicity (acute) of components of the mixture: change in the listing (table)	yes
12.1		Aquatic toxicity (chronic) of components of the mixture: change in the listing (table)	yes
12.7	Other adverse effects	Other adverse effects: Data are not available.	yes
14.1	UN number: 3082	UN number	yes
14.1		DOT: UN 3082	yes
14.1		IMDG-Code: UN 3082	yes
14.1		ICAO-TI: UN 3082	yes



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## Adam's Water Spot Remover

Version number: GHS 3.0  
Replaces version of: 2020-10-06 (GHS 2)

Revision: 2021-07-27

Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
14.2	UN proper shipping name: Environmentally hazardous substance, liquid, n.o.s.	UN proper shipping name	yes
14.2		DOT: Environmentally hazardous substance, liquid, n.o.s.	yes
14.2		IMDG-Code: ENVIRONMENTALLY HAZARDOUS SUB- STANCE, LIQUID, N.O.S.	yes
14.2		ICAO-TI: Environmentally hazardous substance, liquid, n.o.s.	yes
14.3	Class: 9 (environmentally hazardous)		yes
14.3		DOT: 9	yes
14.3		IMDG-Code: 9	yes
14.3		ICAO-TI: 9	yes
14.4	Packing group: III (substance presenting low danger)	Packing group	yes
14.4		DOT: III	yes
14.4		IMDG-Code: III	yes
14.4		ICAO-TI: III	yes
14.7	Index number: 3082		yes
14.7	Proper shipping name: Environmentally hazardous substance, liquid, n.o.s.		yes
14.7	Class: 9		yes
14.7	Packing group: III		yes
14.7	UN number: 3082		yes
14.7	Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUB- STANCE, LIQUID, N.O.S.		yes
14.7	Class: 9		yes
14.7	Packing group: III		yes
14.7	Marine pollutant: yes (hazardous to the aquatic environment)	Marine pollutant: yes (hazardous to the aquatic environment) (poly- ethoxylated tallow amine)	yes



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14.7	UN number: 3082		yes
14.7	Proper shipping name: Environmentally hazardous substance, liquid, n.o.s.		yes
14.7	Class: 9		yes
14.7	Packing group: III		yes
15.1		List of Hazardous Substances and Reportable Quantities (CERCLA section 102a) (40 CFR 302.4): change in the listing (table)	yes
15.1	Cleaning Product Right to Know Act Substance List (CA-RTK)		yes
15.1		Proposition 65 List of chemicals: change in the listing (table)	yes
15.1	Regulated Volatile Organic Compounds (VOC-EPA): 1.621 %	Regulated Volatile Organic Compounds (VOC-EPA): 1.6 %	yes
15.1	Regulated Volatile Organic Compounds (VOC-Cal ARB): 1.621 %	Regulated Volatile Organic Compounds (VOC-Cal ARB): 1.6 %	yes
16		Indication of changes (revised safety data sheet): Alignment to regulation: Globally Harmonized System of Classification and Labelling of Chemicals ("Purple book"). Restructuring: section 9, section 14	yes
16		Abbreviations and acronyms: change in the listing (table)	yes

### Abbreviations and acronyms

Abbr.	Descriptions of used abbreviations
49 CFR US DOT	49 CFR U.S. Department of Transportation
Acute Tox.	Acute toxicity
Asp. Tox.	Aspiration hazard
ATE	Acute Toxicity Estimate
Cal ARB	California Air Resources Board
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)
DEP CODE	Department of Environmental Protection Code
DGR	Dangerous Goods Regulations (see IATA/DGR)
DNEL	Derived No-Effect Level
DOT	Department of Transportation (USA)
EC50	Effective Concentration 50 %. The EC50 corresponds to the concentration of a tested substance causing 50 % changes in response (e.g. on growth) during a specified time interval





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Abbr.	Descriptions of used abbreviations
EmS	Emergency Schedule
EPA	Environmental Protection Agency. An agency of the federal government of the United States charged with protecting human health and the environment
ErC50	≡ EC50: in this method, that concentration of test substance which results in a 50 % reduction in either growth (EbC50) or growth rate (ErC50) relative to the control
ERG No	Emergency Response Guidebook - Number
Flam. Liq.	Flammable liquid
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations
HHS	Higher hazard substance
IATA	International Air Transport Association
IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA)
ICAO	International Civil Aviation Organization
ICAO-TI	Technical instructions for the safe transport of dangerous goods by air
IMDG	International Maritime Dangerous Goods Code
IMDG-Code	International Maritime Dangerous Goods Code
LC50	Lethal Concentration 50%: the LC50 corresponds to the concentration of a tested substance causing 50 % lethality during a specified time interval
LHS	Lower hazard substance
MARPOL	International Convention for the Prevention of Pollution from Ships (abbr. of "Marine Pollutant")
NPCA-HMIS® III	National Paint and Coatings Association: Hazardous Materials Identification System - HMIS® III, Third Edition
OSHA	Occupational Safety and Health Administration (United States)
PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted No-Effect Concentration
RTECS	Registry of Toxic Effects of Chemical Substances (database of NIOSH with toxicological information)
Skin Corr.	Corrosive to skin
Skin Irrit.	Irritant to skin
Skin Sens.	Skin sensitization
VOC	Volatile Organic Compounds
vPvB	Very Persistent and very Bioaccumulative

### Key literature references and sources for data

OSHA Hazard Communication Standard (HCS), 29 CFR 1910.1200.

Transport of dangerous goods by road or rail (49 CFR US DOT). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

### Classification procedure

Physical and chemical properties: The classification is based on tested mixture.

Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).



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### List of relevant phrases (code and full text as stated in chapter 2 and 3)

Code	Text
H226	Flammable liquid and vapor.
H301	Toxic if swallowed.
H304	May be fatal if swallowed and enters airways.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.

### Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.