

# A-100S Liquid Jet Wash Detergent

## Safety Data Sheet ASPELXX-TPS001

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
Product name : A-100S Liquid Jet Wash Detergent  
Product code : ASPELXX-005-001

#### 1.2. Recommended use and restrictions on use

No additional information available

#### 1.3. Supplier

TPS Products  
W 11378 Riverside Rd.  
Marion, WI 54950 - USA  
T 715-754-2207

#### 1.4. Emergency telephone number

Emergency number : 715-754-2207

### SECTION 2: Hazard(s) identification

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

##### GHS-US classification

Skin Corr. 1A H314 Causes severe skin burns and eye damage  
Eye Dam. 1 H318 Causes serious eye damage

Full text of hazard classes and H-statements : see section 16

#### 2.2. GHS Label elements, including precautionary statements

##### GHS-US labeling

Hazard pictograms (GHS-US) :



Signal word (GHS-US) : Danger  
Hazard statements (GHS-US) : H314 - Causes severe skin burns and eye damage  
H318 - Causes serious eye damage  
Precautionary statements (GHS-US) : P260 - Do not breathe dust, mist, spray.  
P264 - Wash clothing, hands, forearms and face thoroughly after handling.  
P280 - Wear eye protection, face protection, protective clothing, protective gloves.  
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 doctor, a POISON CENTER  
P321 - Specific treatment (see ... on this label)  
P363 - Wash contaminated clothing before reuse.  
P405 - Store locked up.  
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

#### 2.3. Other hazards which do not result in classification

No additional information available

#### 2.4. Unknown acute toxicity (GHS US)

Not applicable

### SECTION 3: Composition/Information on ingredients

#### 3.1. Substances

Not applicable

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### 3.2. Mixtures

Name	Product identifier	%	GHS-US classification
Potassium Carbonate	(CAS-No.) 584-08-7	10 - 20	Acute Tox. 4 (Oral), H302 Skin Corr. 1A, H314 Eye Dam. 1, H318
Sodium Silicate	(CAS-No.) 1344-09-8	3 - 5	Skin Irrit. 2, H315 Eye Irrit. 2A, H319
Octenylsuccinic Acid	(CAS-No.) 28805-58-5	1 - 3	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Skin Corr. 1A, H314 Eye Dam. 1, H318
Poly(acrylic acid sodium salt)	(CAS-No.) 9003-04-7	1 - 3	Eye Irrit. 2A, H319
Alcohols, C8-10, ethoxylated propoxylated	(CAS-No.) 68603-25-8	1 - 3	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318
Potassium Hydroxide	(CAS-No.) 1310-58-3	1 - 3	Acute Tox. 4 (Oral), H302 Skin Corr. 1A, H314 Eye Dam. 1, H318

Full text of hazard classes and H-statements : see section 16

## SECTION 4: First-aid measures

### 4.1. Description of first aid measures

- First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
- First-aid measures after inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a poison center or doctor/physician.
- First-aid measures after skin contact : Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a poison center or doctor/physician.
- First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician.
- First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Immediately call a poison center or doctor/physician.

### 4.2. Most important symptoms and effects (acute and delayed)

- Potential Adverse human health effects and symptoms : Based on available data, the classification criteria are not met.
- Symptoms/effects : Causes severe skin burns and eye damage.
- Symptoms/effects after eye contact : Causes serious eye damage.

### 4.3. Immediate medical attention and special treatment, if necessary

No additional information available

## SECTION 5: Fire-fighting measures

### 5.1. Suitable (and unsuitable) extinguishing media

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

### 5.2. Specific hazards arising from the chemical

- Reactivity : Thermal decomposition generates : Corrosive vapors.

### 5.3. Special protective equipment and precautions for fire-fighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

## SECTION 6: Accidental release measures

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

#### 6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

#### 6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

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

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid contact during pregnancy/while nursing.

Hygiene measures : Wash hands, forearms and face thoroughly after handling.

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

Technical measures : Comply with applicable regulations.

Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Keep container closed when not in use.

Incompatible products : Strong bases. Strong acids.

Incompatible materials : Sources of ignition. Direct sunlight.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Potassium Hydroxide (1310-58-3)		
ACGIH	Local name	Potassium hydroxide
ACGIH	ACGIH Ceiling (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
ACGIH	Remark (ACGIH)	URT, eye, & skin irr
Potassium Carbonate (584-08-7)		
Not applicable		
Octenylsuccinic Acid (28805-58-5)		
Not applicable		
Sodium Silicate (1344-09-8)		
Not applicable		
Poly(acrylic acid sodium salt) (9003-04-7)		
Not applicable		
Alcohols, C8-10, ethoxylated propoxylated (68603-25-8)		
Not applicable		

### 8.2. Appropriate engineering controls

No additional information available

### 8.3. Individual protection measures/Personal protective equipment

#### Personal protective equipment:

Avoid all unnecessary exposure.

#### Hand protection:

Wear protective gloves.

#### Eye protection:

Chemical goggles or face shield

#### Skin and body protection:

Wear suitable protective clothing

#### Respiratory protection:

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Wear appropriate mask

### Other information:

Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

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

Physical state	: Liquid
Color	: light yellow
Odor	: characteristic
Odor threshold	: No data available
pH	: 12
pH solution	: 11.4 (10%)
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: Non flammable.
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: No data available
Specific gravity / density	: 1.26
Solubility	: No data available
Log Pow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Thermal decomposition generates : Corrosive vapors.

### 10.2. Chemical stability

Not established.

### 10.3. Possibility of hazardous reactions

Not established.

### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

### 10.5. Incompatible materials

Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide. Thermal decomposition generates : Corrosive vapors.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

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<b>Potassium Hydroxide (1310-58-3)</b>	
LD50 oral rat	333 mg/kg (Rat; Equivalent or similar to OECD 425; Experimental value)
ATE US (oral)	333 mg/kg body weight
<b>Potassium Carbonate (584-08-7)</b>	
LD50 oral rat	1870 mg/kg (Rat; Equivalent or similar to OECD 401; Literature study; >2000 mg/kg bodyweight; Rat; Experimental value)
ATE US (oral)	1870 mg/kg body weight
<b>Octenylsuccinic Acid (28805-58-5)</b>	
LD50 oral rat	1190 mg/kg
LD50 dermal rabbit	1750 mg/kg
<b>Sodium Silicate (1344-09-8)</b>	
LD50 oral rat	> 2000 mg/kg (Rat)
<b>Poly(acrylic acid sodium salt) (9003-04-7)</b>	
LD50 oral rat	> 40000 mg/kg (Rat)

Skin corrosion/irritation	: Causes severe skin burns and eye damage. pH: 12
Serious eye damage/irritation	: Causes serious eye damage. pH: 12
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity – single exposure	: Not classified
Specific target organ toxicity – repeated exposure	: Not classified
Aspiration hazard	: Not classified
Potential Adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.
Symptoms/effects	: Causes severe skin burns and eye damage.
Symptoms/effects after eye contact	: Causes serious eye damage.

## SECTION 12: Ecological information

### 12.1. Toxicity

<b>Potassium Hydroxide (1310-58-3)</b>	
LC50 fish 2	80 mg/l (LC50; 96 h; Gambusia affinis; Static system; Fresh water)
<b>Potassium Carbonate (584-08-7)</b>	
LC50 fish 1	200 mg/l (LC50; 72 h; Pisces)
EC50 Daphnia 1	200 mg/l (EC50; FIFRA 72-1; 48 h; Daphnia pulex; Static system; Fresh water; Experimental value)
LC50 fish 2	68 mg/l (LC50; FIFRA 72-1; 96 h; Oncorhynchus mykiss; Flow-through system; Fresh water; Experimental value)
EC50 Daphnia 2	120 mg/l (NOEC; FIFRA 72-1; 48 h; Daphnia pulex; Static system; Fresh water; Experimental value)
<b>Octenylsuccinic Acid (28805-58-5)</b>	
EC50 Daphnia 1	22 mg/l
<b>Sodium Silicate (1344-09-8)</b>	
EC50 Daphnia 1	216 mg/l (EC50; 96 h)
LC50 fish 2	3185 mg/l (LC50; 96 h)

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<b>Poly(acrylic acid sodium salt) (9003-04-7)</b>	
LC50 fish 1	> 100 mg/l (LC50; OECD 203: Fish, Acute Toxicity Test; 96 h; Oryzias latipes)
EC50 Daphnia 1	> 100 mg/l (EC50; OECD 202: Daphnia sp. Acute Immobilisation Test; 48 h; Daphnia magna)
Threshold limit algae 1	> 100 mg/l (EC50; OECD 201: Alga, Growth Inhibition Test; 72 h; Scenedesmus subspicatus)

### 12.2. Persistence and degradability

<b>A-100S Liquid Jet Wash Detergent</b>	
Persistence and degradability	Not established.

<b>Potassium Hydroxide (1310-58-3)</b>	
Persistence and degradability	Biodegradability: not applicable.
Biochemical oxygen demand (BOD)	Not applicable
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable

<b>Potassium Carbonate (584-08-7)</b>	
Persistence and degradability	Biodegradability: not applicable. No (test)data on mobility of the substance available.
Biochemical oxygen demand (BOD)	Not applicable
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable

<b>Octenylsuccinic Acid (28805-58-5)</b>	
Persistence and degradability	Not established.

<b>Sodium Silicate (1344-09-8)</b>	
Persistence and degradability	Biodegradability: not applicable. No (test)data on mobility of the components available.
Biochemical oxygen demand (BOD)	Not applicable
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable

<b>Poly(acrylic acid sodium salt) (9003-04-7)</b>	
Persistence and degradability	Not readily biodegradable in water.

### 12.3. Bioaccumulative potential

<b>A-100S Liquid Jet Wash Detergent</b>	
Bioaccumulative potential	Not established.

<b>Potassium Hydroxide (1310-58-3)</b>	
Bioaccumulative potential	Bioaccumulation: not applicable.

<b>Potassium Carbonate (584-08-7)</b>	
Bioaccumulative potential	Bioaccumulation: not applicable.

<b>Octenylsuccinic Acid (28805-58-5)</b>	
Bioaccumulative potential	Not established.

<b>Sodium Silicate (1344-09-8)</b>	
Bioaccumulative potential	Bioaccumulation: not applicable.

<b>Poly(acrylic acid sodium salt) (9003-04-7)</b>	
Bioaccumulative potential	Low potential for bioaccumulation (molecular mass $\geq 700$ g/mol).

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

Effect on the global warming : No known effects from this product.  
GWPmix comment : No known effects from this product.

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Other information : Avoid release to the environment.

### SECTION 13: Disposal considerations

#### 13.1. Disposal methods

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

Ecology - waste materials : Avoid release to the environment.

### SECTION 14: Transport information

#### Department of Transportation (DOT)

In accordance with DOT

Not regulated

### SECTION 15: Regulatory information

#### 15.1. US Federal regulations

##### Potassium Hydroxide (1310-58-3)

Listed on the United States TSCA (Toxic Substances Control Act) inventory  
Not subject to reporting requirements of the United States SARA Section 313

CERCLA RQ 1000 lb

##### Potassium Carbonate (584-08-7)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

##### Octenylsuccinic Acid (28805-58-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

##### Sodium Silicate (1344-09-8)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

##### Poly(acrylic acid sodium salt) (9003-04-7)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

##### Alcohols, C8-10, ethoxylated propoxylated (68603-25-8)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

#### 15.2. International regulations

##### CANADA

No additional information available

##### Potassium Carbonate (584-08-7)

Listed on the Canadian DSL (Domestic Substances List)

##### EU-Regulations

No additional information available

##### National regulations

No additional information available

#### 15.3. US State regulations

##### Potassium Hydroxide (1310-58-3)

U.S. - Massachusetts - Right To Know List  
U.S. - New Jersey - Right to Know Hazardous Substance List  
U.S. - Pennsylvania - RTK (Right to Know) List

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### SECTION 16: Other information

Revision date : 10/05/2017  
Other information : None.

Full text of H-phrases:

Acute Tox. 4 (Dermal)	Acute toxicity (dermal) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Eye Dam. 1	Serious eye damage/eye irritation Category 1
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Skin Corr. 1A	Skin corrosion/irritation Category 1A
Skin Irrit. 2	Skin corrosion/irritation Category 2
H302	Harmful if swallowed
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation

SDS US (GHS HazCom 2012)

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*