

**Safety Data Sheet**  
**APW PRO WHITE<sub>500</sub>**  
SDS Revision Date: 07/31/2020

**1. Product and Company Name**

**1.1. Product identifier**

**Product Identity** APW PRO WHITE<sub>500</sub>  
**Alternate Names** NA ID NO: 500.20

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

**Intended use** See Product Label  
**Application Method** See Technical Data Sheet.

**1.3. Details of the supplier of the safety data sheet**

**Company Name** Hydrus Detergents  
2621 7<sup>th</sup> Avenue South  
Estherville, IA. 51334

**1.4 Medical and Emergency Spill Information**

**FOR EMERGENCY SPILL, LEAK, FIRE, EXPOSURE CALL 24/7** CHEMTREC (800) 424-9300  
Outside U.S. (303) 527-3887

**Customer Service: Hydrus Detergents** PHONE: (712) 765-1060  
FAX: (712) 765-1062

**2. Hazard identification of the product**

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

Acute Tox. 5;H303	May be harmful if swallowed. (Not adopted by US OSHA)
Skin Corr. 1B;H314	May cause severe skin burns and eye damage.
Eye Dam. 1;H318	May cause serious eye damage.
Skin Sens. 1;H317	May cause an allergic skin reaction.
STOT SE 3;H335	May cause respiratory irritation.

**2.2. Label elements**

Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows.



**Danger**

H303 May be harmful if swallowed.  
H314 May cause severe skin burns and eye damage.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H335 May cause respiratory irritation.

**[Prevention]:**

P261 Avoid breathing dust / fume / gas / mist / vapors / spray.  
P264 Wash thoroughly after handling.  
P271 Use in a well-ventilated area.  
P280 Wear protective gloves / eye protection / face protection.

**[Response]:**

P301+330+331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P302+352 IF ON SKIN: Wash with plenty of soap and water.

P303+361+353 IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.

P305+351+338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.

P333+313 If skin irritation or a rash occurs: Get medical advice / attention.

P340 Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P363 Wash contaminated clothing before reuse.

P391 Collect spillage.

**[Storage]:**

P405 Store locked up.

**[Disposal]:**

P501 Dispose of contents / container in accordance with local / national regulations.

### 3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

Ingredient/Chemical Designations	Weight %
Disodium metasilicate CAS Number: 0006834-92-0	30 - 60
pentasodium triphosphate CAS Number: 0007758-29-4	30 - 60
Sodium carbonate CAS Number: 0000497-19-8	10 - 30
Ethylene glycol monobutyl ether CAS Number: 0000111-76-2	1.0 - 10
D-Limonene CAS Number: 0005989-27-5	1.0 - 05
Surfactant blend CAS Number: Proprietary	1.0 - 10

### 4. First aid measures

#### 4.1. Description of first aid measures

**General**

In all cases of doubt, or when symptoms persist, seek medical attention.  
Never give anything by mouth to an unconscious person.

**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.

**Inhalation**

If coughing or sneezing occurs move to fresh air.

**Eyes**

Allow streaming water to flow over the face while blinking both eyes for 15 minutes for optimum irrigation. Get medical attention.

**Skin**

In case of skin contact, immediately flush skin with plenty of water for at least 15 minutes. Seek medical attention if irritation persists.

**Ingestion**

Do NOT induce vomiting. Give water or milk of Magnesia. If vomiting occurs, keep airways clear. Seek immediate medical attention.

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

**Overview**

IMMEDIATE CONCERNS: CAUTION: May Cause eye or skin burns. Avoid dust accumulation.

POTENTIAL SIDE EFFECTS:

EYES: Tissue destruction and permanent eye damage may occur if not treated immediately.

SKIN: Can be a severe irritant. May be corrosive and cause severe burns.

INGESTION: Corrosive to mucous membranes of the mouth, esophagus, stomach & throat.

INHALATION: Coughing or sneezing may occur due to exposure to airborne dust. Lung Damage may occur due to overexposure.

SIGNS AND SYMPTOMS OF OVEREXPOSURE:

EYES: irritation and burn may occur.

SKIN: Severe skin irritation.

INHALATION: Severe irritation and burning.

INGESTION: NA.

ACUTE TOXICITY: Eye, skin and lung burning may occur with exposure to airborne dust. Avoid dust.

TARGET ORGAN STATEMENT: Contains material which may cause gastrointestinal tract and respiratory tract.

See section 2 for further details.

**Eyes**

May cause serious eye damage.

**Skin**

May cause an allergic skin reaction. Causes severe skin burns and eye damage.

**Ingestion**

May be harmful if swallowed. (Not adopted by US OSHA)

## 5. Fire-fighting measures

**5.1. Extinguishing media:** Water, carbon dioxide, foam, dry chemical.

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

Hazardous decomposition: Heat

Avoid breathing dust / fume / gas / mist / vapors / spray.

### 5.3. Advice for fire-fighters

Respiratory and eye protection are required for fire -fighting personnel. Full protective equipment and self- contained breathing apparatus should be used for all indoor fires and any significant outdoor fires.

**ERG Guide No.** ----

## 6. Accidental release measures

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

Put on appropriate personal protective equipment (see section 8).

### 6.2. Environmental precautions

Do not allow spills to enter drains or waterways.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

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

**SMALL SPILL:** Sweep up spilled material and reuse. Small residue can be flushed with water.

**LARGE SPILL:** Sweep up spilled material and reuse.

**WATER SPILL:** Use appropriate containment to avoid runoff.

**LAND SPILL:** Use appropriate containment to avoid runoff.

**RELEASE NOTES:** If spill could potentially enter any waterway, including intermittent dry creeks, contact the local authorities. If in the US, contact the US Coast Guard National Response Center toll free at 800-424-8802.

## 7. Handling and storage

### 7.1. Precautions for safe handling

Handle in a well ventilated area. Handle and use in a manner consistent with good industrial and/or manufacturing techniques and practices.

See section 2 for further details. - [Prevention]:

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

Handle containers carefully to prevent damage and spillage.

Incompatible materials: Strong Acids

**STORAGE:** Store in a cool dry area. Keep container closed when not in use.

See section 2 for further details. - [Storage]:

**7.3. Specific end use(s):** Industrial parts washer detergent

## 8. Exposure controls and personal protection

### 8.1. Control parameters

#### EXPOSURE

CAS No.	Ingredient	Source	Value
0000111-76-2	Ethylene glycol monobutyl ether	OSHA	TWA 50 ppm (240 mg/m <sup>3</sup> ) [skin]
		ACGIH	TWA: 20 ppm Revised 2003,
		NIOSH	TWA 5 ppm (24 mg/m <sup>3</sup> ) [skin]
		Supplier	No Established Limit
0006834-92-0	Disodium metasilicate	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	ACHAN TLV/OSHA 2mg/m <sup>3</sup> PEL 2mg/m <sup>3</sup>

Carcinogen Data: No suspected or known carcinogens

### 8.2. Exposure controls

#### Respiratory

NA

#### Eyes

Safety glasses or goggles.

#### Skin

Chemical resistant gloves.

#### Engineering Controls

Provide adequate ventilation to control airborne levels.

#### Other Work Practices

Facilities storing or using this material should be equipped with an eyewash facility and a safety shower. Good personal hygiene practices should always be followed. Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details. - [Prevention]:

## 9. Physical and chemical properties

<b>Appearance</b>	Granular White Powder
<b>Odor</b>	Citrus
<b>Odor threshold</b>	Not Measured
<b>pH</b>	12.4 (4 oz. solution)
<b>Melting point / freezing point</b>	Not Measured
<b>Initial boiling point and boiling range</b>	NA
<b>Flash Point</b>	NA
<b>Evaporation rate (Ether = 1)</b>	Not Measured
<b>Flammability (solid, gas)</b>	Not Applicable
<b>Upper/lower flammability or explosive limits</b>	<b>Lower Explosive Limit:</b> Not Measured <b>Upper Explosive Limit:</b> Not Measured
<b>Vapor pressure (Pa)</b>	NA
<b>Vapor Density</b>	(AIR=1) NA
<b>Specific Gravity</b>	1
<b>Solubility in Water</b>	Soluble
<b>Partition coefficient n-octanol/water (Log Kow)</b>	Not Measured
<b>Auto-ignition temperature</b>	Not Measured
<b>Decomposition temperature</b>	Not Measured
<b>Viscosity (cSt)</b>	NA

9.2. Other information: No other relevant information.

## 10. Stability and reactivity

- 10.1. **Reactivity:** Hazardous Polymerization will not occur.
- 10.2. **Chemical stability:** Stable under normal ambient conditions of temperature and pressure.
- 10.3. **Possibility of hazardous reactions:** No data available.
- 10.4. **Conditions to avoid:** NA
- 10.5. **Incompatible materials:** Strong Acids
- 10.6. **Hazardous decomposition products:** Heat

## 11. Toxicological information

### Acute toxicity

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LD50, mg/L/4hr	Inhalation Dust/Mist LD50, mg/L/4hr	Inhalation Gas LD50, ppm
Disodium metasilicate - (6834-92-0)	1,153.00, Rat - Category: 4	No data available	No data available	No data available	No data available
pentasodium triphosphate - (7758-29-4)	3,120.00, Rat - Category: 5	No data available	No data available	No data available	No data available
Sodium carbonate - (497-19-8)	4,090.00, Rat - Category: 5	No data available	No data available	No data available	No data available
Ethylene glycol monobutyl ether - (111-76-2)	1,414.00, Guinea Pig - Category: 4	1,200.00, Guinea Pig - Category: 4	173.00, Guinea Pig - Category: NA	No data available	No data available
D-Limonene - (5989-27-5)	4,400.00, Rat - Category: 5	5,000.00, Rabbit - Category: 5	No data available	No data available	No data available

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Classification	Category	Hazard Description
Acute toxicity (oral)	5	May be harmful if swallowed. (Not adopted by US OSHA)
Acute toxicity (dermal)	---	Not Applicable
Acute toxicity (inhalation)	---	Not Applicable
Skin corrosion/irritation	1B	May cause severe skin burns and eye damage.
Serious eye damage/irritation	1	May cause serious eye damage.
Respiratory sensitization	---	Not Applicable
Skin sensitization	1	May cause an allergic skin reaction.

Germ cell mutagenicity	---	Not Applicable
Carcinogenicity	---	Not Applicable
Reproductive toxicity	---	Not Applicable
STOT-single exposure	---	Not Applicable
STOT-repeated exposure	---	Not Applicable
Aspiration hazard	---	Not Applicable

## 12. Ecological information

### 12.1. Toxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Disodium metasilicate - (6834-92-0)	210.00, Danio rerio	33.53, Ceriodaphnia dubia	400.00 (72 hr), Pseudokirchneriella subcapitata
Sodium carbonate - (497-19-8)	300.00, Lepomis macrochirus	265.00, Daphnia magna	242.00 (72 hr), Freshwater Algae
Ethylene glycol monobutyl ether - (111-76-2)	220.00, Fish (Piscis)	1,000.00, Daphnia magna	Not Available
D-Limonene - (5989-27-5)	0.702, Pimephales promelas	0.577, Daphnia magna	Not Available
Surfactant blend - (Proprietary)	Not Available	Not Available	Not Available

**12.2. Persistence and degradability:** There is no data available on the preparation itself.

**12.3. Bioaccumulative potential:** Not Measured

**12.4. Mobility in soil:** No data available

**12.5. Results of PBT and vPvB assessment:** This product contains no PBT/vPvB chemicals.

**12.6. Other adverse effects:** No data available.

## 13. Disposal considerations

**13.1. Waste treatment methods:** Observe all federal, state and local regulations when disposing of this substance.

## 14. Transport information

	DOT (Domestic Surface Transportation)	IMO / IMDG (Ocean Transportation)	ICAO/IATA
<b>14.1. UN number</b>	Not Applicable	Not Regulated	Not Regulated
<b>14.2. UN proper shipping name</b>	Not Regulated	Not Regulated	Not Regulated
<b>14.3. Transport hazard class(es)</b>	DOT Hazard Class: Not Applicable DOT Label: ---	IMDG: Not Applicable Sub Class: Not Applicable	Air Class: Not Applicable
<b>14.4. Packing group</b>	Not Applicable	Not Applicable	Not Applicable
<b>14.5. Environmental hazards</b>			
IMDG	Marine Pollutant: No		
<b>14.6. Special precautions for user:</b>	No further information		

## 15. Regulatory information

**Regulatory Overview** The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

**Toxic Substance Control Act (TSCA)** All components of this material are either listed or exempt from listing on the TSCA Inventory.

**WHMIS Classification** D2B E

**US EPA Tier II Hazards**

Fire: No

Sudden Release of Pressure: No

Reactive: No

Immediate (Acute): Yes

Delayed (Chronic): No

**EPCRA 311/312 Chemicals and RQs (lbs.):** pentasodium triphosphate (5,000.00)

**EPCRA 302 Extremely Hazardous :** (No Product Ingredients Listed)

**EPCRA 313 Toxic Chemicals:** Ethylene glycol monobutyl ether

**Proposition 65 - Carcinogens (>0.0%):** (No Product Ingredients Listed)

**Proposition 65 - Developmental Toxins (>0.0%):** (No Product Ingredients Listed)

**Proposition 65 - Female Repro Toxins (>0.0%):** (No Product Ingredients Listed)

**Proposition 65 - Male Repro Toxins (>0.0%):** (No Product Ingredients Listed)

**N.J. RTK Substances (>1%):** Ethylene glycol monobutyl ether

**Penn RTK Substances (>1%):** Ethylene glycol monobutyl ether, pentasodium triphosphate

#### 16. Other information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

We believe this Safety Data Sheet conforms to the requirements of US OSHA 29 CFR 1910.1200, 91/155/EEC and Canadian Hazardous Products Act. We believe the information contained on this Safety Data Sheet is current and offered in good faith. The information is provided for your guidance only. Hydrus Detergents makes no warranty of any kind, express or implied, concerning the accuracy or completeness of the information and data herein. It is the user's obligation to determine the suitability of this product for a specific purpose and the conditions for safe use of the product. We reserve the right to revise this Safety Data Sheet as newer information becomes available. Hydrus Detergents makes no warranty of any kind.

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