



# Safety Data Sheet

Issuing Date 21-Jan-2019

Revision Date 21-Jan-2019

Revision Number 3

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### Product identifier

**Product Name** HYDREX™ A-Plus

### Other means of identification

**Product Code** HYDAPL

### Recommended use of the chemical and restrictions on use

**Recommended Use** Technical cleaning agent.

**Uses advised against**

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

**Manufacturer Address** Vantage Specialties, Inc.  
3938 Porett Drive  
Gurnee, IL 60031 USA  
+1 847-244-3410

### Emergency Telephone Number

**Emergency Telephone Number** CHEMTREC International: +1-703-527-3887

## 2. HAZARDS IDENTIFICATION

### Classification

This is not a dangerous substance or mixture according to the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS)

### Label Elements

#### EMERGENCY OVERVIEW

Not Hazardous

**Color** Colorless

**Physical State** Liquid

**Odor** Mild

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Chemical nature** Mixture of non-hazardous ingredients.

## 4. FIRST AID MEASURES

### FIRST AID MEASURES

#### **Eye contact**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

<b>Skin contact</b>	IF ON SKIN: Rinse exposed skin with plenty of water.
<b>Inhalation</b>	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
<b>Ingestion</b>	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Contact a doctor/physician if exposed or you feel unwell.

**Most important symptoms and effects, both acute and delayed**

**Symptoms** None identified.

**Indication of any immediate medical attention and special treatment needed**

**Notes to Physician** Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

<b><u>Suitable extinguishing media</u></b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
<b>Unsuitable extinguishing media</b>	None known.
<b><u>Specific hazards arising from the chemical</u></b>	None identified.
<b>Hazardous combustion products</b>	Carbon oxides.
<b><u>Explosion Data</u></b>	
<b>Sensitivity to Mechanical Impact</b>	None.
<b>Sensitivity to Static Discharge</b>	None.
<b><u>Protective equipment and precautions for firefighters</u></b>	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

<b>Personal Precautions</b>	Ensure adequate ventilation. Wear protective gloves/clothing and eye/face protection.
<b>For emergency responders</b>	Use personal protective equipment as required.

**Environmental precautions**

<b>Environmental precautions</b>	Prevent release to surface water.
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**Methods and material for containment and cleaning up**

<b>Methods for Containment</b>	Dike to collect large liquid spills.
<b>Methods for Cleaning Up</b>	Absorb with inert material and transfer to containers for disposal.

## 7. HANDLING AND STORAGE

**Precautions for safe handling**

<b>Handling</b>	Handle in accordance with good industrial hygiene and safety practice.
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**Conditions for safe storage, including any incompatibilities**

<b>Storage</b>	Keep containers tightly closed in a dry, cool and well-ventilated place.
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**Incompatible materials** Strong oxidizing agents.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

**Exposure Guidelines** This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

### Appropriate engineering controls

**Engineering Measures** Ventilation systems. Showers. Eyewash stations.

### Individual protection measures, such as personal protective equipment

**Eye/Face Protection** Safety glasses with side-shields.

**Skin and Body Protection** Protective gloves. Long sleeved clothing.

**Respiratory Protection** In case of inadequate ventilation wear respiratory protection.

**Hygiene Measures** Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Physical State</b>	Liquid	<b>Odor</b>	Mild
<b>Appearance</b>	Clear to hazy	<b>Odor threshold</b>	Not determined
<b>Color</b>	Colorless		
<b>Property</b>	<b>Values</b>	<b>Remarks • Method</b>	
<b>pH</b>	6 - 8	10% aqueous	
<b>Melting point / freezing point</b>		Not determined	
<b>Boiling point / boiling range</b>	> 200 °C		
<b>Flash Point</b>	> 100 °C °F	CC (closed cup)	
<b>Evaporation Rate</b>		Not determined	
<b>Flammability (solid, gas)</b>		Not determined	
<b>Flammability Limit in Air</b>		Not determined	
<b>Upper flammability limit</b>			
<b>Lower Flammability Limit</b>			
<b>Vapor pressure</b>	< 1	mm Hg	
<b>Vapor Density</b>		Not determined	
<b>Specific Gravity</b>	0.96	@ 25°C	
<b>Water Solubility</b>	Emulsifies		
<b>Solubility in other solvents</b>		Not determined	
<b>Partition coefficient</b>			
<b>Autoignition Temperature</b>		Not determined	
<b>Decomposition temperature</b>		Not determined	
<b>Kinematic viscosity</b>		Not determined	
<b>Dynamic viscosity</b>		Not determined	
<b>Explosive Properties</b>	None		
<b>Oxidizing Properties</b>	None		

### Other Information

## 10. STABILITY AND REACTIVITY

**Reactivity** Not reactive

**Remarks**

**Chemical stability** Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**

**Hazardous Reactions** None under normal processing.  
**Hazardous Polymerization** Hazardous polymerization does not occur.

**Conditions to Avoid** Excessive heat.

**Incompatible materials** Strong oxidizing agents.

**Hazardous Decomposition Products**

None identified.

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure**

**Product Information** The ingredients of this product do not present an acute toxicity hazard based on published data.

**Inhalation** No known hazard.

**Eye contact** Not irritating to eyes.

**Skin contact** Not irritating to skin.

**Ingestion** Ingestion may cause stomach discomfort.

**Information on toxicological effects**

**Symptoms** None known.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Skin corrosion/irritation** No known hazard.  
**Serious eye damage/eye irritation** No known hazard.  
**Sensitization** No known hazard.  
**Mutagenic Effects** No known hazard.  
**Carcinogenicity** Contains no listed human carcinogens at greater than 0.1%.

**Reproductive Toxicity** No known hazard.

**STOT - single exposure** No known hazard.

**STOT - repeated exposure** No known hazard.  
**Aspiration hazard** No known hazard.

**Numerical measures of toxicity-Product Information**

**ATEmix (oral)** > 2000 mg/kg

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

The ingredients of this product are not toxic to aquatic organisms.

**Persistence and degradability**

Not expected to be persistent in the aquatic environment.

**Bioaccumulation/Accumulation**

The ingredients of this product are not bioaccumulative.

**Mobility**

Will likely be mobile in the environment due to its water solubility.

**Other Adverse Effects****13. DISPOSAL CONSIDERATIONS****Waste treatment methods**

**Waste Disposal Method** Dispose of in accordance with applicable regulations.

**Contaminated Packaging** Dispose of in accordance with applicable regulations.

**14. TRANSPORT INFORMATION**

**DOT** Not regulated

**IATA** Not regulated

**IMDG / IMO** Not regulated

**15. REGULATORY INFORMATION****International Inventories**

<b>TSCA</b>	Complies
<b>DSL</b>	Complies
<b>ENCS</b>	Complies
<b>IECSC</b>	Complies
<b>KECL</b>	Complies
<b>PICCS</b>	Complies
<b>AICS</b>	Complies

**Legend**

*TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*  
*DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List*  
*EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*  
*ENCS - Japan Existing and New Chemical Substances*  
*IECSC - China Inventory of Existing Chemical Substances*  
*KECL - Korean Existing and Evaluated Chemical Substances*  
*PICCS - Philippines Inventory of Chemicals and Chemical Substances*  
*AICS - Australian Inventory of Chemical Substances*

**U.S. Federal Regulations****SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**SARA 311/312 Hazard Categories**

Acute health hazard	No
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

**Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

**U.S. State Regulations****U.S. State Right-to-Know Regulations**

This product does not contain any substances regulated by state right-to-know regulations

**16. OTHER INFORMATION**

<b><u>NFPA</u></b>	<b>Health Hazard</b> 0	<b>Flammability</b> 1	<b>Instability</b> 0	<b>Physical and Chemical Hazards</b> n/a
<b><u>HMIS</u></b>	<b>Health Hazard</b> 0	<b>Flammability</b> 1	<b>Physical hazards</b> 0	<b>Personal Precautions</b> X

<b>Issuing Date</b>	21-Jan-2019
<b>Revision Date</b>	21-Jan-2019
<b>Revision Note</b>	
<b>Reason for Revision</b>	Periodic review and update

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**

HYDREX is a trademark of Vantage Specialties, Inc.