



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.

Skin contact	IF ON SKIN: Rinse exposed skin with plenty of water.
Inhalation	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
Ingestion	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

<u>Suitable extinguishing media</u>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media	None known.
<u>Specific hazards arising from the chemical</u>	None identified.
Hazardous combustion products	Carbon oxides.
<u>Explosion Data</u>	
Sensitivity to Mechanical Impact	None.
Sensitivity to Static Discharge	None.
<u>Protective equipment and precautions for firefighters</u>	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

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

Environmental precautions

Environmental precautions	Prevent release to surface water.
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Methods and material for containment and cleaning up

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

7. HANDLING AND STORAGE

Precautions for safe handling

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

Storage	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

Physical State	Liquid	Odor	Mild
Appearance	Clear to hazy	Odor threshold	Not determined
Color	Colorless		

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

TSCA	Complies
DSL	Complies
ENCS	Complies
IECSC	Complies
KECL	Complies
PICCS	Complies
AICS	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

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

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Revision Note
Reason for Revision 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.