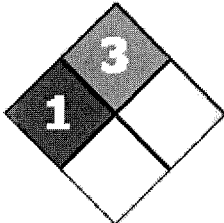







## Material Safety Data Sheet

NFPA	HMIS	PPE	Transport Symbol						
	<table><tr><td>Health Hazard</td><td>1*</td></tr><tr><td>Fire Hazard</td><td>3</td></tr><tr><td>Reactivity</td><td>0</td></tr></table>	Health Hazard	1*	Fire Hazard	3	Reactivity	0	 	
Health Hazard	1*								
Fire Hazard	3								
Reactivity	0								

\*Indicates a chronic health hazard.

Issuing Date 05-Jun-2008

Revision Date

Revision Number 0

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** Ivy-Dry Kids with Zytrel™

**Product Code(s)** IV-1105-00/BSC-198-18

**UN-No** UN1993

**Recommended Use** Skin-care.

**Supplier Address**

Ivy Dry, Inc.  
299-B Fairfield Ave  
Fairfield, NJ 07004  
Telephone: 1-800-443-8856

**Emergency Telephone Number** CHEMTREC: +1-703-527-3887 (INTERNATIONAL)  
1-800-424-9300 (NORTH AMERICA)

## 2. HAZARDS IDENTIFICATION

### CAUTION!

#### Emergency Overview

##### FLAMMABLE LIQUID

May be harmful if swallowed, inhaled, or absorbed through skin  
 May cause skin, eye, and respiratory tract irritation  
 May cause central nervous system depression

**Appearance** Colorless

**Physical State** Liquid.

**Odor** Alcohol

#### Potential Health Effects

##### Principle Routes of Exposure

Inhalation, Skin contact, Eye contact.

##### Acute Toxicity

###### Eyes

May cause irritation.

###### Skin

May cause irritation.

###### Inhalation

Not an expected route of exposure. Inhalation of vapors in high concentration may cause irritation of respiratory system. May cause central nervous system depression with nausea, headache, dizziness, vomiting, and incoordination.

###### Ingestion

May be harmful if swallowed. Ingestion may cause irritation to mucous membranes. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. May cause central nervous system depression.

##### Chronic Effects

Prolonged skin contact may defat the skin and produce dermatitis.

##### Aggravated Medical Conditions

Preexisting eye disorders, Skin disorders, Respiratory disorders, Liver disorders.

##### Interactions with Other Chemicals

Chlorinated hydrocarbons.

##### Environmental Hazard

See Section 12 for additional Ecological Information.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Isopropyl alcohol	67-63-0	10-30
Zinc acetate	557-34-6	1-5
Glycerin	56-81-5	1-5
Zinc lactate	16039-53-5	0.1-1
Panthenol	16485-10-2	0.1-1
Zinc gluconate	4468-02-4	0.1-1
Isoceteth-10	69364-63-2	0.1-1
Polyquaternium-10	81859-24-7	0.1-1

#### 4. FIRST AID MEASURES

<b>Eye Contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.
<b>Skin Contact</b>	Wash skin with soap and water. In the case of skin irritation or allergic reactions see a physician.
<b>Inhalation</b>	Not expected. Move to fresh air in case of accidental inhalation of vapors or decomposition products. If symptoms persist, call a physician.
<b>Ingestion</b>	Do NOT induce vomiting. Rinse mouth. Drink plenty of water. Never give anything by mouth to an unconscious person. Consult a physician.
<b>Notes to Physician</b>	Treat symptomatically.
<b>Protection of First-aiders</b>	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

#### 5. FIRE-FIGHTING MEASURES

<b>Flammable Properties</b>	Flammable.
<b>Flash Point</b>	97°F / 36°C
<b>Suitable Extinguishing Media</b>	Dry chemical, CO <sub>2</sub> , water spray or regular foam. Use water spray or fog; do not use straight streams. Move containers from fire area if you can do it without risk.
<b>Unsuitable Extinguishing Media</b>	CAUTION: All these products have a very low flash point. Use of water spray when fighting fire may be inefficient.
<b>Hazardous Combustion Products</b>	Carbon monoxide, Carbon dioxide (CO <sub>2</sub> ).
<b>Explosion Data</b>	
<b>Sensitivity to Mechanical Impact</b>	None
<b>Sensitivity to Static Discharge</b>	None
<b>Specific hazards arising from the chemical</b>	Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks). Vapor explosion hazard indoors, outdoors or in sewers. Runoff to sewer may create fire or explosion hazard.
<b>Protective Equipment and Precautions for Firefighters</b>	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

<b>NFPA</b>	<b>Health Hazard 1</b>	<b>Flammability 3</b>	<b>Stability 0</b>	<b>Physical and Chemical Hazards -</b>
<b>HMIS</b>	<b>Health Hazard 1*</b>	<b>Flammability 3</b>	<b>Physical Hazard 0</b>	<b>Personal Protection B</b>

\*Indicates a chronic health hazard.

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). All equipment used when handling the product must be grounded. Do not touch or walk through spilled material. Stop leak if you can do it without risk.
<b>Methods for Containment</b>	Dike far ahead of liquid spill for later disposal. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. A vapor suppressing foam may be used to reduce vapors.
<b>Methods for Cleaning Up</b>	Use clean non-sparking tools to collect absorbed material.
<b>Other Information</b>	Water spray may reduce vapor; but may not prevent ignition in closed spaces.

## 7. HANDLING AND STORAGE

<b>Handling</b>	Ensure adequate ventilation. Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Do not eat, drink or smoke when using this product. Do not breathe vapors or spray mist.
<b>Storage</b>	Keep away from open flames, hot surfaces and sources of ignition. Keep containers tightly closed in a cool, well-ventilated place. Keep in properly labeled containers. Keep out of the reach of children.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Isopropyl alcohol 67-63-0	STEL = 400 ppm TWA: 200 ppm	TWA: 400 ppm TWA: 980 mg/m <sup>3</sup> (vacated) TWA: 400 ppm (vacated) TWA: 980 mg/m <sup>3</sup> (vacated) STEL: 1225 mg/m <sup>3</sup> (vacated) STEL: 500 ppm	IDLH: 2000 ppm 10% LEL TWA: 980 mg/m <sup>3</sup> TWA: 400 ppm STEL: 500 ppm STEL: 1225 mg/m <sup>3</sup>
Glycerin 56-81-5	TWA: 10 mg/m <sup>3</sup>	TWA: 15 mg/m <sup>3</sup> TWA: 5 mg/m <sup>3</sup> (vacated) TWA: 10 mg/m <sup>3</sup> (vacated) TWA: 5 mg/m <sup>3</sup>	

NIOSH IDLH: Immediately Dangerous to Life or Health

<b>Engineering Measures</b>	Showers Eyewash stations Ventilation systems
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### Personal Protective Equipment

#### Eye/Face Protection

Safety glasses with side-shields.

#### Skin and Body Protection

Protective gloves.

#### Respiratory Protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

<b>Hygiene Measures</b>	When using, do not eat, drink or smoke. Remove and wash contaminated clothing before re-use. Provide regular cleaning of equipment, work area and clothing.
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## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Colorless.	<b>Odor</b>	Alcohol.
<b>Odor Threshold</b>	No information available	<b>Physical State</b>	Liquid
<b>pH</b>	6.2-7.2		
<b>Flash Point</b>	97°F / 36°C	<b>Autoignition Temperature</b>	No information available
<b>Decomposition Temperature</b>	No information available	<b>Boiling Point/Range</b>	89°C / 192°F
<b>Melting Point/Range</b>	No information available	<b>Freezing Point</b>	0°C / 32°F
<b>Flammability Limits in Air</b>	No information available	<b>Explosion Limits</b>	No information available
<b>Specific Gravity</b>	0.98 - 1.02	<b>Water Solubility</b>	Miscible with water
<b>Solubility</b>	Soluble	<b>Evaporation Rate</b>	~1 (water = 1)
<b>Vapor Pressure</b>	>10 mm Hg	<b>Vapor Density</b>	>1 (air = 1)
<b>VOC Content</b>	17.50%w/w/1.46 lbs/gal		

## 10. STABILITY AND REACTIVITY

<b>Stability</b>	Stable under recommended storage conditions.
<b>Incompatible Products</b>	Strong oxidizing agents. Acids. Chlorinated compounds.
<b>Conditions to Avoid</b>	Heat, flames and sparks.
<b>Hazardous Decomposition Products</b>	Carbon monoxide (CO). Carbon dioxide (CO <sub>2</sub> ).
<b>Hazardous Polymerization</b>	Hazardous polymerization does not occur.

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

<b>Product Information</b>	May be harmful by inhalation, ingestion, or skin absorption.
<b>Irritation</b>	May cause skin and eye irritation.
<b>LD50 Oral VALUE (mg/kg)</b>	>5000 mg/kg (rat) estimated
<b>LD50 Dermal VALUE</b>	>2000 mg/kg (rabbit) estimated

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Isopropyl alcohol	4396 mg/kg ( Rat )	12800 mg/kg ( Rat ) 12870 mg/kg ( Rabbit )	72.6 mg/L ( Rat ) 4 h
Zinc acetate	2510 mg/kg ( Rat )		
Glycerin	12600 mg/kg ( Rat )	21900 mg/kg ( Rat )	570 mg/m <sup>3</sup> ( Rat ) 1 h
Polyquaternium-10	2 g/kg ( Rat )	1 g/kg ( Rabbit )	

### Chronic Toxicity

<b>Chronic Toxicity</b>	Prolonged skin contact may defat the skin and produce dermatitis.
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<b>Target Organ Effects</b>	Eyes, Respiratory system, Skin.
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## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

The environmental impact of this product has not been fully investigated. Ecotoxicity effects of component substances.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Isopropyl alcohol	EC50 > 1000 mg/L 72 h EC50 > 1000 mg/L 96 h	LC50= 11130 mg/L Pimephales promelas 96 h LC50= 9640 mg/L Pimephales promelas 96 h		EC50 = 13299 mg/L 48 h
Glycerin		LC50 51000 - 57000 mg/L Oncorhynchus mykiss 96 h		EC50 > 500 mg/L 24 h

Chemical Name	Log Pow
Isopropyl alcohol	25
Glycerin	1.76

## 13. DISPOSAL CONSIDERATIONS

<b>Waste Disposal Methods</b>	This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261).
<b>Contaminated Packaging</b>	Dispose of in accordance with local regulations.
<b>US EPA Waste Number</b>	D001

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical Name	California Hazardous Waste Status
Isopropyl alcohol	Toxic, Ignitable
Zinc acetate	Toxic
Zinc lactate	Toxic
Zinc gluconate	Toxic

## 14. TRANSPORT INFORMATION

### DOT

<b>Proper Shipping Name</b>	Flammable liquids, n.o.s.
<b>Hazard Class</b>	3
<b>UN-No</b>	UN1993
<b>Packing Group</b>	III
<b>Description</b>	UN1993, Flammable liquids, n.o.s. (Isopropyl alcohol), 3, PG III
<b>Emergency Response Guide Number</b>	128

### TDG

<b>Proper Shipping Name</b>	Flammable liquid, n.o.s.
<b>Hazard Class</b>	3
<b>UN-No</b>	UN1993
<b>Packing Group</b>	III
<b>Description</b>	UN1993, FLAMMABLE LIQUID, N.O.S. (Isopropyl alcohol), 3, PG III

### MEX

<b>Proper Shipping Name</b>	Flammable liquids, n.o.s.
<b>Hazard Class</b>	3
<b>UN-No</b>	UN1993
<b>Packing Group</b>	III

**14. TRANSPORT INFORMATION**

<b>Description</b>	UN1993, Flammable liquids, n.o.s. (Isopropyl alcohol), 3, III
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**ICAO**

<b>UN-No</b>	UN1993
<b>Proper Shipping Name</b>	Flammable liquid, n.o.s.
<b>Hazard Class</b>	3
<b>Packing Group</b>	III
<b>Description</b>	UN1993, Flammable liquid, n.o.s. (Isopropyl alcohol), 3, PG III

**IATA**

<b>UN-No</b>	UN1993
<b>Proper Shipping Name</b>	Flammable liquid, n.o.s.
<b>Hazard Class</b>	3
<b>Packing Group</b>	III
<b>ERG Code</b>	3L
<b>Description</b>	UN1993, Flammable liquid, n.o.s. (Isopropyl alcohol), 3, PG III

**IMDG/IMO**

<b>Proper Shipping Name</b>	Flammable liquid, n.o.s.
<b>Hazard Class</b>	3
<b>Subsidiary Class</b>	+
<b>UN-No</b>	UN1993
<b>Packing Group</b>	III
<b>EmS No.</b>	F-E, S-E
<b>Description</b>	UN1993, Flammable liquid, n.o.s. (Isopropyl alcohol), 3(+), PG III

**RID**

<b>Proper Shipping Name</b>	Flammable liquid, n.o.s.
<b>Hazard Class</b>	3
<b>UN-No</b>	UN1993
<b>Packing Group</b>	III
<b>Classification Code</b>	F1
<b>Description</b>	UN1993, Flammable liquid, n.o.s. (Isopropyl alcohol), 3, III, RID
<b>ADR/RID-Labels</b>	3

**ADR**

<b>Proper Shipping Name</b>	Flammable liquid, n.o.s.
<b>Hazard Class</b>	3
<b>UN-No</b>	UN1993
<b>Packing Group</b>	III
<b>Classification Code</b>	F1
<b>Description</b>	UN1993, Flammable liquid, n.o.s. (Isopropyl alcohol), 3, III

**ADN**

<b>Proper Shipping Name</b>	Flammable liquid, n.o.s.
<b>Hazard Class</b>	3
<b>Packing Group</b>	III
<b>Classification Code</b>	F1
<b>Special Provisions</b>	274, 330, 601, 640E
<b>Description</b>	UN1993, Flammable liquid, n.o.s. (Isopropyl alcohol), 3, III
<b>Hazard Labels</b>	3
<b>Limited Quantity</b>	LQ7
<b>Ventilation</b>	VE01

## 15. REGULATORY INFORMATION

### International Inventories

**TSCA** Complies

### Legend

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**EINECS/ELINCS** - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

**KECL** - Korean Existing and Evaluated 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 contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372: .

Chemical Name	CAS-No	Weight %	SARA 313 - Threshold Values %
Zinc acetate	557-34-6	1-5	1.0
Zinc lactate	16039-53-5	1-5	1.0
Zinc gluconate	4468-02-4	1-5	1.0

#### SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	Yes
Fire Hazard	Yes
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

#### Clean Water Act

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):.

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Zinc acetate	1000 lb	X		X

#### CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):.

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs
Zinc acetate	1000 lb	

### U.S. State Regulations

#### California Proposition 65

This product does not contain any Proposition 65 chemicals.

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

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Isopropyl alcohol	X	X	X		X



Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Zinc acetate	X	X	X		
Glycerin	X		X		X

**International Regulations****Mexico - Grade**

Serious risk, Grade 3

Chemical Name	Carcinogen Status	Exposure Limits
Isopropyl alcohol		Mexico: TWA= 400 ppm Mexico: TWA= 980 mg/m <sup>3</sup> Mexico: STEL= 1225 mg/m <sup>3</sup> Mexico: STEL= 500 ppm
Glycerin		Mexico: TWA= 10 mg/m <sup>3</sup>

**Canada**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

**WHMIS Hazard Class**

B2 Flammable liquid

D2B Toxic materials



Chemical Name	NPRI
Isopropyl alcohol	X

**Legend**

NPRI - National Pollutant Release Inventory

**16. OTHER INFORMATION****Prepared By**

Product Stewardship  
23 British American Blvd.  
Latham, NY 12110  
1-800-572-6501

**Issuing Date**

05-Jun-2008

**Revision Date****Revision Note**

No information available

**Disclaimer**

The information provided on this MSDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.

End of Safety Data Sheet