Material Safety Data Sheet

Issuing Date 01-May-2008 **Revision Date** 08-Mar-2010 **Revision Number** 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name **Ivy-Dry Super**

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. May be harmful if absorbed through skin.

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 Pre-existing 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	30-60
Benzyl alcohol	100-51-6	10-30
Zinc acetate	557-34-6	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
Camphor	76-22-2	0.1-1
Menthol	89-78-1	0.1-1

4. FIRST AID MEASURES

General Advice Call 911 or emergency medical service. Remove and isolate contaminated clothing and shoes.

Eye Contact In case of contact with substance, immediately flush skin or eyes with running water for at least 20 minutes.

Skin Contact Wash skin with soap and water.

Inhalation Move victim to fresh air. Apply artificial respiration if victim is not breathing. Administer oxygen if breathing is difficult.

Ingestion Do NOT induce vomiting. Rinse mouth. Drink plenty of water. Never give anything by mouth to an unconscious person. Consult a physician.

Notes to Physician Keep victim warm and quiet.

Protection of First-aiders Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. FIRE-FIGHTING MEASURES

Flammable Properties HIGHLY FLAMMABLE: Will be easily ignited by heat, sparks or flames. Containers may explode when heated. Many liquids are lighter than water.

Flash Point 84°F / 29°C

Suitable Extinguishing Media Dry chemical, CO_2, water spray or regular foam. Water spray, fog 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.

Unsuitable Extinguishing Media CAUTION: All these products have a very low flash point. Use of water spray when fighting fire may be inefficient.

Hazardous Combustion Products Carbon monoxide. Carbon dioxide (CO_2).

Explosion Data
Sensitivity to Mechanical Impact None.
Sensitivity to Static Discharge None.

Specific Hazards Arising from the Chemical 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.

Protective Equipment and Precautions for Firefighters As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

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

**Indicates a chronic health hazard.*

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions 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.

Environmental Precautions Prevent entry into waterways, sewers, basements or confined areas.

Methods for Containment A vapor suppressing foam may be used to reduce vapors. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Dike far ahead of liquid spill for later disposal.

Methods for Cleaning Up Use clean non-sparking tools to collect absorbed material.

Other Information Water spray may reduce vapor; but may not prevent ignition in closed spaces.

7. HANDLING AND STORAGE

Handling 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.

Storage 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^3 (vacated) TWA: 400 ppm (vacated) TWA: 980 mg/m^3 (vacated) STEL: 1225 mg/m^3 (vacated) STEL: 500 ppm	IDLH: 2000 ppm 10% LEL TWA: 980 mg/m^3 TWA: 400 ppm STEL: 500 ppm STEL: 1225 mg/m^3

NIOSH IDLH: Immediately Dangerous to Life or Health

Other Exposure Guidelines Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

Engineering Measures Showers
Eyewash stations
Ventilation systems

Personal Protective Equipment

Eye/Face Protection If splashes are likely to occur, wear: 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.

Hygiene Measures 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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Colorless.	**Odor**	Alcohol.
Odor Threshold	No information available	**Physical State**	Liquid
pH	6.2-6.5		
Flash Point	84°F / 29°C	**Autoignition Temperature**	No information available
Decomposition Temperature	No information available	**Boiling Point/Range**	82°C / 182°F
Melting Point/Range	No information available	**Freezing Point**	0°C / 32°F
Flammability Limits in Air	No information available	**Explosion Limits**	No information available
Specific Gravity	0.93 - 0.97	**Specific Gravity**	No data available
Water Solubility	Miscible with water	**Solubility**	Soluble.
Evaporation Rate	~1 (water = 1)	**Vapor Pressure**	>10 mm Hg
Vapor Density	>1 (air = 1)	**VOC Content(%)**	47.5

10. STABILITY AND REACTIVITY

Stability Stable under recommended storage conditions.

Incompatible Products Strong oxidizing agents. Acids. Chlorinated compounds.

Conditions to Avoid Heat, flames and sparks.

Hazardous Decomposition Products Carbon monoxide (CO). Carbon dioxide (CO_2).

Hazardous Polymerization Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information May be harmful by inhalation, ingestion, or skin absorption.

LD50 Oral VALUE >5000 mg/kg (rat) estimated
LD50 Dermal VALUE >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)		

Chronic Toxicity

Chronic Toxicity Prolonged skin contact may defat the skin and produce dermatitis.

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Isopropyl alcohol		Group 3		X

IARC: (International Agency for Research on Cancer)
Group 3 - Not Classifiable as to Carcinogenicity in Humans
OSHA: (Occupational Safety & Health Administration)
X - Present

Target Organ Effects Eyes. Respiratory system. Skin.

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 Desmodesmus subspicatus 96 h EC50: >1000 mg/L Desmodesmus subspicatus 72 h	LC50: 9640 mg/L Pimephales promelas 96 h flow-through LC50: 11130 mg/L Pimephales promelas 96 h static LC50: >1400000 µg/L Lepomis macrochirus 96 h		EC50: 13299 mg/L Daphnia magna 48 h

Chemical Name	Log Pow
Isopropyl alcohol	0.05

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261).

Contaminated Packaging Dispose of in accordance with local regulations.

US EPA Waste Number 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
Isopropyl alcohol	Toxic Ignitable
Zinc acetate	Toxic
Zinc lactate	Toxic
Zinc gluconate	Toxic

14. TRANSPORT INFORMATION

DOT

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

TDG

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

MEX

Proper Shipping Name	Flammable liquids, n.o.s.
Hazard Class	3
UN-No	UN1993
Packing Group	III
Description	UN1993, Flammable liquids, n.o.s. (Isopropyl alcohol), 3, III

ICAO

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

IATA

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

14. TRANSPORT INFORMATION

IMDG/IMO

Proper Shipping Name	Flammable liquid, n.o.s.
Hazard Class	3
UN-No	UN1993
Packing Group	III
EmS No.	F-E, S-E
Description	UN1993, Flammable liquid, n.o.s. (Isopropyl alcohol), 3, PG III, FP 29C

RID

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

ADR

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

ADN

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

15. REGULATORY INFORMATION

International Inventories

TSCA	Complies

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU 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 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 gluconate	4468-02-4	1	1.0
Zinc lactate	16039-53-5	1	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 gluconate		X		
Zinc lactate		X		

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

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				
Benzyl alcohol	X		X		
Zinc acetate	X	X	X		
Zinc lactate		X			
Zinc gluconate		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^3 Mexico: STEL= 1225 mg/m^3 Mexico: STEL= 500 ppm

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	01-May-2008
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Revision Note	Name change. Product Code change. (M)SDS sections updated. 3.

General 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