

Hydrocortisone 1%

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SAFETY DATA SHEET**SECTION 1. IDENTIFICATION**

Product identifier used on the label

: **Hydrocortisone 1%**

Other means of identification : 9341, 13407, 13413, 50091, 53104, 53106, 53110, 61008, 61016, 61023, 61029, 91173B

Recommended use of the chemical and restrictions on use

: Personal Care Applications
Restriction on use: None known

Chemical family

: Mixture.

Name, address, and telephone number
of the supplier:**Safetec of America, Inc.**887 Kensington Avenue Buffalo,
NY, USA 14215Name, address, and telephone number of
the manufacturer:

Refer to supplier

Supplier's Telephone # : 716-895-1822

24 Hr. Emergency Tel # : 1-800-255-3924

SECTION 2. HAZARDS IDENTIFICATION

Classification of the chemical

White cream. Slight alcohol odour.

This product is sold as a personal care item that is safe for consumers and other users under normal and reasonably foreseeable use. As such, it is not regulated under Hazcom 2012/WHMIS 2015 labeling and SDS requirements do not apply.

For informational purposes, this product would have the following OSHA Hazcom 2012 and WHMIS 2015 classification.
Flammable Liquid - Category 4
Reproductive toxicity - Category 2

Label elements

Hazard pictogram(s)



Signal Word

Warning!

Hazard statement(s)

Keep away from flames and hot surfaces. - No smoking.
Suspected of damaging fertility or the unborn child.

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Precautionary statement(s)

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Wear protective gloves/clothing and eye/face protection.

IF exposed or concerned: Get medical advice/attention.
In case of fire: Use water fog, dry chemical, CO₂ or 'alcohol' foam to extinguish.

Store locked up. Store in a well-ventilated place. Keep cool.
Dispose of contents/container in accordance with local regulation.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

<u>Chemical name</u>	<u>Common name and synonyms</u>	<u>CAS #</u>	<u>Concentration (% by weight)</u>
Ethanol	Ethyl alcohol Ethyl hydrate	64-17-5	Proprietary
Pregn-4-ene-3,20-dione, 11,17,21-trihydroxy-, (11.β.)-	Cortisol; Hydrocortisone	50-23-7	Proprietary

The exact concentrations of the above listed chemicals are being withheld as a trade secret.

SECTION 4. FIRST-AID MEASURES

Description of first aid measures

- Ingestion* : Harmful effects are not expected under normal usage. In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
- Inhalation* : Harmful effects are not expected under normal usage. In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
- Skin contact* : Harmful effects are not expected under normal usage. If skin irritation or rash occurs: Get medical advice/attention.
- Eye contact* : If in eyes: Rinse cautiously with water for several minutes. If eye irritation persists: get medical advice/attention.

Most important symptoms and effects, both acute and delayed

- : Suspected of damaging fertility or the unborn child. May cause an allergic skin reaction (e.g. hives, rash) in some hypersensitive individuals.

Indication of any immediate medical attention and special treatment needed

- : Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing media

- Suitable extinguishing media* : Dry chemicals. Foam. Carbon dioxide (CO₂). Water or fog spray.
- Unsuitable extinguishing media* : Do not use water jet as extinguisher, as this will spread the fire.

Special hazards arising from the substance or mixture / Conditions of flammability

- : Combustible liquid. May be ignited by open flames and sparks.

Flammability classification (OSHA 29 CFR 1910.106)

- : Flammable Liquid - Category 4

Hazardous combustion products

- : Carbon oxides

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Special protective equipment and precautions for firefighters

Protective equipment for fire-fighters

- : Firefighters should wear an approved full-face, self-contained breathing apparatus (SCBA) and impervious clothing.

Special fire-fighting procedures

- : Cool containers exposed to heat with water spray and remove container, if no risk is involved.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

- : Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate personal protective equipment.

Environmental precautions

- : Avoid release to the environment.

Methods and material for containment and cleaning up

- : Wipe up with absorbent material (e.g. cloth, fleece).

Special spill response procedures

- : Not applicable.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling

- : Keep away from heat and open flames. - No smoking. Do not ingest or swallow. Observe good industrial hygiene practices.

Conditions for safe storage

- : Keep containers closed when not in use.

Incompatible materials

- : Strong oxidizing agents.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Exposure Limits:</u>				
<u>Chemical Name</u>	<u>ACGIH TLV</u>		<u>OSHA PEL</u>	
	<u>TWA</u>	<u>STEL</u>	<u>PEL</u>	<u>STEL</u>
Ethanol	N/Av	1000 ppm	1000 ppm (1900 mg/m ³)	N/Av
Pregn-4-ene-3,20-dione, 11,17,21-trihydroxy-, (11.beta.)-	N/Av	N/Av	N/Av	N/Av

Exposure controls

Ventilation and engineering measures

- : None required under normal conditions.

Respiratory protection

- : None required under normal conditions.

Skin protection

- : None required under normal conditions.

Eye / face protection

- : None required under normal conditions.

Other protective equipment

- : None required when used as intended.

General hygiene considerations

- : Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

- : White cream.

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Odour : Slight alcohol odour.
Odour threshold : Not available.
pH : Not available.
Melting Point/Freezing point : Not available.

Initial boiling point and boiling range

: Not available.

Flash point : >60.5°C

Flashpoint (Method) : Closed cup

Evaporation rate (BuAe = 1) : Not available.

Flammability (solid, gas) : Not applicable.

Lower flammable limit (% by vol.)

: Not available.

Upper flammable limit (% by vol.)

: Not available.

Oxidizing properties : Not applicable

Explosive properties : Not explosive

Vapour pressure : Not available.

Vapour density : Not available.

Relative density / Specific gravity

: Not available.

Solubility in water : Complete

Other solubility(ies) : Not available.

Partition coefficient: n-octanol/water or Coefficient of water/oil distribution

: Not available.

Auto-ignition temperature : Not available.

Decomposition temperature : Not available.

Viscosity : Not available.

Volatiles (% by weight) : Not available.

Volatile organic Compounds (VOC's)

: Not available.

Absolute pressure of container

: Not available.

Flame projection length : Not available.

Other physical/chemical comments

: None known or reported by the manufacturer.

SECTION 10. STABILITY AND REACTIVITY

Reactivity : The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability : Material is stable under normal conditions.

Possibility of hazardous reactions

: Hazardous polymerization does not occur.

Conditions to avoid : Keep away from heat, sparks and open flames.

Incompatible materials : Strong oxidizers.

Hazardous decomposition products

: Carbon oxides

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SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Routes of entry inhalation : YES

Routes of entry skin & eye : YES

Routes of entry Ingestion : YES

Routes of exposure skin absorption
: YES

Potential Health Effects:

Signs and symptoms of short-term (acute) exposure

Sign and symptoms Inhalation

: None expected, when used as intended.

Sign and symptoms ingestion

: None expected, when used as intended.

Sign and symptoms skin

: None expected, when used as intended. May be absorbed through the skin.

Sign and symptoms eyes

: None expected, when used as intended. Direct eye contact may cause irritation. Symptoms may include tearing, redness and discomfort.

Potential Chronic Health Effects

: None expected, when used as intended.

Mutagenicity

: Not expected to be mutagenic.

Carcinogenicity

: This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

Reproductive effects & Teratogenicity

: This product is not expected to cause reproductive or developmental effects.

Sensitization to material

: Not expected to be a skin or respiratory sensitizer.

Specific target organ effects : None expected, when used as intended.

Medical conditions aggravated by overexposure

: None reported by the manufacturer.

Synergistic materials

: None reported by the manufacturer.

Toxicological data

: There is no available data for the product itself, only for the ingredients. See below for individual ingredient acute toxicity data.

<u>Chemical name</u>	<u>LC₅₀(4hr)</u> <u>inh, rat</u>	<u>LD₅₀</u>	
		<u>(Oral, rat)</u>	<u>(Rabbit, dermal)</u>
Ethanol	> 32 380 ppm (61 mg/L) (vapour)	7060 mg/kg	> 15 800 mg/kg
Pregn-4-ene-3,20-dione, 11,17,21-trihydroxy-, (11.beta.)-	N/Av	5000 mg/kg	N/Av

Other important toxicological hazards

: None known or reported by the manufacturer.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

: The product is not classified as environmentally hazardous. Avoid release to the environment.

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Ecotoxicity data:

<u>Ingredients</u>	CAS #	Toxicity to Fish		
		LC50 / 96h	NOEC / 21 day	M Factor
Ethanol	64-17-5	> 100 mg/L (Fathead minnow)	N/Av	None.

<u>Ingredients</u>	CAS #	Toxicity to Daphnia		
		EC50 / 48h	NOEC / 21 day	M Factor
Ethanol	64-17-5	5012 mg/L (Daphnia magna)	N/Av	None.

<u>Ingredients</u>	CAS #	Toxicity to Algae		
		EC50 / 96h or 72h	NOEC / 96h or 72h	M Factor
Ethanol	64-17-5	1000 mg/L/96hr (Green algae)	N/Av	None.

Persistence and degradability

: Not available.

Bioaccumulation potential

: Not available.

<u>Components</u>	<u>Partition coefficient n-octanol/water (log Kow)</u>	<u>Bioconcentration factor (BCF)</u>
Ethanol (CAS 64-17-5)	- 0.31	N/Av

Mobility in soil : Not available.

Other Adverse Environmental effects

: None known or reported by the manufacturer.

SECTION 13. DISPOSAL CONSIDERATIONS

Handling for Disposal : Dispose of in accordance with local regulations.

Methods of Disposal : Dispose of in accordance with local regulations.

RCRA : Not applicable.





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SECTION 14. TRANSPORT INFORMATION

Regulatory Information	UN Number	UN proper shipping name	Transport hazard class(es)	Packing Group	Label
49CFR/DOT	None.	Not regulated.	not regulated	none	
49CFR/DOT Additional information	Not regulated for road or rail shipment if packaged in non-bulk containers (450 Litres or less each).				
TDG	None.	Not regulated.	not regulated	none	
TDG Additional information	None.				
ICAO/IATA	None.	Not regulated.	not regulated	none	
ICAO/IATA Additional information	None.				
IMDG	None.	Not regulated.	not regulated	none	
IMDG Additional information	None.				

Special precautions for user : Appropriate advice on safety must accompany the package.

Environmental hazards : This product does not meet the criteria for an environmentally hazardous mixture, according to the IMDG Code. See Section 12 for more environmental information.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

: Not established.

SECTION 15 - REGULATORY INFORMATION

US Federal Information:

Components listed below are present on the following U.S. Federal chemical lists:

<u>Ingredients</u>	CAS #	TSCA Inventory	CERCLA Reportable Quantity(RQ) (40 CFR 117.302):	SARA TITLE III: Sec. 302, Extremely Hazardous Substance, 40 CFR 355:	SARA TITLE III: Sec. 313, 40 CFR 372, Specific Toxic Chemical	de minimus Concentration
Ethanol	64-17-5	Yes	None.	None.	No	N/Ap
Pregn-4-ene-3,20-dione, 11,17,21-trihydroxy-, (11.beta.)-	50-23-7	Yes	N/Ap	N/Av	No	N/Ap

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SARA TITLE III: Sec. 313, Toxic Chemicals Notification, 40 CFR 372: Combustible Liquid; Reproductive toxicity Under SARA Sections 311 and 312, the EPA has established threshold quantities for the reporting of hazardous chemicals. The current thresholds are 500 pounds or the threshold planning quantity (TPQ), whichever is lower, for extremely hazardous substances and 10,000 pounds for all other hazardous chemicals.

US State Right to Know Laws:

The following chemicals are specifically listed by individual States:

Ingredients	CAS #	California Proposition 65		State "Right to Know" Lists					
		Listed	Type of Toxicity	CA	MA	MN	NJ	PA	RI
Ethanol	64-17-5	No	N/Ap	Yes	Yes	Yes	Yes	Yes	Yes
Pregn-4-ene-3,20-dione, 11,17,21-trihydroxy-, (11.beta.)-	50-23-7	No	N/Ap	No	No	No	No	No	No

Canadian Information:

All components of this product are on the Canadian DSL list.

International Information:

Components listed below are present on the following International Inventory list:

Ingredients	CAS #	European EINECS	Australia AICS	Philippines PICCS	Japan ENCS	Korea KECI/KECL	China IECSC	NewZealand IOC
Ethanol	64-17-5	200-578-6	Present	Present	(2)-202	KE-13217	Present	HSR001144
Pregn-4-ene-3,20-dione, 11,17,21-trihydroxy-, (11.beta.)-	50-23-7	200-020-1	Present	N/Av	N/Av	KE-34304	Present	N/Av

SECTION 16. OTHER INFORMATION

Legend

: CAS: Chemical Abstract Services
CEPA: Canadian Environmental Protection Act
CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980
DOT: Department of Transportation
DSL: Domestic Substances List
EPA: Environmental Protection Agency
HSDB: Hazardous Substances Data Bank
IARC: International Agency for Research on Cancer
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
IMDG: International Maritime Dangerous Goods
LC: Lethal Concentration /LD: Lethal Dose
N/Ap: Not Applicable /N/Av: Not Available
NFPA: National Fire Protection Association
NIOSH: National Institute of Occupational Safety and Health
NOEC: No observable effect concentration
NTP: National Toxicology Program
OECD: Organisation for Economic Co-operation and Development
OEL: National occupational exposure limits

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OSHA: Occupational Safety and Health Administration
PEL: Permissible exposure limit
RTECS: Registry of Toxic Effects of Chemical Substances
SARA: Superfund Amendments and Reauthorization Act
SDS: Safety Data Sheet
STEL: Short Term Exposure Limit
TDG: Canadian Transportation of Dangerous Goods Act & Regulations
TLV: Threshold Limit Values
TWA: Time Weighted Average
WHMIS: Workplace Hazardous Materials Identification System

References : ECHA - European Chemical Agency
Canadian Centre for Occupational Health and Safety, CCInfoWeb databases,

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Other special considerations for handling

: Provide adequate information, instruction and training for operators.

Prepared for:

Safetec of America Inc.
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Buffalo, NY 14215
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