

SAFETY DATA SHEET

SECTION 1. IDENTIFICATION

COMPANY INFORMATION	VERB 750 Lexington Avenue, 17th Floor, New York, NY 10022 1-877-886-7080
GHS PRODUCT IDENTIFIER	
PRODUCT NAME	GHOST HAIRSPRAY
OTHER MEANS OF IDENTIFICATION	
SYNONYMS	NONE
RECOMMENDED USE OF THE CHEMICAL AND RESTRICTIONS ON USE	
RECOMMENDED USE	No information available
USES ADVISED AGAINST	No information available
SUPPLIER'S DETAILS	
SUPPLIER ADDRESS	Chicago Aerosol 1300 North St. Coal City, IL 60416 Tel: 815-634-5100
EMERGENCY TELEPHONE NUMBER	
EMERGENCY TELEPHONE NUMBER	1-866-634-5100 Chemtrec 1-800-424-9300

SECTION 2. HAZARDS IDENTIFICATION

CLASSIFICATION

SERIOUS EYE DAMAGE/EYE IRRITATION	CATEGORY 2A
CARCINOGENICITY	CATEGORY 2
SPECIFIC TARGET ORGAN SYSTEMIC TOXICITY (SINGLE EXPOSURE)	CATEGORY 3
SIMPLE ASPHYXIANT	YES
FLAMMABLE AEROSOLS	CATEGORY 1
GASES UNDER PRESSURE	

GHS label elements, including precautionary statements

EMERGENCY OVERVIEW

SIGNAL WORD	DANGER
HAZARD STATEMENTS	
• CAUSES SERIOUS EYE IRRITATION	
• SUSPECTED OF CAUSING CANCER	
• MAY CAUSE RESPIRATORY IRRITATION	
• MAY CAUSE DROWSINESS OR DIZZINESS	
• EXTREMELY FLAMMABLE AEROSOL	

					
APPEARANCE	CLEAR	PHYSICAL STAT	AEROSOL	ODOR	ODOR FRAGRANCED

PRECAUTIONARY STATEMENTS
PREVENTION
• Obtain special instructions before use.
• Do not handle until all safety precautions have been read and understood.
• Use personal protective equipment as required.
• Wash face, hands and any exposed skin thoroughly after handling.
• Wear eye/face protection.
• Avoid breathing dust/fume/gas/mist/vapors/spray.
• Use only outdoors or in a well-ventilated area.
• Keep away from heat/sparks/open flames/hot surfaces - No smoking.
• Do not spray on an open flame or other ignition source.
• Pressurized container: Do not pierce or burn, even after use.

GENERAL ADVICE
• If exposed or concerned: Get medical attention/advice

EYES

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- If eye irritation persists: Get medical advice/attention.

INHALATION

- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

STORAGE

- Store locked up.
- Store in a well-ventilated place. Keep container tightly closed.
- Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F

DISPOSAL

- Dispose of contents/container to an approved waste disposal plant.

HAZARD NOT OTHERWISE CLASSIFIED (HNOC)

Rapid evaporation of the liquid may cause frostbite.

Other information

May be harmful if inhaled. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS-NO	WEIGHT %	TRADE SECRET
Ethyl Alcohol	64-17-5	<52	*
1,1-Difluoroethane	75-37-6	< 45	*
2-Amino-2-Methyl-1propano	124-68-5	< 1	*

*The exact percentage (concentration) of composition has been withheld as a trade secret.

SECTION 4. FIRST AID MEASURES

Description of necessary first-aid measures

EYE CONTACT	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention immediately if irritation persists.
SKIN CONTACT	Wash off with warm water and soap. In case of contact with liquefied gas, thaw frosted parts with lukewarm water. Get medical attention if symptoms occur.
INHALATION	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
INGESTION	Clean mouth with water and afterwards drink plenty of water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention.
MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED	
MOST IMPORTANT SYMPTOMS/EFFECTS	Eye irritation/reactions. Frostbite. Drowsiness. Dizziness. Simple asphyxiant.

Indication of immediate medical attention and special treatment needed, if necessary

NOTES TO PHYSICIAN	Treat symptomatically
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SECTION 5. FIRE-FIGHTING MEASURES

Description of necessary first-aid measures

SUITABLE EXTINGUISHING MEDIA

Carbon dioxide (CO₂). Dry chemical. Alcohol-resistant foam. Water fog.

UNSUITABLE EXTINGUISHING MEDIA

No information available.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL

No information available.

HAZARDOUS COMBUSTION PRODUCTS

Thermal decomposition can lead to release of irritating and toxic gases and vapors: Carbon oxides. Nitrogen oxides (NO_x).

EXPLOSION DATA

SENSITIVITY TO MECHANICAL IMPACT

Yes

SENSITIVITY TO STATIC DISCHARGE

Yes

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.

SECTION 6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

PERSONAL PRECAUTIONS

Contents under pressure. Remove all sources of ignition. Do not puncture or incinerate cans. Avoid contact with skin, eyes and clothing. Do not touch damaged containers or spilled material.

ENVIRONMENTAL PRECAUTIONS

ENVIRONMENTAL PRECAUTIONS

See Section 12 for additional Ecological Information.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

METHODS FOR CONTAINMENT

Prevent further leakage or spillage if safe to do so.

METHODS FOR CLEANING UP

Pick up and transfer to properly labeled containers. Cover liquid spill with sand, earth or other noncombustible absorbent material. Clean contaminated surface thoroughly.

SECTION 7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING	
HANDLING	Contents under pressure. Keep away from open flames, hot surfaces and sources of ignition. Avoid contact with skin, eyes and clothing.
CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES	
STORAGE	Store in a cool, dry area away from potential sources of heat, open flames, sunlight or other chemicals.
INCOMPATIBLE PRODUCTS	Strong oxidizing agents.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

CONTROL PARAMETERS			
EXPOSURE GUIDELINES			
CHEMICAL NAME	ACGIH TLV	OSHA PEL	NIOSH IDLH
Ethyl Alcohol	TWA: 1000 ppm	TWA: 1000 ppm	TWA: 1000 ppm
Ethyl Alcohol 64-17-5			

APPROPRIATE ENGINEERING CONTROLS	
ENGINEERING MEASURES	Showers
	Eyewash stations
	Ventilation systems
INDIVIDUAL PROTECTION MEASURES, SUCH AS PERSONAL PROTECTIVE EQUIPMENT	
EYE/FACE PROTECTION	No protective equipment is needed under normal use conditions. Risk of contact, wear: Safety glasses with side-shields.
SKIN AND BODY PROTECTION	No protective equipment is needed under normal use conditions. Light-weight protective clothing. Protective gloves. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion.
RESPIRATORY PROTECTION	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn.
HYGIENE MEASURES	Handle in accordance with good industrial hygiene and safety practice.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Aerosol	Appearance	Clear
Odor	Fragranced	Odor Threshold	No information available

Property	Values	Remarks/ - Method
pH	No data available	Enter here
Melting Point/Range	No data available	Enter here
Boiling Point/Boiling Range	79.4 °C / 175 °F	for concentrate
Flash Point	18.3C/ 65F	Open cup (for pure ethanol)
Evaporation rate	> 1	Enter here
Flammability (solid, gas)	No data available	Enter here
Flammability Limits in Air	No data available	Enter here
upper flammability limit	No data available	Enter here
lower flammability limit	No data available	Enter here
Vapor Pressure	45-55 psig @ 70 F	Enter here
Vapor Density	No data available	Enter here
Specific Gravity	0.822	water=1
Water Solubility	No data available	Enter here
Solubility in other solvents	No data available	Enter here
Partition coefficient: n-octanol/water	No data available	Enter here
Autoignition Temperature	No data available	Enter here
Decomposition Temperature	No data available	Enter here
Viscosity	No data available	Enter here
Flammable Properties	Not Flammable	Enter here
Explosive Properties	No data available	Enter here
Oxidizing Properties	No data available	Enter here
Other information		
VOC Content (%)	55%	

SECTION 10. STABILITY AND REACTIVITY

REACTIVITY	Not reactive under normal conditions.
CHEMICAL STABILITY	Stable under recommended storage conditions.
POSSIBILITY OF HAZARDOUS REACTIONS	None under normal processing.
HAZARDOUS POLYMERIZATION	Hazardous polymerization does not occur.
CONDITIONS TO AVOID	Heat, flames and sparks.
INCOMPATIBLE MATERIALS	Strong oxidizing agents
HAZARDOUS DECOMPOSITION PRODUCTS	Carbon oxides. Nitrogen oxides (NOx).

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

PRODUCT INFORMATION	
INHALATION	May cause irritation of respiratory tract. May cause drowsiness and dizziness. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal.
EYE CONTACT	Contact with eyes may cause serious eye irritation based on the components present within the product.
SKIN CONTACT	Contact with product may cause frostbite.
INGESTION	May be harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Ethyl Alcohol	7060 mg/kg (Rat)	-	124.7 mg/L (Rat) 4 h

Symptoms related to the physical, chemical and toxicological characteristics

SYMPTOMS	Eye contact with liquid may cause irritation including stinging, burning, tearing, or reddening of the eyes. Avoid skin contact with leaking liquid (danger of frostbite).
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Symptoms related to the physical, chemical and toxicological characteristics	
SENSITIZATION	No information available.
MUTAGENIC EFFECTS	No information available.
CARCINOGENICITY	Ethanol has been shown to be carcinogenic in long-term studies only when consumed and abused as an alcoholic beverage. Vinyl acetate is identified by IARC and ACGIH as a potential carcinogen based on data in animal studies. Lifetime exposure to high vapor concentrations (600 ppm) of Vinyl acetate caused malignant and benign tumors of the respiratory tract of rats, but not in mice: this response possibly being associated with the irritant effect. Vinyl acetate has been tested for carcinogenic potential in rats in two separate drinking water studies. In one study, in which animals were exposed to concentrations up to 0.5% in water, there was no evidence of carcinogenicity. In the second study, conducted at higher concentrations (up to 1% in water), evidence of cancer in the stomach and oral cavities was observed. There is no evidence that vinyl acetate causes cancer in humans.

Chemical Name	ACGIH	IARC	NTP	OSHA
Ethyl Alcohol	A3	Group 1	Known	X

Reproductive Toxicity	No information available.
STOT - single exposure	May cause respiratory irritation. May cause drowsiness or dizziness.
STOT - repeated exposure	No information available.
Aspiration Hazard	No information available.

NUMERICAL MEASURES OF TOXICITY - PRODUCT	
The following values are calculated based on chapter 3.1 of the GHS document:	
LD50 Oral	8538 mg/kg; Acute toxicity estimate
LD50 Dermal	23700 mg/kg; Acute toxicity estimate
Inhalation	mg/L; Acute toxicity estimate
Vapor	134.2 mg/L; Acute toxicity estimate

SECTION 12. ECOLOGICAL INFORMATION

ECOTOXICITY

The environmental impact of this product has not been fully investigated.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Ethyl Alcohol		LC50 96 h: 12.0-16.0mL/L	EC50=34634 mg?L 30 min	LC50 48h: 9268- 14221 mg/L

Persistence and Degradability	No information available.
Bioaccumulation	No information available.

Chemical Name	Log Pow
Ethyl alcohol	-0.32

OTHER ADVERSE EFFECTS

No information available.

SECTION 13. DISPOSAL CONSIDERATION

Waste Disposal Methods	Dispose of in accordance with federal, state, and local regulations.
Contaminated Packaging	Do not re-use empty containers.

SECTION 14. TRANSPORT INFORMATION

DOT

Proper shipping name	Consumer commodity
Hazard Class	ORM-D
Description	Consumer commodity, ORM-D
Emergency Response Guide	126
Number	

TDG	
UN-Number	UN1950
Proper Shipping Name	Aerosols
Hazard Class	2.1
Description	UN1950, Aerosols, 2.1

MEX	
UN-Number	UN1950
Proper Shipping Name	Aerosols
Hazard Class	2.1
Description	UN1950, Aerosols, 2.1

ICAO	
UN-Number	ID8000
Proper Shipping Name	Consumer commodity
Hazard Class	9
Description	ID8000, Consumer commodity, 9

IATA	
UN-Number	ID8000
Proper Shipping Name	Consumer commodity
Hazard Class	9
ERG Code	9L
Description	ID8000, Consumer commodity, 9

IMDG/IMO	
UN-Number	UN1950
Proper Shipping Name	Aerosols
Hazard Class	2
EmS No.	F-D, S-U
Description	UN1950, Aerosols, 2.1 (18.3°C o.c.)

SECTION 15. REGULATORY INFORMATION

INTERNATIONAL INVENTORIES

TSCA	All components of this product are either listed or are exempt on the TSCA inventory.
DSL	Substances comply or are exempt

LEGEND

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List

U.S. FEDERAL REGULATIONS

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 %

SARA 311/312 HAZARD CATEGORIES

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

CLEAN WATER ACT

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances

CERCLA

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ

U.S. State Regulations		
California Proposition 65		
Ethyl alcohol is only considered a Proposition 65 developmental hazard when it is ingested as an alcoholic beverage.		
Chemical Name	CAS-No	California Prop. 65
Ethyl Alcohol	64-17-5	Developmental

U.S. STATE RIGHT-TO-KNOW REGULATIONS					
Chemical Name	New Jersey	Massachusetts	Pennsylvania	Illinois	Rhode Island
Ethyl alcohol	X	X	X	-	
1,1-Difluoroethane	X	X			

U.S. EPA LABEL INFORMATION	
EPA Pesticide Registration Number	Not applicable

SECTION 15. REGULATORY INFORMATION

Health Hazard 2	Flammability 4	Instability 0	Physical and Chemical Hazards
Health Hazard 2*	Flammability 4	Physical Hazard 0	Personal Protection X
*Indicates a chronic health hazard.			
Prepared By		Chicago Aerosol 1300 North St Coal City, IL 60416 1-800-572-6501	
Issuing Date		10/20/2014	
Revision Date		10/20/2014	
Revision Note		Initial Release.	
GENERAL DISCLAIMER			
The information provided on this SDS 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