

◆ MATERIAL SAFETY DATA SHEET ◆

SECTION I

MANUFACTURER'S NAMES W. J. Hagerty & Sons, Ltd., Inc.	EMERGENCY TELEPHONE NUMBER (800) 348-5162
ADDRESS (NUMBER, STREET, CITY, STATE AND ZIP CODE) 3801 West Linden Avenue South Bend, Indiana 46619-1844	TELEPHONE NUMBER FOR INFORMATION (800) 348-5162 (574) 288-4991 Indiana Residents
PRODUCT NAME: Hagerty Chandelier Cleaner	PRODUCT NUMBER: 91320 (91321 & 91325)
CHEMICAL NATURE: Compounded Cleaner	DATE PREPARED April 2007

SECTION II ACTIVE INGREDIENTS

ACTIVE COMPONENTS: (SPECIFIC CHEMICAL IDENTITY; COMMON NAME(S))	OSHA PEL.	ACGIH TLV.
Isopropyl Alcohol	N/A	400 ppm
Chealating Agents	N/A	N/A
Aqua Ammonia	N/A	25 ppm

* Other active ingredients that may be included constitute 1.0% or less

SECTION III PHYSICAL DATA

Boiling Point	N/A	Specific Gravity (H ₂ O = 1)	0.96
Vapor Pressure (mm Hg.)	N/A	Percent Volatile, By Volume %	5%
Vapor Density (Air = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	N/A
Solubility in Water	High	Melting Point	N/A
Appearance and Odor: <i>Clear liquid - Ammonia, alcohol odor</i>			

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point: <i>85 degrees (29.4 c)</i>	Flammable Limits: LEL.:	UEL.:
	N/A	N/A
Extinguishing Media:	<i>Dry chemical, carbon dioxide, water fog and alcohol foam.</i>	
Special Fire Fighting Procedures:	<i>None</i>	
Unusual Fire and Explosion Hazards:	<i>None</i>	

SECTION V HEALTH HAZARD DATA

ROUTE(S) OF ENTRY:

INHALATION:

SKIN: *Skin contact would be the most likely mode of exposure under normal usage.*

INGESTION:

HEALTH HAZARDS: *Repeated or prolonged exposure may cause irritation.*
(ACUTE AND CHRONIC)

CARCINOGENICITY:

NTP? *N/A*

IARC MONOGRAPHS? *N/A*

OSHA REGULATED? *Not regulated by OSHA.*

SIGNS AND SYMPTOMS OF EXPOSURE: *May cause skin and/or eye irritation.*

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: *None is known.*

EMERGENCY AND FIRST AID PROCEDURES:

FOR EYE CONTACT: *Wash with water for 15 minutes and get medical attention.*
IF ACCIDENTALLY INGESTED: *DO NOT induce vomiting and get immediate medical attention.*

SECTION VI PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: *If spilled, soak up with absorbent material such as vermiculite or saw dust.*

WASTE DISPOSAL METHOD: *Because of container size, an individual container would not be regulated as a hazardous waste, pursuant to EPA regulations.*

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: *Should be stored in an area away from excessive heat.*

OTHER PRECAUTIONS: *None*

SECTION VII REACTIVITY DATA

STABILITY	Unstable		Conditions to Avoid:
	Stable	X	
INCOMPATIBILITY (MATERIALS TO AVOID):		<i>N/A</i>	
HAZARDOUS DECOMPOSITION OR BYPRODUCTS:		<i>N/A</i>	
HAZARDOUS POLYMERIZATION	May Occur		Conditions to Avoid:
	Will Not Occur	X	

SECTION VIII CONTROL MEASURES

RESPIRATORY PROTECTION: *None is required.*
(SPECIFY TYPE)

VENTILATION	Local Exhaust	<i>None</i>	Special:
	Mechanical (General)	<i>None</i>	
PROTECTIVE GLOVES: <i>Impervious gloves, if desired.</i>		EYE PROTECTION: <i>None is required.</i>	
OTHER PROTECTIVE CLOTHING OR EQUIPMENT:		<i>None</i>	
WORK/HYGIENIC PRACTICES:		<i>None</i>	