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MATERIAL SAFETY DATA SHEET

SECTION I-IDENTIFICATION OF SUBSTANCE/PREPARATION AND COMPANY UNDERTAKING

MSDS NO: EMERGENCY NO: 1-800-255-3924
ORIGINATIONDATE: 3/15/95 INTERNATIONAL ACCESS CODE +1-813-248-0585

REVISSED: 03/13/03 GENERAL INFORMATION NO:(203) 454-1800
Supersedes 6/25/01 MANTROSE-HAEUSER CO.
PREPARED BY: ELAINE ALTONIAN

PRODUCT NAME: Orange Flake Shellac

SYNONYMS: **Lemon #1 & #2/100 mesh and Superfine, Granta, Lemon #1-120 Mesh and 200 Mesh, Garnet Shellac, Micronized BCE-W Shellac**

CHEMICAL FAMILY: Natural Resin

CAS # 9000-59-3

SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS

<u>COMPOSITION</u>	<u>CAS RN</u>	<u>NOMINAL %</u>	<u>PEL/TLV</u>	<u>HAZARD</u>
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Ingredients considered non-hazardous

SECTION III - HAZARDS IDENTIFICATION

INHALATION: Vapors are unlikely due to physical properties.
Single exposure to dust is not likely to be hazardous.

INGESTION: No hazards anticipated from ingestion incidental to industrial exposure.

EYE CONTACT: Mechanical injury only.

SKIN CONTACT: Prolonged or repeated exposure not likely to cause significant skin irritation.

HMIS RATING: 0/1/0

OTHER: Based on available data. Repeated exposures are not anticipated to cause any significant adverse effects.

SECTION IV - FIRST AID MEASURES

FOR OVER EXPOSURE BY:

SWALLOWING: No adverse effects anticipated by this route of exposure.

INHALATION: No adverse effects anticipated by this route of exposure.

CONTACT WITH EYES OR SKIN: Flush affected area with plenty of cool water. Eyes should be irrigated immediately with water or at least 15 minutes. Mechanical effects only.

SECTION V - FIREFIGHTING MEASURES

FIREFIGHTING PROCEDURES:

Wear positive-pressure, self contained breathing apparatus. Use Carbon Dioxide, dry chemical or water spray to extinguish.

UNUSUAL FIRE/EXPLOSION HAZARDS:

Under certain conditions, a fine dust cloud of this material in air may cause a dust explosion if ignited, as when exposed to heat, sparks or open flame.

FLASH POINT (METHOD USED): N/A

FLAMMABLE LIMITS IN AIR, % BY VOL. LOWER: N/A

UPPER: N/A

NFPA RATING: HEALTH (1) FIRE (0) REACTIVITY (0)*
(DOES NOT APPLY TO EXPOSURE HAZARDS OTHER THAN DURING A FIRE)

SECTION VI - ACCIDENTAL RELEASE MEASURES

SPILL OR LEAK PROCEDURES: Sweep up and re-use if possible or discard.

WASTE DISPOSAL: Bury in approved landfill in accordance with local, state and federal regulations.

SECTION VII - HANDLING & STORAGE

Practice reasonable care and cleanliness. To avoid blocking, store under refrigeration.

SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL MEASURES: Good general ventilation should be sufficient for most conditions.

RESPIRATORY PROTECTION: No respiratory protection should be needed.

PROTECTIVE CLOTHING: No precautions other than clean body-covering clothing should be needed.

EYE PROTECTION: Use safety glasses.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: N/A **SPECIFIC GRAVITY (H₂O=1):** 1.2

MELTING POINT: N/A **SOLUBILITY IN WATER:** Negligible

VAPOR PRESSURE (mm Hg): N/A **EVAPORATION RATE (BUTYL ACETATE =1):** N/A

VAPOR DENSITY (AIR =1): N/A **APPEARANCE + COLOR:** Yellow Granular
Solid Characteristic Shellac Odor

MAX VOC = N/A
N/A = Not Applicable

SECTION X - STABILITY & REACTIVITY

STABILITY: Generally stable.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS MATERIALS TO AVOID: Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Burning in limited oxygen can generate Carbon Dioxide and Carbon Monoxide.

SECTION XI - TOXICOLOGICAL INFORMATION

NOT DETERMINED

SECTION XII - ECOLOGICAL INFORMATION

N/A

SECTION XIII - DISPOSAL INFORMATION

Bury in approved landfill in accordance with local, state and federal regulations.

SECTION XIV - TRANSPORTATION INFORMATION

DEPARTMENT OF TRANSPORTATION:

DOT CLASSIFICATION: N/A

DOT PROPER SHIPPING NAME: Gum Shellac

OTHER DOT INFORMATION: N/A

N/A = Not Applicable

SECTION XV - REGULATORY INFORMATION

NO DATA

SECTION XVI - OTHER INFORMATION

Issued to conform to DSD 67/548EEC and DPD 88.379EEC,DPD 91/155EEC.

REVISION LOG:

Date:	Revision:	By Whom:
1/22/98	Application of CAS #	SAS
2/12/98	Addition of Granta as Synonym	SAS
9/24/98	Addition of synonym Lemon #1 120 Mesh	SAS
3/24/99	Addition of synonym Garnet Shellac	SAS
6/25/01	Change international access code	DIY
6/25/01	Addition of Synonym	DD
3/13/03	addition of synonym	SAS

Approved by: Steve Santos Dry/Orange Flake Shellac
