

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/PREPARATION  
AND THE COMPANY/UNDERTAKING**

**Product Name:** 12C1420BK NatureWax® - X-155 Base Stock 155° MP (63095)  
**Manufacturer:** Elevance Renewable Sciences, Inc.  
175 E. Crossroads Parkway, Suite F  
Bolingbrook, IL 60440

**Information Phone Number:** (877) 215-2795  
**Email:** info@elevance.com  
**Emergency Phone Number:** (800) 424-9300 (CHEMTREC)

**MSDS Date of Preparation:** 08/06/08

**Product Use:**

**SECTION 2: HAZARDS IDENTIFICATION**

This product is a pale yellow, oily liquid with a faint odor.

**EMERGENCY OVERVIEW**

CAUTION! Slight fire hazard. May cause mild eye irritation. Prolonged skin contact may cause mild irritation. Inhalation of vegetable oil mists may cause irritation to upper respiratory tract.

US OSHA Hazard Classification: Hazardous (Exposure Limit)

EU Classification: Not classified as dangerous.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS# / EINECS#	%	EU Classification (67/548/EEC)
Hydrogenated Vegetable Oil	68334-28-1 / 269-820-6	100%	Not applicable

This product is recognized as Safe (GRAS) under the Food, Drug and Cosmetic Act.

**SECTION 4: FIRST AID MEASURES**

**EYE CONTACT:** Immediately flush eye with water while lifting the upper and lower lids. Get medical attention if irritation persists.

**SKIN CONTACT:** Wash with soap and water. Get medical attention if irritation develops.

**INHALATION:** Remove victim to fresh air. Get medical attention if irritation persists.

**INGESTION:** No first aid should be needed. Get medical advice if large amount is swallowed and adverse effects develops.

**SECTION 5: FIRE and EXPLOSION DATA**

**EXTINGUISHING MEDIA:** Treat as oil fire. Use dry chemical, Type K extinguisher or universal foam to extinguish fires. Do not use water as it may spread fire by dispersing the oil.

**SPECIAL FIREFIGHTING PROCEDURES:** Firefighters should wear full emergency equipment and NIOSH approved positive pressure self-contained breathing apparatus. Cool exposed intact containers with water spray or stream.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Combustible products such as rags, waste paper or filter clay saturated with oil may heat and burn spontaneously.

#### SECTION 6: ACCIDENTAL RELEASE MEASURES

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Wear appropriate protective equipment. Dike spill and collect into closable containers for disposal with an inert absorbent. Wash spill site with detergent and water. Prevent entry in storm sewers and waterways. Report spill as required by local and federal regulations.

#### SECTION 7: HANDLING and STORAGE

Avoid eye and prolonged/repeated skin contact. Avoid breathing mists. Wash thoroughly after handling. Remove oil-soaked clothing and launder before re-use.

Protect containers from physical damage. Store in a cool area. Keep away from excessive heat and open flames. Keep containers closed when not in use.

Empty containers retain product residues. Do not cut, weld, braze, etc. on or near empty containers. Follow all MSDS precautions in handling empty containers.

#### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

##### INGREDIENTS

Hydrogenated Vegetable Oil (as oil mist)

##### EXPOSURE LIMITS

5 mg/m<sup>3</sup> TWA OSHA PEL (respirable fraction)  
15 mg/m<sup>3</sup> TWA OSHA PEL (as total particulate)

**RESPIRATORY PROTECTION:** None needed under normal use conditions with adequate ventilation. If the exposure limit is exceeded use an approved respirator with an R or P series filter. Selection of respiratory protection depends on the contaminant type, form and concentration. Select in accordance with OSHA 1910.134 and good Industrial Hygiene practice.

**VENTILATION:** Good general room ventilation should be adequate under normal conditions. If the recommended exposure limit is exceeded increased mechanical ventilation such as local exhaust may be required.

**GLOVES:** None normally needed under ambient conditions. If the product is heated, heat protective gloves should be used.

**EYE PROTECTION:** Follow facility requirements. Wear safety glasses if the possibility of splashing is possible.

**OTHER PROTECTIVE EQUIPMENT:** None normally needed. Impervious clothing is recommended if needed to avoid prolonged/repeated skin contact. Suitable washing facilities should be available.

#### SECTION 9: PHYSICAL and CHEMICAL PROPERTIES

**BOILING POINT (@ 760 mmHg):** Not applicable

**SPECIFIC GRAVITY (H<sub>2</sub>O=1):** <0.920-0.925

**VAPOR PRESSURE (@ 20 C mm Hg):** Not Applicable

**EVAPORATION RATE:** Not applicable

**SOLUBILITY:** Insoluble

**FLASH POINT:** >600°F (315°C) COC

**MELTING POINT:** >155°D

**PERCENT VOLATILE:** 0%

**(VAPOR DENSITY (AIR=1):** >1.0

**COEFFICIENT OF WATER/OIL:** Not available

**FLAMMABLE LIMITS:** (vol % in air)

LEL: Not available UEL: Not available

**AUTOIGNITION TEMPERATURE:** Not established

**APPEARANCE AND ODOR:** Pale yellow, oily liquid with a faint odor.

**SECTION 10: STABILITY and REACTIVITY**

**STABILITY:** Spontaneous combustion can occur. See Unusual Fire and Explosion Procedures, Section 5.  
**CONDITIONS TO AVOID:** High surface area exposure to oxygen can result in polymerization and release of heat.  
**INCOMPATIBILITY:** None.  
**HAZARDOUS DECOMPOSITION PRODUCTS:** None.  
**HAZARDOUS POLYMERIZATION:** Will not occur.

**SECTION 11: TOXICOLOGICAL INFORMATION**

**HEALTH HAZARDS:**

**INHALATION:** Excessive inhalation of mists may cause upper respiratory tract irritation.

**SKIN CONTACT:** Prolonged or repeated contact may cause mild irritation or dryness.

**EYE CONTACT:** May cause mild irritation with redness and tearing.

**INGESTION:** No adverse effects are normally expected. Swallowing large amounts may cause gastrointestinal effects including nausea and diarrhea.

**CHRONIC EFFECTS OF OVEREXPOSURE:** Repeated skin contact may cause dermatitis.

**CARCINOGENICITY:** None of the components of this product are listed as carcinogens by OSHA, IARC, NTP or the EU Dangerous Substances Directive.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** Individuals with chronic skin diseases may be at increased risk from exposure to this material.

**ACUTE TOXICITY VALUES:**

Hydrogenated Vegetable Oil: No data available

**SECTION 12: ECOLOGICAL INFORMATION**

There is no ecotoxicity data available for this product at this time.

**SECTION 13: DISPOSAL INFORMATION**

**WASTE DISPOSAL METHOD:** Dispose in accordance with all local, state and federal regulations.

**SECTION 14: TRANSPORTATION INFORMATION**

**U.S. Department of Transportation (DOT)**

**Proper Shipping Name:** Not Regulated

**Hazard Class:** N/A

**UN/NA Code:** N/A

**Packing Group:** N/A

**Labels Required:** None

**Placards Required:** None

**Canada Transport of Dangerous Goods (TDG))**

**Proper Shipping Name:** Not Regulated  
**Hazard Class:** N/A  
**UN/NA Code:** N/A  
**Packing Group:** N/A  
**Labels Required:** None  
**Placards Required:** None

**International Maritime Organization (IMDG)**

**Proper Shipping Name:** Not Regulated  
**Hazard Class:** N/A  
**UN/NA Code:** N/A  
**Packing Group:** N/A  
**Labels Required:** None  
**Placards Required:** None

**SECTION 15: REGULATORY INFORMATION**

**U.S. REGULATIONS**

**OSHA HAZARD CLASSIFICATION:** Exposure limit

**EPA SARA 302:** This product does not contain chemicals regulated under SARA Section 302.

**EPA SARA 311 HAZARD CLASSIFICATION:** Non-hazardous

**EPA SARA 313:** This product contains the following chemicals that are regulated under SARA Title III, section 313:  
None

**CALIFORNIA PROPOSITION 65:** This product contains the following chemicals which are known to the State of California to cause cancer: None

**EPA TSCA INVENTORY:** All of the components of this material are listed on the Toxic Substances Control Act (TSCA) Chemical Substances Inventory.

**INTERNATIONAL REGULATIONS**

**WHMIS CLASSIFICATION:** Not a controlled product.

**CANADIAN ENVIRONMENTAL PROTECTION ACT:** All of the ingredients are listed on the Canadian Domestic Substances List.

**EU CLASSIFICATION:** Not a dangerous preparation.

**EU RISK AND SAFETY PHRASES:** None

**EUROPEAN UNION:** All of the components of this product are listed on the European Inventory of New and Existing Chemical Substances (EINECS) inventory.

**AUSTRALIA:** All of the ingredients of this product are listed on the Australian Inventory of Chemical Substances (AICS).

**CHINA:** All of the ingredients of this product are listed on the Inventory of Existing Chemical Substance in China (IECSC).

**KOREA:** All of the components of this product are listed on the Korean Existing Chemical List (KECL).

**NEW ZEALAND:** All of the components of this product are listed on the New Zealand Inventory of Chemicals (NzIoC).

**PHILIPPINES:** All of the components of this product are listed on the Philippine Inventory of Chemicals and Chemical Substances (PICCS).

<b>SECTION 16: OTHER INFORMATION</b>
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NFPA Rating: Health: 0      Fire: 1      Reactivity: 0

**Revision History:** New Format, All Sections

WE RECOMMEND THAT CONTAINERS BE EITHER PROFESSIONALLY RECONDITIONED FOR RE-USE BY CERTIFIED FIRMS OR PROPERLY DISPOSED OF BY CERTIFIED FIRMS TO HELP REDUCE THE POSSIBILITY OF AN ACCIDENT. DISPOSAL OF CONTAINERS SHOULD BE IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS. "EMPTY" DRUMS SHOULD NOT BE GIVEN TO INDIVIDUALS.

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