



## MSDS Document

**Product: Microlene W-555 Premium White Microcrystalline Wax**

### 1. Chemical Product and Company Identification

**Trade Name of this Product: Microlene W-555**

**MSDS ID AB-170**

**Manufacturer**

ACCU-Blend Corp.  
1460 Santa Anita Ave.  
South El Monte, CA 91733

**Contact Name**

Henry Shishido

**Phone Number**

(626) 575-2850

**Emergency Phone**

CHEMTREC (800) 424-9300

**ACCU-Blend** waxes are specially selected and meet all provisions under:

**FDA grade (21 CFR 172, 886).**

**REF:** <http://www.cfsan.fda.gov/~lrd/FCF172.html>

### 2. Composition and Information on Ingredients

Ingredient	CAS Number	Weight %	ACGIH TLV	PEL	STEL
Petroleum Hydrocarbons					

### 3. Hazard Identification

**EYE CONTACT:**

AVOID EYE CONTACT. THIS PRODUCT IS MINIMALLY IRRITATING TO THE EYES UPON DIRECT CONTACT. BASED ON TESTING OF SIMILAR PRODUCTS AND/OR COMPONENTS. HOT WAX MAY CAUSE BURNS TO THE EYES.

**SKIN CONTACT:**

AVOID SKIN CONTACT. THIS PRODUCT IS MINIMALLY IRRITATING TO THE SKIN UPON DIRECT CONTACT, BASED ON TESTING OF SIMILAR PRODUCTS AND/OR COMPONENTS. HOT WAX MAY CAUSE BURNS TO THE SKIN.

**INHALATION:**

AVOID INHALATION OF FUMES. CAUTION SHOULD BE TAKEN TO PREVENT GENERATION OF FUMES. PARAFFIN WAX FUMES, IF GENERATED ARE CONSIDERED HAZARDOUS ACCORDING TO THE OSHA HAZARD COMMUNICATION STANDARD. THIS PRODUCT HAS A LOW VAPOR PRESSURE AND IS NOT EXPECTED TO PRESENT AN INHALATION HAZARD AT AMBIENT CONDITIONS (UP TO 95 F). CAUTION SHOULD BE TAKEN TO PREVENT AN AEROSOLIZATION OR MISTING OF THIS PRODUCT. THE THRESHOLD LIMIT VALUE (TLV) FOR THIS PRODUCT AS PARAFFIN WAX FUMES IS 2 MG/M3. EXPOSURE TO

VAPORS GENERATED UNDER UNUSUAL CONDITIONS MAY BE MILDLY IRRITATING TO THE NOSE AND THROAT. SEE HEALTH DATA SECTION BELOW.

**INGESTION:**

DO NOT INGEST. THIS PRODUCT HAS LAXATIVE PROPERTIES AND MAY RESULT IN ABDOMINAL CRAMPS AND DIARRHEA.

**HEALTH DATA:**

PARAFFIN WAXES ARE MIXTURES OF HIGH MOLECULAR WEIGHT (C20-C40), SOLID HYDROCARBONS. THEY ARE COMPRISED MOSTLY OF N-ALKANES, BUT SOME ISO AND CYCLOALKANES ARE ALSO PRESENT. PHYSIOLOGICALLY PARAFFIN WAXES ARE INERT AND ARE CONSIDERED NONTOXIC. WORKING WITH MOLTEN PARAFFIN IS REPORTED TO BE UNCOMFORTABLE AND NAUSEATING. USE OF PARAFFIN SPRAY HAS BEEN REPORTED TO BE OBJECTIONABLE BECAUSE OF ITS PHYSICAL PROPERTIES AND NOT DUE TO ITS TOXICITY. BASED ON THIS DATA THE ACGIH THRESHOLD LIMIT VALUE (TLV) FOR PARAFFIN WAX FUMES IS RECOMMENDED TO PREVENT IRRITATION OF THE RESPIRATORY TRACT AND OTHER UNPLEASANT EFFECTS. PETROLEUM WAXES STUDIED WERE NOT FOUND TO BE CARCINOGENIC IN MOUSE SKIN PAINTING OR IN RAT LIFETIME FEEDING STUDIES. THIS PRODUCT IS NOT CARCINOGENIC ACCORDING TO THE OSHA HAZARD COMMUNICATION STANDARD.

#### **4. First Aid Information**

**EYE CONTACT:**

IMMEDIATELY FLUSH EYES WITH LARGE AMOUNTS OF WATER AND CONTINUE FLUSHING UNTIL IRRITATION SUBSIDES. IF MATERIAL IS HOT, TREAT FOR THERMAL BURNS AND TAKE VICTIM TO HOSPITAL IMMEDIATELY.

**SKIN CONTACT:**

REMOVE CONTAMINATED CLOTHING. WASH CONTAMINATED AREA THOROUGHLY WITH SOAP AND WATER. IF REDNESS OR IRRITATION OCCURS, SEEK MEDICAL ATTENTION. FOR HOT PRODUCT, IMMEDIATELY IMMERSE IN OR FLUSH THE BURNED AREA WITH LARGE AMOUNTS OF COLD WATER TO DISSIPATE HEAT. COVER WITH CLEAN COTTON SHEETING OR GAUZE PADS AND GET PROMPT MEDICAL ATTENTION. DO NOT ATTEMPT TO REMOVE MATERIAL FROM SKIN OR CONTAMINATED CLOTHING AS THE DAMAGED FLESH CAN BE EASILY TORN. IF SEVERELY BURNED, TAKE VICTIM TO A HOSPITAL IMMEDIATELY.

**INHALATION:**

THIS MATERIAL HAS A LOW VAPOR PRESSURE AND IS NOT EXPECTED TO PRESENT AN INHALATION EXPOSURE AT AMBIENT CONDITIONS. IF FUMES ARE GENERATED WHEN THE MATERIAL IS HEATED OR HANDLED, REMOVE VICTIM FROM EXPOSURE. IF A SERIOUS COUGH OR OTHER SYMPTOMS DEVELOP, GET MEDICAL ATTENTION.

**INGESTION:**

FIRST AID IS NOT NORMALLY REQUIRED. DO NOT INDUCE VOMITING IF INGESTED. IF DISCOMFORT OCCURS, SEEK MEDICAL ATTENTION.

#### **5. Fire Fighting Measures**

FLASH POINT: ~ > 400°F (C0C)  
AUTO IGNITION TEMPERATURE: N/A  
FLAMMABILITY CLASS: III B  
LOWER EXPLOSIVE LIMIT: NOT DETERMINED  
UPPER EXPLOSIVE LIMIT: NOT DETERMINED

**EXTINGUISHING MEDIA:**

USE DRY CHEMICAL, FOAM, OR CARBON DIOXIDE. MEDIA:

**SPECIAL FIRE FIGHTING PROCEDURES:**

WATER MAY BE INEFFECTIVE BUT CAN BE USED TO COOL CONTAINERS EXPOSED TO HEAT OR FLAME. CAUTION SHOULD BE EXERCISED WHEN USING WATER OR FOAM AS FROTHING MAY OCCUR, ESPECIALLY IF SPRAYED INTO CONTAINERS OF HOT, BURNING LIQUID.

**UNUSUAL FIRE AND EXPLOSIVE CONDITIONS:**

DENSE SMOKE MAY BE GENERATED WHILE BURNING. CARBON MONOXIDE, CARBON DIOXIDE, AND OTHER OXIDES MAY BE GENERATED AS PRODUCTS OF COMBUSTION.

## **6. Accidental Release Measures**

NOTIFY APPROPRIATE AUTHORITIES OF SPILL. CONTAIN SPILL IMMEDIATELY WITH SAND, EARTH, ETC. DO NOT USE COMBUSTIBLE MATERIAL SUCH AS SAWDUST TO CONTAIN HOT MATERIAL. REMOVE ALL SOURCES OF IGNITION. DO NOT ALLOW SPILL TO ENTER SEWERS OR WATERCOURSES. ALLOW MATERIAL TO SOLIDIFY AND SCRAPE UP. LARGE SPILLS MAYBE PICKED UP USING SHOVELS, BUCKETS, OR OTHER MEANS AND PLACED IN DRUMS OR OTHER SUITABLE CONTAINERS. AVOID INHALATION OF FUMES FROM MOLTEN PRODUCT. AVOID SKIN CONTACT WITH HOT LIQUID MATERIAL. WEAR APPROPRIATE PROTECTIVE EQUIPMENT AND CLOTHING DURING CLEANUP. THIS PRODUCT MAY BE CLASSIFIED AS AN OIL UNDER SECTION 311 OF THE CLEAN WATER ACT. SPILLS ENTERING SURFACE WATERS OR ANY WATERCOURSES OR SEWERS ENTERING/LEADING TO SURFACE WATERS THAT CAUSE A VISIBLE SHEEN MUST BE REPORTED TO THE NATIONAL RESPONSE CENTER (NRC) AT 800-424-8802.

## **7. Handling and Storage**

**HANDLING AND STORAGE REQUIREMENTS:**

DO NOT TRANSFER TO UNMARKED CONTAINERS. STORE IN CLOSED CONTAINERS AWAY FROM HEAT, SPARKS, OPEN FLAME, OR OXIDIZING MATERIALS. THIS PRODUCT IS NOT CLASSIFIED AS HAZARDOUS UNDER DOT REGULATIONS. FIRE EXTINGUISHERS SHOULD BE KEPT READILY AVAILABLE. SEE NFPA 30 AND OSHA 1910.106--FLAMMABLE AND COMBUSTIBLE LIQUIDS.

## **8. Exposure Controls and Personal Protection**

**EYE PROTECTION:**

EYE PROTECTION IS NOT REQUIRED UNDER CONDITIONS OF NORMAL USE. IF MATERIAL IS HANDLED SUCH THAT IT COULD BE SPLASHED INTO EYES, WEAR PLASTIC FACE SHIELD OR SPLASH-PROOF SAFETY GOGGLES.

**SKIN PROTECTION:**

SKIN PROTECTION IS NOT REQUIRED UNDER CONDITIONS OF NORMAL USE. IF HANDLING HOT MATERIAL, USE INSULATED PROTECTIVE CLOTHING (BOOTS, GLOVES, APRONS, ETC.).

**RESPIRATORY PROTECTION:**

RESPIRATORY PROTECTION IS NOT REQUIRED UNDER CONDITIONS OF NORMAL USE. IF FUMES ARE GENERATED WHEN THE MATERIAL IS HEATED OR HANDLED, USE AN ORGANIC VAPOR RESPIRATOR WITH A DUST AND MIST FILTER. ALL RESPIRATORS MUST BE NIOSH CERTIFIED. DO NOT USE COMPRESSED OXYGEN IN HYDROCARBON ATMOSPHERES.

**VENTILATION:**

IF VAPOR OR MIST IS GENERATED WHEN THE MATERIAL IS HEATED OR HANDLED, ADEQUATE VENTILATION IN ACCORDANCE WITH GOOD ENGINEERING PRACTICE MUST BE PROVIDED TO MAINTAIN CONCENTRATIONS BELOW THE SPECIFIED EXPOSURE OR FLAMMABLE LIMITS.

**OTHER:**

CONSUMPTION OF FOOD AND BEVERAGE SHOULD BE AVOIDED IN WORK AREAS WHERE HYDROCARBONS ARE PRESENT. ALWAYS WASH HANDS AND FACE WITH SOAP AND WATER BEFORE EATING, DRINKING, OR SMOKING.

**INGREDIENTS:**

HAZARDOUS  
COMPONENT NAME IN PERCENTAGE COMPONENT  
CAS NUMBER BLEND MIN MAX EXPOSURE LIMIT UNIT

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HYDROTREATED WAX  
64742-51-4 NO 100 OSHA PEL NO LIMIT  
ACGIH TLV 2 MG/M3 LIMIT

**9. Physical and Chemical Properties**

**APPEARANCE:** LIGHT WHITE SEMI-SOLID  
**ODOR:** SLIGHT PETROLEUM WAX ODOR  
**BASIC PHYSICAL PROPERTIES:**  
**PHYSICAL STATE:** SEMI-SOLID AT ROOM TEMPERATURE  
**INITIAL BOILING POINT (IBP):** ~ N/A  
**MELTING POINT:** ~ 159 °F-186F  
**POUR POINT:** N/A  
**MOLECULAR WEIGHT:** N/A  
**VAPOR PRESSURE:** >5 NEGLIGIBLE @ 70 °F  
**VAPOR DENSITY:** >1 RELATIVE TO AIR  
**SPECIFIC GRAVITY:** 0.81-.94 @ 25CF  
**SOLUBILITY (H2O):** NEGLIGIBLE  
**EVAPORATION RATE:** NOT DETERMINED  
**VISCOSITY:** ~ NOT DETERMINED  
**VOLATILE ORGANIC COMPOUNDS:** NIL

**10. Stability and Reactivity**

**STABILITY (THERMAL, LIGHT, ETC.):** STABLE  
**CONDITIONS TO AVOID:** NONE  
**HAZARDOUS POLYMERIZATION:** WILL NOT OCCUR  
**CONDITIONS TO AVOID:** NONE

**INCOMPATIBILITY MATERIALS TO AVOID:** MAY REACT WITH STRONG OXIDIZING AGENTS.

**HAZARDOUS DECOMPOSITION PRODUCTS:** NONE

## **11. Toxicological Information**

SEE SECTION 03

## **12. Ecological Information**

THIS MATERIAL IS FAIRLY INERT AND IS NOT EXPECTED TO BE READILY BIODEGRADED IN THE ENVIRONMENT. THIS MATERIAL IS A SEMI-SOLID AT AMBIENT CONDITIONS, AND SHOULD NOT PRESENT A MAJOR HAZARD TO GROUNDWATER IF SPILLED. SEE SECTION 06 FOR SPILL CLEANUP PROCEDURES.

## **13. Disposal Considerations**

ALL DISPOSAL MUST COMPLY WITH FEDERAL, STATE, AND LOCAL REGULATIONS. THE MATERIAL, IF SPILLED OR DISCARDED, MAY BE A REGULATED WASTE. DISCARDED MATERIAL IS NOT EXPECTED TO BE A TCLP CHARACTERISTIC HAZARDOUS WASTE. REFER TO STATE AND LOCAL REGULATIONS. IF REGULATED SOLVENTS ARE USED TO CLEAN UP SPILLED MATERIAL, THE RESULTING WASTE MIXTURE MAY BE REGULATED. DEPARTMENT OF TRANSPORTATION (DOT) REGULATIONS ARE NOT LIKELY TO APPLY TO SOLID WASTES GENERATED FROM A SPILL OF THIS MATERIAL. WASTE MATERIAL MAY BE LANDFILLED OR INCINERATED AT AN APPROVED FACILITY. MATERIALS SHOULD BE RECYCLED IF POSSIBLE. DO NOT FLUSH MATERIAL TO DRAINS OR STORM SEWERS.

## **14. Transportation Information**

### **DEPARTMENT OF TRANSPORTATION (DOT) CLASSIFICATION:**

NOT HAZARDOUS BY DOT REGULATIONS IF SHIPPED AT A TEMPERATURE BELOW 212 F  
HAZARD CLASS: III B

**DOT IDENTIFICATION NUMBER:** NA IF SHIPPED AT A TEMPERATURE BELOW 212 F

**DOT SHIPPING LABEL:** NA IF SHIPPED AT A TEMPERATURE BELOW 212 F **SPECIAL**

### **TRANSPORTATION NOTE:**

IF SHIPPED AT OVER 100°C (212°F) IN CONTAINERS OF OVER 118.9 GALLONS CAPACITY, THIS SUBSTANCE WILL BE REGULATED AS A DOT HAZARDOUS SUBSTANCE WITH THE

### **FOLLOWING SHIPPING DESCRIPTION:**

Elevated Temperature Liquid, N.O.S., 9, UN3257, PG III.

IN THIS CASE, THE FOLLOWING DOT MARKING SHOULD BE USED ON BULK SHIPMENTS: THIS PRODUCT IS CONSIDERED AN OIL UNDER 49 CFR (DOT) PART 130. IF SHIPPED BY RAIL OR HIGHWAY IN A TANK WITH A CAPACITY OF 3,500 GALLONS OR MORE, IT IS SUBJECT TO THE REQUIREMENTS OF PART 130.

## **15. Regulatory Information**

### **OSHA HAZARD DETERMINATION:**

UNDER NORMAL CONDITIONS OF USE, THIS MATERIAL IS NOT KNOWN TO BE

HAZARDOUS AS DEFINED BY OSHA'S HAZARD COMMUNICATION STANDARD, 29 CFR 1910.1200.

SARA 302 THRESHOLD PLANNING QUANTITY: NOT APPLICABLE

SARA 304 REPORTABLE QUANTITY: NOT APPLICABLE

SARA 311/312 CATEGORIES:

IMMEDIATE (ACUTE) HEALTH EFFECTS: NO

DELAYED (CHRONIC) HEALTH EFFECTS: NO

FIRE HAZARD: NO

SUDDEN RELEASE OF PRESSURE HAZARD: NO

REACTIVITY HAZARD: NO

EPA/TSCA INVENTORY:

THE COMPONENTS OF THIS PRODUCT ARE LISTED ON THE EPA/TSCA INVENTORY OF CHEMICALS.

EPA HAZARD CLASSIFICATION CODE: NOT APPLICABLE

COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY

ACT(CERCLA):

NO CHEMICALS IN THIS PRODUCT ARE SUBJECT TO THE REPORTING REQUIREMENTS OF CERCLA.

SARA TITLE III - SECTION 313 SUPPLIER NOTIFICATION:

THIS PRODUCT IS NOT KNOWN TO CONTAIN ANY SARA TITLE III, SECTION 313 REPORTABLE CHEMICALS AT OR GREATER THAN 1.0 % (0.1 % FOR CARCINOGENS).

STATE/CANADIAN REGULATIONS:

NO COMPONENTS OF THIS MATERIAL REQUIRE LABELING UNDER CALIFORNIA PROPOSITION

65. NONE OF THIS PRODUCT'S COMPONENTS ARE LISTED ON THE STATE LISTS FROM CA, FL, MA, MN, NJ, PA, OR ON THE CANADIAN CONTROLLED PRODUCT INGREDIENT DISCLOSURE LIST.

## **16. Other Information**

### **DISCLAIMER OF WARRANTY:**

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