



Moulding and Casting Materials Sales: +61 03 9579 2044 sales@solidsolutions.com.au
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British United Industries (Vic) Pty Ltd ATF Byrne Hughes Family Business Trust Trading as A to Z Solid Solutions ABN 46 977 073 014 ACN 006 303 591

Revision Date: 23/1/2012 MATERIAL SAFETY DATA SHEET

Product Name: VICTORY BROWN WAX

SECTION 01 CHEMICAL PRODUCT AND IDENTIFICATION

Trade Name: VICTORY BROWN WAX. Synonyms:

Description:

NPPA 704ND Rating:

Health: I Fire: 1 Reactivity: 0

0=Insignificant 1 =Slight

Special: _

2=Moderate 3=High 4=Extreme

SECTION 02 COMPOSITION AND INFORMATION OF INGREDIENTS

Chemical Ingredients (% by Weight)

Ingredient	CAS Number	Percent Weight
HYDRO-TREATED MICROCRYSTALLINE WAX	64742-60-5	50%-99%
MICROCRYSTALLINE PARAFFIN AND HYDRO	63231-60-7	1%-50%

SECTION 03 HAZARD IDENTIFICATION

EYE CONTACT: CONTACT.

THIS PRODUCT IS MINIMALLY IRRITATING TO THE EYES UPON DIRECT BASED ON TESTING OF SIMILAR PRODUCT AND/OR COMPONENTS.

SKIN CONTACT: CONTACT.

THIS PRODUCT IS MINIMALLY IRRITATING TO THE SKIN UPON DIRECT BASED OR TESTING OF SIMILAR PRODUCT AND/OR COMPONENTS.

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 STANDARD COMMUNICATION STANDARD. THIS PRODUCT HAS A LOW VAPOUR PRESSURE AND IS NOT EXPECTED TO PRESENT AN INHALATION HAZARD AT AMBIENT CONDITIONS. CAUTION SHOULD BETAKEN TO PREVENT AEROSOLIZATION OR MISTING OF THIS PRODUCT. THE THRESHOLD LIMIT VALUE (TLV) FOR THIS PRODUCT AS PARAFFIN WAX FUMES IS 2 MG/M3. EXPOSURE TO VAPOURS 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 WAY RESULT IN ABDOMINAL CRAMPS AND DIARRHEA.

HEALTH DATA:

PARAFFIN WAXES ARE MIXTURES OF HIGH MOLECULAR WEIGHT (C20-C40), SOLID HYDROCARBONS. THEY ARE COMPRISED MOSTLY N-ALKANES, BUT SOME ISO AND CYCLOALKANES ARE ALSO PRESENT. PHYSIOLOGICALLY PARAFFIN WAXES ARE INERT 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 ACGI 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 RAT LIFETIME FEEDING STUDIES. THIS PRODUCT IS NOT

CARCINOGENIC ACCORDING TO THE OSHA HAZARD COMMUNICATION STANDARD.

SECTION 04 FIRST AID INFORMATION



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EYE CONTACT: IMMEDIATELY FLUSH WITH LARGE AMOUNTS OF WATER AND CONTINUE FLUSHING UNTIL IRRITATION SUBSIDES. IF MATERIAL IS NOT, TREAT FOR THERMAL BURNS AND TAKE VICTIM TO HOSPITAL IMMEDIATELY.

SKIN CONTACT: REMOVE CONTAMINATED CLOTHING. IF MATERIAL IS HOT SUBMERGE INJURED AREA IN COLD WATER. IF VICTIM IS SEVERELY BURNED. REMOVE TO A HOSPITAL IMMEDIATELY.

INHALATION: THIS MATERIAL HAS A LOW VAPOUR 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.

INGESTION: DO NOT INDUCE VOMITING.

SECTION 05 FIRE FIGHTING MEASURES

FLASH POINT: > 347F

TEST METHOD A= D92-C.O.C.

AUTOIGNITION TEMPERATURE:

NO DATA

TEST METHOD NO DATA

FLAMMABLE LIMITS IN AIR BY % VOLUME

LOWER: NOT DATA.

UPPER: NO DATA.

EXTINGUISHING MEDIA: USE DRY CHEMICAL, FOAM, OR CARBON DIOXIDE. SPECIAL FIRE WATER MAY BE INEFFECTIVE BUT CAN BE USED TO COOL CONTAINERS

FIGHTING EXPOSED TO HEAT OR FLAME. CAUTION SHOULD BE EXERCISED IF SPRAYED

PROCEDURE: INTO CONTAINERS OF HOT, BURNING LIQUID.

UNUSUAL FIRE DENSE SMOKE MY BE GENERATED WHILE BURNING. CARBON MONOXIDE,

AND EXPLOSIVE CARBON DIOXIDE, AND OTHER OXIDES MAY BE GENERATED AS PRODUCTS OF CONDITIONS: COMBUSTION.

SECTION 06 ACCIDENTAL RELEASE MEASURES

STEPS TO BE CONSULT HEALTH EFFECT INFORMATION IN SECTION III, PERSONAL TAKEN IF HEALTH PROTECTION INFORMATION IN SECTION V, FIRE PROTECTION

MATERIAL IS INFORMATION IN SECTION VI AND REACTIVITY DATA IN SECTION VII.

RELEASED OR NOTIFY APPROPRIATE AUTHORITIES OF SPILL, CONTAIN SPILL IMMEDIATELY. SPILLED: DO NOT ALLOW SPILL TO ENTER SEWERS OR WATERCOURSES. REMOVE ALL SOURCES OF IGNITION. ABSORB WITH APPROPRIATE INERT MATERIAL SUCH AS SAND, CLAY, ETC. LARGE SPILLS MAY BE PICKED UP USING VACUUM PUMPS, SHOVELS, BUCKETS, OR OTHER MEANS AND PLACED IN DRUMS OR OTHER SUITABLE CONTAINERS.

SECTION 07 HANDLING AND STORAGE.

HANDLING AND DO NOT TRANSFER TO UNMARKED CONTAINERS. STORE IN CLOSED

STORAGE CONTAINERS AWAY STORAGE FROM HEAT, SPARKS, OPEN FLAME,OR REQUIREMENTS: OXIDIZING MATERIALS. THIS PRODUCT IS NOT CLASSIFIED AS HAZARDOUS UNDER DOT REGULATIONS. FIRE EXTINGUISHERSKEPT READILY AVAILABLE . SEE NPPA 30 AND OSHA 1910.106 FLAMMABLE AND COMBUSTIBLE LIQUIDS.

SECTION 08 EXPOSURE CONTROLS AND PERSONAL PROTECTION



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- 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 IS NOT REQUIRED UNDER CONDITIONS OF NORMAL USE. IF HANDLING HOT MATERIAL, USE INSULATED PROTECTIVE CLOTHING (BOOTS, GLOVES, APRONS, ETC.)
- RESPIRATORY:** RESPIRATORY PROTECTION IS NOT REQUIRED UNDER CONDITIONS OF NORMAL PROTECTION: USE. IF FUMES ARE GENERATED WHEN THE MATERIAL IS HEATED OR HANDLED, USE AN ORGANIC VAPOUR RESPIRATOR WITH A DUST AND MIST FILTER. ALL RESPIRATORS MUST BE NIOSK CERTIFIED. DO NOT USE COMPRESSED OXYGEN IN HYDROCARBON ATMOSPHERES.
- VENTILATION:** IF VAPOUR OR MIST IS GENERATED 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.

COMPONENT NAME HAZARDOUS PERCENTAGE CAS NUMBER IN MIN MAX HAZARDOUS BLEND HYDRO-TREATED MICROCRYSTALLINE WAX	COMPONENT EXPOSURE LIMIT	UNIT
64742-60-5 NO 50 TO 99	OSHA PEL ACCIH TVL	NO LIMIT
MICROCRYSTALLINE PARAFFIN MW HYDROCARBON WAXES		
63231-60-7 NO 1 TO 50	OSHA PEL ACGIH TLV	NO LIMIT

SECTION 09 PHYSICAL AND CHEMICAL PROPERTIES

- BOILING POINT:** NO DATA AVAILABLE. **PERCENT VOLATILE:** 0
- MELTING POINT:** 170 F **VAPOUR DENSITY**
(AIR = 1): NO DATA
- APPEARANCE:** BROWN TO BLACK SOLID **EVAPORATION RATE**
(EE=1): NO DATA
- ODOUR:** NONE **SPECIFIC GRAVITY:** 0.93 @ 60°F
- VAPOUR PRESSURE:** < 1 MM HG @ 68°F **MOLECULAR WEIGHT:** NO DATA **SOLUBILITY:** INSOLUBLE IN WATER.

SECTION 10 STABILITY AND REACTIVITY



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STABILITY (THERMAL, LIGHT, ETC):

STABLE.

CONDITIONS TO AVOID:

NONE.

HAZARDOUS POLYMERIZATION:

WILL NOT OCCUR.

CONDITIONS TO AVOID:

NONE.

SECTION 11 TOXICOLOGICAL INFORMATION

NO DATA AVAILABLE.

SECTION 12 ECOLOGICAL INFORMATION

NO DATA AVAILABLE.

SECTION 13 DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD:

ALL DISPOSALS MUST COMPLY WITH FEDERAL, STATE, AND LOCAL REGULATIONS. THE MATERIAL, IF SPILLED OR DISCARDED, MAY BE A REGULATED WASTE. REFER TO STATE AND LOCAL REGULATIONS. CAUTION IF REGULATED SOLVENTS ARE USED TO CLEAN UP SPILLED MATERIAL, THE RESULTING WASTE MIXTURE MAY BE REGULATED. DEPARTMENT OF TRANSPORT (DOT) REGULATIONS MAY APPLY FOR TRANSPORTING THIS MATERIAL WHEN SPILLED. WASTE MATERIALS MAY BE LAND FILLED OR INCINERATED AT AN APPROVED FACILITY. MATERIALS SHOULD BE RECYCLED IF POSSIBLE.

SECTION 14 TRANSPORTATION INFORMATION

DOT: NOT REGULATED.

SECTION 15 REGULATORY INFORMATION

ADDITIONAL INFORMATION:

THIS PRODUCT IS NOT KNOWN TO CONTAIN ANY SARA TITLE III, SECTION 313 REPORTABLE CHEMICALS AT OR GREATER THAN 1.0% (01. % FOR CARCINOGENS). THIS SUBSTANCE IS LISTED ON THE TOXIC SUBSTANCES CONTROL ACT (TSCA) INVENTORY.



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SECTION 16 OTHER INFORMATION

SUPERSEDES DATE: ORIGINAL VERSION.

DISCLAIMER OF WARRANTY:

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