



ADD: C601 GAZELLEVALLEY, #69 JINYERD,X" AN,710077, PR.CHINA

DESCRIPTION OF THE PROPERTY OF TH TEL: +86-29-8834.6301 FAX: +86-29-8834.6302 EMAIL:SALES@APPCHEM.CN WEB: WWW.APPCHEM.CN

PCHEMIBON MATERIAL SAFETY DATA SHEET

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-DC+	PRODUCT NAME	BETULIN	PRODUCT CODE	APPCHEM-026		HHA	N.B.	
APPC	CAS NO.	473-98-3	CREATE DATE	2022.05.26	* PI	OHER	新	100
	LISTER	XINRU PAN	VERIFIER	WANPING SONG			ジ	7
	BON		-CHEIV	-1		-	1	9

DISCLAIMER

THE INFORMATION CONTAINED ON THE MATERIAL DATA SHEET HAS BEEN COMPILED FROM DATA CONSIDERED ACCURATE.; THIS DATA IS BELIEVED TO BE RELIABLE, HOWEVER, IT MUST BE POINTED OUT THAT VALUES FOR CERTAIN PROPERTIES ARE KNOWN; TO VARY FROM SOURCE TO SOURCE, XI AN APP CHEM-BIO(TECH) CO.,LTD EXPRESSLY DISCLAIMS ANY WARRANTY EXPRESSED OR IMPLIED; AS WELL AS ANY LIABILITY FOR ANY INJURY OR LOSS ARISING FROM THE USE OF THIS INFORMATION OR THE MATERIALS DESCRIBED. ; THIS DATA IS NOT TO BE CONSTRUED AS ABSOLUTELY COMPLETE SINCE ADDITIONAL DATA MAY BE DESIRABLE WHEN PARTICULAR; CONDITIONS OR CIRCUMSTANCES EXIST. IT IS THE RESPONSIBILITY OF THE USER TO DETERMINE THE BEST PRECAUTIONS; NECESSARY FOR THE SAFE HANDLING AND USE OF THIS PRODUCT FOR YOUR APPLICATION. THIS DATA RELATES ONLY TO THE SPECIFIC MATERIAL DESIGNATED AND NOT TO BE USED IN COMBINATION WITH ANY OTHER MATERIAL. MANY FEDERAL AND STATE; REGULATIONS PERTAIN DIRECTLY OR INDIRECTLY TO THE PRODUCT'S END USE AND DISPOSAL OF CONTAINERS AND UNUSED MATERIAL .: IT IS THE PURCHASER'S RESPONSIBLITY TO FAMILIARIZE THEMSELVES WITH ALL APPLICABLE REGULATIONS.

	1: IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY				
	ARTICLE NUMBER/TRADE NAME :	APPCHEM026/ BETULIN (WHITE BIRCH BARK)			
APPCH	X	XI'AN APP-CHEM BIO(TECH) CO.,LTD			
100	CHEN	6FLOOR BUILDING C, GAZELLE VALLEY PARK, NO.69 JINYERD. , HIGH			
	APPCI	TECH ZONE,			
	SUPPLIER DETAILS:	XIAN CITY, 710077, P.R. CHINA			
-3	IEM/BON	TEL: 0086 29 8831 8908			
APPCH	/ L.	FAX: 0086 29 8834 6302			
	VERSION DATE:	2022.05.26			

2: COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL CHARACTERIZATION:

SYNONYMS: LUP-20(29)-ENE-3B,28-DIOL

HAZARDOUS INGREDIENT(S):

NON-HAZARDOUS

CAS NO.: 473-98-3

EINECS: 207-475-5







HEMIBO





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APPCHEMIBO

APPCHEM/BON

FEMA:N/A

3: HAZARD IDENTIFICATION

NONE HAZARDOUS. KEEP OUT OF THE REACH OF CHILDREN.

APPARANCE: ALMOST WHITE CRYSTALLINE POWDER

ODOR: CHARACTERISTIC APP

4: FIRST-AID MEASURES

REMOVE CONTAMINATED SOAKED CLOTHING AND WASH BEFORE REUSE.

AFTER EYE CONTACT:

IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER FOR AT LEAST 10 MINUTES. ASSURE ADEQUATE FLUSHING BY SEPARATING THE EYELIDS WITH FINGERS AND SEEK MEDICAL ADVICE.

AFTER SKIN CONTACT:

WASH AFFECTED AREA WITH SOAP AND RUNNING WATER. SEEK MEDICAL ADVICE IF IRRITATION PERSISTS

AFTER INHALATION:

IF INHALED, REMOVE PERSON TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN.

AFTER INGESTION:

IF SWALLOWED, RINSE MOUTH WITH WATER (ONLY IF THE PERSON IS CONSCIOUS). OBTAIN MEDICAL ADVICE.

5: FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA:

FOAM (PREFERRED), DRY CHEMICAL, WATER.

SPECIAL FIREFIGHTING PROCEDURES:

WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SELF.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

HEATED, SEALED CONTAINERS WILL BUILD UP PRESSURE; COOL WITH WATER SPRAY IF POSSIBLE.

6: ACCIDENTAL RELEASE MEASURES

WEAR RESPIRATOR, CHEMICAL SAFETY GOGGLES, RUBBER BOOTS AND HEAVY RUBBER GLOVES. KEEP PEOPLE AWAY, EVACUATE AREA.

TO AVOID POSSIBLE CONTAMINATION OF THE ENVIRONMENT, DO NOT DISCHARGE INTO ANY DRAINS, SURFACE WATERS OR GROUND WATERS.



APPCHEM/BON







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HEMIBON COVER WITH AN INERT, INORGANIC, NON-COMBUSTIBLE ABSORBENT MATERIAL (E.G. DRY-LIME, SAND, SODA ASH). PLACE IN COVERED CONTAINERS USING NON-SPARKING TOOLS AND TRANSPORT OUTDOORS.

AVOID OPEN FLAMES OR SOURCES OF IGNITION (E.G. PILOT LIGHTS ON GAS HOT WATER HEATER). VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE. DISPOSE OF IN ACCORDANCE WITH A STATE OF THE PROPERTY OF THE PROPE **CURRENT LAWS AND REGULATIONS.**

7: HANDLING AND STORAGE

HANDLE THE PRODUCT USING GOOD MANUFACTURING PRACTICE, AVOID SKIN CONTACT AND INHALATION. PROVIDE SUITABLE AIR EXTRACTION VENTILATION IN THE WORK AREAS. VAPORS MAY FORM EXPLOSIVE A 1800 PROVIDE SUITABLE AIR EXTRACTION VENTILATION IN THE WORK AREAS. MIXTURES WITH AIR. KEEP MATERIAL AWAY FROM SOURCES OF IGNITION (E.G. HOT SURFACES, SPARKS, FLAME AND STATIC DISCHARGES.

TO BE STORED IN TIGHTLY SEALED AND PREFERABLY FULL CONTAINERS IN COOL, DRY AND VENTILATED AREA. PROTECT FROM HEAT/OVERHEATING AND LIGHT SOURCES.

KEEP IN GLASS, SUITABLE PLASTIC, ALUMINUM OR LAQUER-LINED CONTAINERS.

8: EXPOSURE CONTROLS / PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMITS:

OSHA TWA: NOT DETERMINED

ACGIH TWA: NOT DETERMINED

NIOSH TWA: NOT DETERMINED →

OSHA PEL: NOT DETERMINED

ACGIH STEL: NOT DETERMINED

NIOSH STEL: NOT DETERMINED

RESPIRATORY PROTECTION:

DO NOT BREATH VAPORS. MECHANICAL EXHAUST REQUIRED. IN CONFINED OR POORLY VENTILATED AREAS, THE USE OF AN APPROPRIATE RESPIRATORY PROTECTION MAY BE REQUIRED.

HAND PROTECTION:

COMPATIBLE CHEMICAL-RESISTANT GLOVES ARE RECOMMENDED. WASH CONTAMINATED GLOVES BEFORE REUSE.

EYE PROTECTION:

CHEMICAL SAFETY GOGGLES ARE RECOMMENDED. WASH CONTAMINATED GOGGLES BEFORE REUSE.

BODY PROTECTION:

LIGHT PROTECTIVE CLOTHING RECOMMENDED. WASH CONTAMINATED CLOTHING BEFORE REUSE.

HYGIENE MEASURES:

AVOID INHALATION AND CONTACT WITH SKIN AND EYES. GOOD PERSONAL HYGIENE PRACTICES SHOULD BE USED. WASH AFTER ANY CONTACT, BEFORE BREAKS AND MEALS, AND AT THE END OF THE WORK PERIOD. SAFETY SHOWER AND EYE BATH RECOMMENDED.

























TEMIBON

PCHEMIBON

西安天美生物科技股份有限公司 XI'AN APP-CHEM BIO(TECH) CO.,LTD

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9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE / ODOR:

ALMOST WHITE CRYSTALLINE POWDER /CHARACTERISTIC

MELTING POINT: 256-257°C AT 760MM

> **FLAMMABILITY:** NOT DETERMINED

APPCHEM/BON **AUTOFLAMMABILITY: NOT DETERMINED**

EXPLOSIVE PROPERTIES: NOT DETERMINED

OXIDIZING PROPERTIES: NOT DETERMINED

> **VAPOR PRESSURE: NOT DETERMINED**

VAPOR DENSITY: NOT DETERMINED

EVAPORATION RATE: NOT DETERMINED

> 0.50-0.70G/CM3 **BULK DENSITY:**

PH OF PRODUCT: NOT DETERMINED

INSOLUBLE SOLUBILITY IN WATER:

10: STABILITY AND REACTIVITY

STABILITY: STABLE HEAT, EXCESSIVE HEAT, OPEN FLAMES AND OTHER SOURCES OF

CONDITIONS TO AVOID: IGNITION.

APPCHEM/PHAZARDOUS DECOMPOSITION HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS: CARBON

MONOXIDE, CARBON DIOXIDE, HAZARDOUS POLYMERIZATION WILL

NOT OCCUR.

11: TOXICOLOGICAL INFORMATION

ACUTE ORAL TOXICITY: THIS PRODUCT MAY BE HARMFUL IF IT IS SWALLOWED.

ACUTE DERMAL TOXICITY: N/A

12: ECOLOGICAL INFORMATION

BIODEGRADABILITY

READILY BIODEGRADABLE: NOT DETERMINED

INHERENTLY BIODEGRADABLE: NOT DETERMINED

ECOTOXICITY

APPCHEM/BON

APPCHEM/BON

APPC

FISH: **NOT DETERMINED**

ALGAE: NOT DETERMINED

DAPHNIA: NOT DETERMINED APPCHEMIB









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CHEMIBON

	BACTERIA:	NOT DETERMINED
-20()	HEMBO FURTHER INFORMATION:	PREVENT CONTAMINATION OF SOIL, GROUND AND SURFACE WATERS. DO NOT DISCHARGE PRODUCT UNMONITORED INTO THE ENVIRONMENT.
APPC	MIXTURE REPORTABLE TO:	NONE FOUND DPCHENT

13: DISPOSAL CONSIDERATIONS

DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS. APPCHEM/BON

SOILED EMPTY CONTAINERS ARE TO BE TREATED IN THE SAME MANNER.

AVOID DISPOSAL INTO DRAINAGE SYSTEMS.

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14.	IPAI		

	US DOT HAZARD CLASS :	N/A KEEP AWAY FROM CHILDREN	0.5
APPCI	UN NUMBER :	NOT CLASSIFIED	CHEMIBO
K	UN PKG. GROUP:	NOT CLASSIFIED	APPCI
	UN ITEM:	NOT CLASSIFIED	J
	ERG NUMBER :	NOT CLASSIFIED	

15: REGULATORY INFORAMTION

TOXIC SUBSTANCES CONTROL ACT: THIS PRODUCT IS LISTED ON THE U.S. EPA TSCA INVENTORY.

	HAZARD SYMBOL:	XN;XI
	CLASSIFICATION	N/A PRCHEMIO
-1-l	EM/BOIT RISK PHRASES	R36/37/38; R20/21/22
APPCF	SAFETY PHRASES	\$36/37; \$36; \$26

16: OTHER INFORMATION

THE SAFETY DATA SHEET IS INTENDED TO PROVIDE INFORMATION ON SAFETY MATTERS AND IS NOT TO BE **USED FOR QUALITY ASSURANCE PURPOSES.**

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