

# MATERIAL SAFETY DATA SHEET

FILE NO.: MSDS-WB7153-450

NAME OF PRODUCT AG 190-PRIMER

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## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

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PRODUCT NAME: AG 190 PRIMER

SYNONYMS:

PRODUCT CODES: WB7153-450

MANUFACTURER: Flexabar Corporation

CHEMICAL FAMILY: NA

CHEMICAL FORMULA: NA

PRODUCT USE: Water base primer for fiberglass hulls.

PREPARED BY: Hamdi Latif

SECTION 1 NOTES:

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## SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

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**INGREDIENT:** Acrylic Polymer

<u>CAS NO.</u>	<u>% WT</u>	<u>% VOL</u>	<u>SARA 313 REPORTABLE</u>
Proprietary	26.00 -31.00		NO
	<u>ppm</u>	<u>mg/m3</u>	
OSHA PEL-TWA:	NE	NE	
OSHA PEL STEL :	NE	NE	
OSHA PEL CEILING:	NE	NE	
ACGIH TLV-TWA:	NE	NE	
ACGIH TLV STEL:	NE	NE	
ACGIH TLV CEILING:	NE	NE	

**INGREDIENT:** Dipropylene Glycol n-Butyl Ether

<u>CAS NO.</u>	<u>% WT</u>	<u>% VOL</u>	<u>SARA 313 REPORTABLE</u>
29911-28-2	1.00	- 2.00	NO
	<u>ppm</u>	<u>mg/m3</u>	
OSHA PEL-TWA:	No data available		
OSHA PEL STEL :	No data available		
OSHA PEL CEILING:	No data available		
ACGIH TLV-TWA:	No data available		
ACGIH TLV STEL:	No data available		
ACGIH TLV CEILING:	No data available		

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## SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS Continued

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### INGREDIENT: ETHYLENE GLYCOL

<u>CAS NO.</u>	<u>% WT</u>	<u>% VOL</u>	<u>SARA 313 REPORTABLE</u>
107-21-1	.70 - 1.00		YES

	<u>ppm</u>	<u>mg/m3</u>
OSHA PEL-TWA:		
OSHA PEL STEL :		
OSHA PEL CEILING:	50	

ACGIH TLV-TWA:	
ACGIH TLV STEL:	
ACGIH TLV CEILING:	50 (vapor)

### INGREDIENT: PROPYLENE GLYCOL

<u>CAS NO.</u>	<u>% WT</u>	<u>% VOL</u>	<u>SARA 313 REPORTABLE</u>
57-55-6	.75 - 1.00		NO

	<u>ppm</u>	<u>mg/m3</u>
OSHA PEL-TWA:	No	data available
OSHA PEL STEL :		No data available
OSHA PEL CEILING:		No data available

ACGIH TLV-TWA:	No data available
ACGIH TLV STEL:	No data available
ACGIH TLV CEILING:	No data available

### INGREDIENT: N-Methyl-2-Pyrrolidone

<u>CAS NO.</u>	<u>% WT</u>	<u>% VOL</u>	<u>SARA 313 REPORTABLE</u>
872-50-4	.40 - .60		NO

	<u>ppm</u>	<u>mg/m3</u>
OSHA PEL-TWA:	No	data available
OSHA PEL STEL :		No data available
OSHA PEL CEILING:		No data available

ACGIH TLV-TWA:	No data available
ACGIH TLV STEL:	No data available
ACGIH TLV CEILING:	No data available

### SECTION 2 NOTES:

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## SECTION 3: HAZARDS IDENTIFICATION

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### EMERGENCY OVERVIEW:

ROUTES OF ENTRY: EYES, SKIN, AND INGESTION

### POTENTIAL HEALTH EFFECTS

EYES: MAY CAUSE REDNESS, BURNING AND IRRITATION.

SKIN: MAY CAUSE IRRITATION. PROLONGED OR REPEATED CONTACT MAY CAUSE RASH OR REDNESS.

INGESTION: WILL CAUSE IRRITATION AND SORNESS OF MOUTH AND THROAT, MAY BE TOXIC.

INHALATION: NOT PROBABLE.

ACUTE HEALTH HAZARDS: DERMATITIS. TOXIC IF INGESTED IN LARGE QUANTITIES.

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CHRONIC HEALTH HAZARDS: REPEATED OR PROLONGED CONTACT WILL CAUSE DRYING AND DEFATTING OF THE SKIN.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: ANY DERMAL SENSITIVITY.

## CARCINOGENICITY

OSHA: NO                    ACGIH: NO                    NTP: NO                    IARC: NO  
OTHER:

## SECTION 3 NOTES:

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## SECTION 4: FIRST AID MEASURES

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EYES: FLUSH EYES WITH LARGE QUANTITIES OF WATER, IF IRRITATION PERSISTS, SEE A PHYSICIAN.

SKIN: WASH AFFECTED AREA THOROUGHLY WITH SOAP AND WATER. IF IRRITATION PERSISTS OR RASH DEVELOPS SEE A PHYSICIAN.

INGESTION: IF SWALLOWED, GIVE A LARGE QUANTITY OF WATER TO DRINK. CONSULT A PHYSICIAN.

INHALATION: NOT PROBABLE

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: FOR FURTHER INFORMATION CALL, CHEMTREC NUMBER IN SECTION ONE.

## SECTION 4 NOTES:

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## SECTION 5 FIRE-FIGHTING MEASURES

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FLAMMABLE LIMITS IN AIR, UPPER:  
(% BY VOLUME) NA                    LOWER: NA

### FLASH POINT:

F: NA

C: NA

### METHOD USED:

### AUTOIGNITION TEMPERATURE:

F: NA

C: NA

### NFPA HAZARD CLASSIFICATION

HEALTH: 1                    FLAMMABILITY: 0                    REACTIVITY: 0  
OTHER:

### HMIS HAZARD CLASSIFICATION

HEALTH: 1                    FLAMMABILITY: 0                    REACTIVITY: 0  
PROTECTION: D

EXTINGUISHING MEDIA: DRY CHEMICAL/FOAM/CARBON DIOXIDE

SPECIAL FIRE FIGHTING PROCEDURES: TREAT AS LATEX PAINT (NON FLAMMABLE). FOR DRIED FILM, FIRE FIGHTERS SHOULD WEAR POSITIVE PRESSUE SELF-CONTAINED BREATHING APPARATUS. PERSONS NOT WEARING SUITABLE BREATHING PROTECTION SHOULD LEAVE THE AREA TO PREVENT SIGNIFICANT EXPOSURE TO TOXIC COMBUSTION GASSES.

UNUSUAL FIRE AND EXPLOSION HAZARDS NONE

HAZARDOUS DECOMPOSITION PRODUCTS: TOXIC GAS GENERATION (CO<sub>2</sub>CO<sub>2</sub>)

## SECTION 5 NOTES:

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

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ACCIDENTAL RELEASE MEASURES: PREVENT SPREAD OF SPILLED MATERIAL. PREVENT MATERIAL FROM ENTERING WATERWAYS OR SEWERS. PREVENT FROM CONTAMINATING SOIL. ONCE MATERIAL IS CONTAINED, ALLOW TO DRY. COLLECT MATERIAL FOR DISPOSAL. ADVISE ENVIRONMENTAL AUTHORITIES IF LIQUID PRODUCT ENTERS WATERWAYS OR SEWERS.

SECTION 6 NOTES:

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## SECTION 7: HANDLING AND STORAGE

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HANDLING AND STORAGE: HANDLE AS A LATEX COATING PRODUCT, USE APPROPRIATE PERSONAL PROTECTION. STORE IN A COOL DRY AREA, PROTECT FROM FREEZING.

OTHER PRECAUTIONS:

SECTION 7 NOTES:

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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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ENGINEERING CONTROLS: NONE

VENTILATION: LOCAL

RESPIRATORY PROTECTION: USE NIOSH APPROVED RESPIRATOR FOR CHEMICAL VAPORS.  
EYE PROTECTION: SPLASH PROOF GOGGLES OR FACE SHEILD.  
SKIN PROTECTION: USE LATEX OR RUBBER GLOVES, CHEMICAL APRON AND LONG SLEEVE SHIRT OTHER PROTECTIVE CLOTHING OR EQUIPMENT: FACILITIES USING THIS PRODUCT SHOULD BE EQUIPPED WITH EYEWASH STATION.

WORK HYGIENIC PRACTICES: WASH WELL AFTER CONTACT WITH THIS PRODUCT.

EXPOSURE GUIDELINES: SEE SECTION 2

SECTION 8 NOTES:

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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APPEARANCE: GRAY VISCOUS LIQUID

ODOR: TYPICAL LATEX, SLIGHT AMMONIA ODOR

PHYSICAL STATE: LIQUID

pH AS SUPPLIED: 7.5 - 8.5

pH (Other):

BOILING POINT:

F: 212 (WATER)

C: 100 (WATER)

MELTING POINT:

NA F:

C:

FREEZING POINT:

F: 32 (WATER)

C: 0 (WATER)

VAPOR PRESSURE (mmHg):

NE @

F: 17mm Hg @ 68° WATER

C: 17 mm Hg @ 20° WATER

VAPOR DENSITY (AIR = 1):

NE @

F: <1 @ 68° WATER

C: <1 @ 20° WATER

SPECIFIC GRAVITY (H2O = 1):

1.00 - 1.05 @

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68° F:  
20° C:

EVAPORATION RATE:

BAC (=1): <1

SOLUBILITY IN WATER: DILUTABLE

SECTION 9 NOTES:

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## SECTION 10: STABILITY AND REACTIVITY

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STABLE

UNSTABLE

STABILITY: STABLE

CONDITIONS TO AVOID (STABILITY): PROTECT FROM FREEZING

INCOMPATIBILITY (MATERIAL TO AVOID): STRONG OXIDIZING AGENTS, (HYDROGEN PEROXIDE / PERMANGANATES / PERCHLORATES) DEPENDING ON THE AMOUNT. CONTACT CAN RESULT IN INTENSE HEAT/EXPLOSION.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: TOXIC GAS GENERATION (CO<sub>2</sub>CO)

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

CONDITIONS TO AVOID (POLYMERIZATION):

SECTION 10 NOTES:

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## SECTION 11 TOXICOLOGICAL INFORMATION

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TOXICOLOGICAL INFORMATION: INHALATION OF CONCENTRATED VAPORS MAY IRRITATE THE RESPIRATORY SYSTEM REPEATED OR PROLONGED SKIN CONTACT MY CAUSE IRRITATION AND DEVELOP SECONDARY ALLERGIC REACTIONS. MAY DRY OUT AND DEFAT SKIN TISSUE. WILL CAUSE EYE IRRITATION AND REDNESS. INGESTION MAY CAUSE VOMITING AND STOMACH PAINS.

SECTION 11 NOTES:

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## SECTION 12: ECOLOGICAL INFORMATION

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ECOLOGICAL INFORMATION: THIS PRODUCT IS MISCIBLE IN WATER AND TOXIC TO THE MARINE ENVIRONMENT. PREVENT LIQUID PRODUCT FROM ENTERING SEWERS OR WATERWAYS.

SECTION 12 NOTES:

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## SECTION 13: DISPOSAL CONSIDERATIONS

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WASTE DISPOSAL METHOD: MATERIAL MUST BE DISPOSED OF IN ACCORDANCE WITH NATIONAL AND LOCAL REGULATIONS.

RCRA HAZARD CLASS:

SECTION 13 NOTES:

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## SECTION 14: TRANSPORT INFORMATION

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US DOT HAZARD CLASS:.....NOT REGULATED

SECTION 14 NOTES:

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## SECTION 15: REGULATORY INFORMATION

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**313 REPORTABLE INGREDIENTS:** This material contains the following components with known CAS numbers that exceed the De Minimis reporting levels established by SARA Title II, Section 313 and 40CFR 372

ETHYLENE GLYCOL CAS. # 107-21-1

### SECTION 15 NOTES:

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## SECTION 16: OTHER INFORMATION

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**ABBREVIATIONS:**

OSHA	ACGIH = American Conference of Governmental Industrial Hygienists = Occupational Safety and Health Administration
	TLV = Threshold Limit Value
	TWA = Time Weighted Average
	PEL = Permissible Exposure Limit
	STEL = Short Term Exposure Limit
	Bac = Butyl Acetate
	NA = Not Applicable

**PREPARATION INFORMATION:** HMIS Hazard Ratings Scale 0 = Minimal, 1 = Slight, 2 = Moderate, 3 = Serious, 4 = Extreme  
Check with supervisor for appropriate personal protection in accordance with rating.

### DISCLAIMER:

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