



Brute Strength. Professional Grade.™

## SAFETY DATA SHEET

### GorillaPro™ AR250

Version 1.0

Revision Date 08/21/2020

#### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : GorillaPro™ AR250  
Product code : 100000013118

##### Manufacturer or supplier's details

Company : H.B. Fuller Engineering Adhesives  
Address : 9001 W Fey Drive  
Frankfort, IL, 60423  
Telephone : 1-815-464-5606

Medical Emergency Phone Number (24 Hours): 1-888-853-1758

Transport Emergency Phone Number (CHEMTREC): 1-800-424-9300

##### Recommended use of the chemical and restrictions on use

Recommended use : Anaerobic Cure Adhesive  
Restrictions on use : For industrial use only.

#### SECTION 2. HAZARDS IDENTIFICATION

##### Emergency Overview

Appearance	liquid
Color	green
Odor	characteristic

##### GHS Classification

Skin irritation : Category 2  
Eye irritation : Category 2A  
Skin sensitization : Category 1  
Specific target organ toxicity - repeated exposure : Category 2

##### GHS label elements

Hazard pictograms :

Signal Word : Warning



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#### Hazard Statements:

H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H373 May cause damage to organs through prolonged or repeated exposure.

#### Precautionary Statements:

**Prevention:** P260 Do not breathe dust/ fume/ gas/ mist/ vapors/ spray. P264 Wash skin thoroughly after handling. P272 Contaminated work clothing must not be allowed out of the workplace. P280 Wear protective gloves/ eye protection/ face protection.

**Response:** P302 + P352 IF ON SKIN: Wash with plenty of soap and water. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P314 Get medical advice/ attention if you feel unwell. P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention. P337 + P313 If eye irritation persists: Get medical advice/ attention. P362 Take off contaminated clothing and wash before reuse.

**Disposal:** P501 Dispose of contents/ container to an approved waste disposal plant.

#### Potential Health Effects

#### Carcinogenicity:

##### IARC

Group 2B: Possibly carcinogenic to humans  
cumene 98-82-8

N,N-dimethyl-p-toluidine 99-97-8

##### OSHA

No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

##### NTP

Reasonably anticipated to be a human carcinogen  
cumene 98-82-8

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

#### Hazardous ingredients

Chemical name	CAS-No.	Concentration [%]
methacrylic acid, monoester with propane-1,2-diol	27813-02-1	30 - 50
α,α-dimethylbenzyl hydroperoxide	80-15-9	1 - 5
Poly(oxy-1,2-ethanediyl), .alpha.-(2-methyl-1-oxo-2-propenyl)-.omega.-[(2-methyl-1-oxo-2-propenyl)oxy]-	25852-47-5	1 - 5
maleic acid	110-16-7	0.1 - 1
cumene	98-82-8	0.1 - 1
2'-phenylacetohydrazide	114-83-0	0.1 - 1
N,N-dimethyl-p-toluidine	99-97-8	0.1 - 1

Actual concentration is withheld as a trade secret



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#### SECTION 4. FIRST AID MEASURES

- |                         |   |
|-------------------------|---|
| General advice          | : Show this material safety data sheet to the doctor in attendance.   |
| If inhaled              | : Move to fresh air.<br>Keep patient warm and at rest.<br>Consult a physician after significant exposure.             |
| In case of skin contact | : Wash off immediately with soap and plenty of water.<br>Call a physician if irritation develops or persists.         |
| In case of eye contact  | : Rinse immediately with plenty of water, also under the eyelids.<br>Seek medical advice.                             |
| If swallowed            | : If swallowed, call a poison control center or doctor immediately.<br>Do not induce vomiting without medical advice. |

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#### SECTION 5. FIRE-FIGHTING MEASURES

- |  |   |
|--|---|
| Suitable extinguishing media                   | : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.  |
| Unsuitable extinguishing media                 | : Water spray jet   |
| Hazardous combustion products                  | : Nitrogen oxides (NOx)<br>Sulfur oxides  |
| Specific extinguishing methods                 | :   |
| Further information                            | : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.           |
| Special protective equipment for fire-fighters | : Wear an approved positive pressure self-contained breathing apparatus in addition to standard fire fighting gear. |

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#### SECTION 6. ACCIDENTAL RELEASE MEASURES

- |   |  |
|---|--|
| Personal precautions, protective equipment and emergency procedures | : Refer to protective measures listed in sections 7 and 8.<br>Ensure adequate ventilation.           |
| Environmental precautions   | : Prevent product from entering drains.<br>Do not flush into surface water or sanitary sewer system. |



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Methods and materials for containment and cleaning up : Ventilate the area.  
Soak up with inert absorbent material.  
Shovel or sweep up.

#### SECTION 7. HANDLING AND STORAGE

Local/Total ventilation : Use only with adequate ventilation.

Advice on safe handling : Wear personal protective equipment.  
Do not get on skin or clothing.  
Keep away from heat and flame.

Conditions for safe storage : Keep containers tightly closed in a dry, cool and well-ventilated place.  
Store in original container.

Materials to avoid : Do not store together with oxidizing and self-igniting products.

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

##### Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
cumene	98-82-8	TWA	50 ppm	ACGIH
		TWA	50 ppm 245 mg/m3	NIOSH REL
		TWA	50 ppm 245 mg/m3	OSHA Z-1
		TWA	50 ppm 245 mg/m3	OSHA P0
		PEL	50 ppm 245 mg/m3	CAL PEL

##### Personal protective equipment

Respiratory protection : Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.

Filter type : Combined particulates and organic vapor type



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Hand protection	:	Neoprene gloves
Material	:	Nitrile rubber
	:	butyl-rubber
Eye protection	:	Tightly fitting safety goggles
	:	Ensure that eyewash stations and safety showers are close to the workstation location.
Skin and body protection	:	Long sleeved clothing
	:	Preventive skin protection
Protective measures	:	Avoid contact with skin.
Hygiene measures	:	Avoid contact with skin, eyes and clothing.

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#### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	liquid
Color	:	green
Odor	:	characteristic
Odor Threshold	:	No data available
Melting point/freezing point	:	is not determined
Boiling point/boiling range	:	is not determined
Evaporation rate	:	is not determined
Flammability (solid, gas)	:	Not classified as a flammability hazard
Upper explosion limit	:	Upper flammability limit is not determined
Lower explosion limit	:	Lower flammability limit is not determined
Density	:	1.06 g/cm <sup>3</sup>
Solubility(ies)	:	
Water solubility	:	is not determined
Partition coefficient: n-octanol/water	:	No data available
Autoignition temperature	:	is not determined
Viscosity	:	
Viscosity, kinematic	:	is not determined



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#### SECTION 10. STABILITY AND REACTIVITY

Chemical stability : The product is chemically stable.

Hazardous decomposition products : Nitrogen oxides (NO<sub>x</sub>)  
Sulfur oxides

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#### SECTION 11. TOXICOLOGICAL INFORMATION

##### Acute toxicity

###### Product:

Acute oral toxicity : Acute toxicity estimate : > 5,000 mg/kg  
Method: Calculation method

Acute inhalation toxicity : Acute toxicity estimate : 67.81 mg/l  
Exposure time: 4 h  
Test atmosphere: vapor  
Method: Calculation method

Acute dermal toxicity : Acute toxicity estimate : > 5,000 mg/kg  
Method: Calculation method

###### Components:

###### **α,α-dimethylbenzyl hydroperoxide:**

Acute oral toxicity : LD50 Oral Rat: 382 mg/kg

Acute inhalation toxicity : LC50 Rat: 220 ppm  
Exposure time: 4 h  
Test atmosphere: vapor

Acute dermal toxicity : LD50 Dermal Rat: 500 mg/kg

###### **maleic acid:**

Acute oral toxicity : LD50 Oral Rat: 708 mg/kg

Acute dermal toxicity : LD50 Dermal Rabbit: 1,560 mg/kg

###### **cumene:**

Acute oral toxicity : LD50 Oral Rat: 1,400 mg/kg



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#### **Skin corrosion/irritation**

No data available

#### **Serious eye damage/eye irritation**

No data available

#### **Respiratory or skin sensitization**

No data available

#### **Germ cell mutagenicity**

No data available

#### **Carcinogenicity**

No data available

#### **Reproductive toxicity**

No data available

#### **STOT-single exposure**

No data available

#### **STOT-repeated exposure**

No data available

#### **Aspiration toxicity**

No data available

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## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

#### **Components:**

#### **methacrylic acid, monoester with propane-1,2-diol :**

Toxicity to fish : LC50 (Fish): 493 mg/l  
Exposure time: 48 h  
Test Method: static test

#### **$\alpha,\alpha$ -dimethylbenzyl hydroperoxide :**

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 3.9 mg/l  
Exposure time: 96 h  
Test Method: static test

Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): 7 mg/l



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aquatic invertebrates

Exposure time: 24 h  
Test Method: static test

#### maleic acid :

Toxicity to fish

: LC50 (Pimephales promelas (fathead minnow)): 5 mg/l  
Exposure time: 96 h  
Test Method: static test

#### cumene :

Toxicity to fish

: LC50 (Oncorhynchus mykiss (rainbow trout)): 2.7 mg/l  
Exposure time: 96 h  
Test Method: semi-static test

Toxicity to daphnia and other  
aquatic invertebrates

: EC50 (Daphnia magna (Water flea)): 0.6 mg/l  
Exposure time: 48 h  
Test Method: static test

Toxicity to algae

: EC50 (Pseudokirchneriella subcapitata (microalgae)): 2.6 mg/l  
Exposure time: 72 h  
Test Type: flow-through test

#### N,N-dimethyl-p-toluidine :

Toxicity to fish

: LC50 (Pimephales promelas (fathead minnow)): 42 - 50.5 mg/l  
Exposure time: 96 h  
Test Method: flow-through test

#### Persistence and degradability

No data available

#### Bioaccumulative potential

#### Mobility in soil

No data available

#### Other adverse effects

No data available

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### SECTION 13. DISPOSAL CONSIDERATIONS

#### Disposal methods

Waste from residues

: Do not dispose of together with household waste.  
Do not dispose of waste into sewer.  
To the best of our knowledge, this product does not meet the definition of hazardous waste under the U.S. EPA Hazardous Waste Regulations 40 CFR 261. Disposal via incineration at an approved facility is recommended, as industry best





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practice. Consult state, local or provincial authorities for more restrictive requirements.

#### SECTION 14. TRANSPORT INFORMATION

##### Special precautions for user

Not applicable

##### Domestic regulation

###### 49 CFR

Not regulated as a dangerous good

##### International Regulations

###### UNRTDG

Not regulated as a dangerous good

###### IATA-DGR

Not regulated as a dangerous good

###### IMDG-Code

Not regulated as a dangerous good

##### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

#### SECTION 15. REGULATORY INFORMATION

**SARA 311/312 Hazards** : Respiratory or skin sensitization  
Specific target organ toxicity (single or repeated exposure)  
Skin corrosion or irritation  
Serious eye damage or eye irritation

**SARA 302** : This material does not contain any components with a section 302 EHS TPQ.

**SARA 313** : The following components are subject to reporting levels established by SARA Title III, Section 313:

$\alpha,\alpha$ -dimethylbenzyl hydroperoxide	80-15-9
cumene	98-82-8



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#### Clean Air Act

The following chemical(s) are listed as HAP under the U.S. Clean Air Act, Section 112 (40 CFR 61):

cumene 98-82-8

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

#### US State Regulations

**California Prop 65** Please contact Supplier for more information.

#### The ingredients of this product are reported in the following inventories:

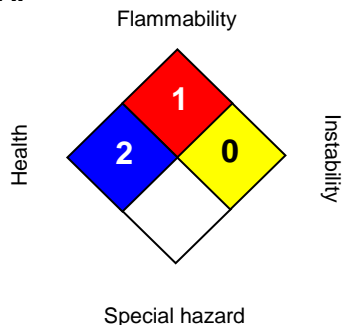
**TSCA** All substances listed as active on the TSCA inventory  
**DSL** All components of this product are on the Canadian DSL  
**Inventories Legend** TSCA (USA), DSL (Canada), REACH(Europe), AICS (Australia), NZIoC (New Zealand), ENCS (Japan), KECI (Korea), PICCS (Philippines), IECSC (China), TWINV (Taiwan)

## SECTION 16. OTHER INFORMATION

Prepared by: Global Regulatory Department - phone: 1-651-236-5842 - email: msds.request@hbfuller.com

#### Further information

##### NFPA:



##### HMIS III:

<b>HEALTH</b>	<b>2*</b>
<b>FLAMMABILITY</b>	<b>1</b>
<b>PHYSICAL HAZARD</b>	<b>0</b>

0 = not significant, 1 =Slight,  
2 = Moderate, 3 = High  
4 = Extreme, \* = Chronic

The information and recommendations set forth herein are believed to be accurate. Because some of the information is derived from information provided to the H.B. Fuller Company from its suppliers, and because the H.B. Fuller Company has no control over the conditions of handling and use, the H.B.



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