



Brute Strength. Professional Grade.™

## SAFETY DATA SHEET

### GorillaPro™ AS10

Version 1.0

Revision Date 08/21/2020

#### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : GorillaPro™ AS10  
Product code : 100000013123

##### 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	off-white
Odor	characteristic

##### GHS Classification

Skin irritation : Category 2  
Eye irritation : Category 2A  
Skin sensitization : Category 1  
Specific target organ toxicity - single exposure : Category 3 (Respiratory system)  
Specific target organ toxicity - repeated exposure : Category 2

##### GHS label elements

Hazard pictograms :





Brute Strength. Professional Grade.™

## SAFETY DATA SHEET

### GorillaPro™ AS10

Version 1.0

Revision Date 08/21/2020

Signal Word : Warning

#### Hazard Statements:

H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H335 May cause respiratory 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. P271 Use only outdoors or in a well-ventilated area. 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. P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell. 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.

**Storage:** P403 + P233 Store in a well-ventilated place. Keep container tightly closed. P405 Store locked up.

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

#### Potential Health Effects

#### Carcinogenicity:

##### IARC

Group 2B: Possibly carcinogenic to humansNot applicable

titanium dioxide 13463-67-7

cumene 98-82-8

##### 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 carcinogenNot applicable

cumene 98-82-8

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

#### Hazardous ingredients

Chemical name	CAS-No.	Concentration [%]
Poly(oxy-1,2-ethanediyl), .alpha.-(2-methyl-1-oxo-2-propenyl)-.omega.-[(2-methyl-1-oxo-2-propenyl)oxy]-	25852-47-5	30 - 50
Oleic acid, ethoxylated	9004-96-0	20 - 30



Brute Strength. Professional Grade.™

## SAFETY DATA SHEET

### GorillaPro™ AS10

Version 1.0

Revision Date 08/21/2020

titanium dioxide	13463-67-7	1 - 5
$\alpha,\alpha$ -dimethylbenzyl hydroperoxide	80-15-9	1 - 5
cumene	98-82-8	0.1 - 1

Actual concentration is withheld as a trade secret

#### SECTION 4. FIRST AID MEASURES

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

#### 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 (NO<sub>x</sub>)  
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.

#### SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, : Refer to protective measures listed in sections 7 and 8.



Brute Strength. Professional Grade.™

## SAFETY DATA SHEET

### GorillaPro™ AS10

Version 1.0

Revision Date 08/21/2020

<p>protective equipment and emergency procedures</p> <p>Environmental precautions</p> <p>Methods and materials for containment and cleaning up</p>	<p>Ensure adequate ventilation.</p> <p>: Prevent product from entering drains. Do not flush into surface water or sanitary sewer system.</p> <p>: Ventilate the area. Soak up with inert absorbent material. Shovel or sweep up.</p>
---	---

#### SECTION 7. HANDLING AND STORAGE

<p>Local/Total ventilation</p> <p>Advice on safe handling</p> <p>Conditions for safe storage</p> <p>Materials to avoid</p>	<p>: Use only with adequate ventilation.</p> <p>: Wear personal protective equipment. Do not get on skin or clothing. Keep away from heat and flame.</p> <p>: Keep containers tightly closed in a dry, cool and well-ventilated place. Store in original container.</p> <p>: Do not store together with oxidizing and self-igniting products.</p>
---	--

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

##### Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
titanium dioxide	13463-67-7	TWA	10 mg/m3	ACGIH
		TWA (total dust)	15 mg/m3	OSHA Z-1
		TWA (Total)	10 mg/m3	OSHA P0
		TWA (Total dust)	10 mg/m3	OSHA P0
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



Brute Strength. Professional Grade.™

Print Date 08/28/2020

Page 5 of 10

## SAFETY DATA SHEET

### GorillaPro™ AS10

Version 1.0

Revision Date 08/21/2020

		PEL	50 ppm 245 mg/m <sup>3</sup>	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

Hand protection  
Material : Neoprene gloves

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.

#### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid  
Color : off-white  
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



Brute Strength. Professional Grade.™

## SAFETY DATA SHEET

### GorillaPro™ AS10

Version 1.0

Revision Date 08/21/2020

---

Density	: 1.1 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

---

#### SECTION 10. STABILITY AND REACTIVITY

Chemical stability	: The product is chemically stable.
Hazardous decomposition products	: Nitrogen oxides (NO <sub>x</sub> ) Sulfur oxides

---

#### 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 : > 200 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

---



Brute Strength. Professional Grade.™

Print Date 08/28/2020  
Page 7 of 10

## SAFETY DATA SHEET

### GorillaPro™ AS10

Version 1.0

Revision Date 08/21/2020

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

**cumene:**

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

**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

---

## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

**Components:**

**α,α-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  
aquatic invertebrates : Exposure time: 24 h



Brute Strength. Professional Grade.™

## SAFETY DATA SHEET

### GorillaPro™ AS10

Version 1.0

Revision Date 08/21/2020

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 : EC50 (Daphnia magna (Water flea)): 0.6 mg/l  
aquatic invertebrates : 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

#### Persistence and degradability

No data available

#### Bioaccumulative potential

#### Mobility in soil

No data available

#### Other adverse effects

No data available

---

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

---

## SECTION 14. TRANSPORT INFORMATION

#### Special precautions for user

Not applicable





Brute Strength. Professional Grade.™

## SAFETY DATA SHEET

### GorillaPro™ AS10

Version 1.0

Revision Date 08/21/2020

#### 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

#### 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
--------	---------

#### US State Regulations

**California Prop 65**

Please contact Supplier for more information.



Brute Strength. Professional Grade.™

## SAFETY DATA SHEET

### GorillaPro™ AS10

Version 1.0

Revision Date 08/21/2020

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

**TSCA**

All substances listed as active on the TSCA inventory

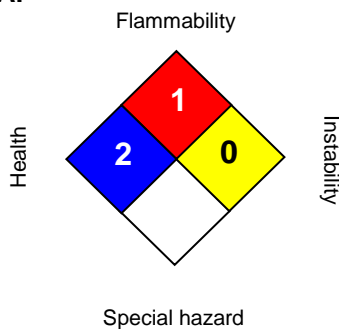
**Inventories Legend** TSCA (USA), DSL (Canada), REACH(Europe), AICS (Australia), NZIoC (New Zealand), ENCS (Japan), KECI (Korea), PICCS (Philippines), IECSC (China), TWINV (Taiwan)

#### 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. Fuller Company makes no warranty, expressed or implied, regarding the accuracy of the data or the results to be obtained from the use thereof. The information is supplied solely for your information and consideration, and the H.B. Fuller Company assumes no responsibility for use or reliance thereon. It is the responsibility of the user of H.B. Fuller Company products to comply with all applicable federal, state and local laws and regulations.