

Safety Data Sheet

BLACK MAGIC

SECTION I - IDENTIFICATION

PRODUCT NAME: BLACK MAGIC
PRODUCT CODE: 1200-A
PRODUCT USE: Carbon Remover
COMPANY NAME: BETA TECHNOLOGY, INC.
COMPANY ADDRESS: P.O. Box 218686, Houston, TX 77218
COMPANY PHONE: 281-647-9700
EMERGENCY PHONE: 800-535-5053

SECTION II – HAZARDS IDENTIFICATION

CLASSIFICATION: Flammable Aerosol: Category 1

Liquefied Gas

Corrosive to Metals

Skin Corrosive: Category 1B

Eye Damage: Category 1

Carcinogenicity: Category 2

Reproductive Toxicity: 2

Specific Target Organ Toxicity (Single Exposure): Category 3

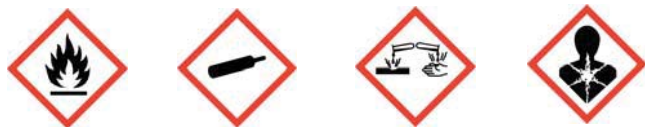
Specific Target Organ Toxicity (Repeated Exposure): Category 2

HAZARD STATEMENT(S): DANGER: Extremely Flammable Aerosol. Contains gas under pressure: May explode if heated. May be corrosive to metals. Causes severe skin burns and serious eye damage. Suspected of causing cancer. Suspected of damaging fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure. May cause respiratory irritation, drowsiness or dizziness.

This product contains the following percentage of chemicals of unknown toxicity: 0%

PRECAUTIONARY STATEMENTS: Keep away from heat, sparks, open flames, and hot surfaces. -No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Store in a well-ventilated place. Do not breathe fume, mist, vapors, or spray. Do not eat drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wash hands thoroughly after handling. Wear protective gloves and eye protection. If swallowed: Rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse. If inhaled: Remove person to fresh air and keep comfortable for breathing. Immediately call a poison center or doctor. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Dispose of contents and container in accordance with local, state, and national regulations. Absorb spillage to prevent material damage. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. If exposed, concerned, or if you feel unwell: Get medical advice or attention.

SYMBOL:



HAZARDS NOT OTHERWISE CLASSIFIED: N/A

SECTION III – COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENT	CAS NUMBER	PERCENT
2-Butoxyethanol	111-76-2	1-3%
Ethyl Alcohol	64-17-5	3-7%
Methanol	67-56-1	1-5%
Methylene Chloride	75-09-2	40-70%
Toluene	108-88-3	1-5%
Ammonium Hydroxide	1336-21-6	1-5%
Propane/n-Butane	68476-86-8	10-30%

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SECTION IV - FIRST AID MEASURES

EYES: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention.

INGESTION: If swallowed: Rinse mouth. Do NOT induce vomiting. Get medical advice or attention.

INHALATION: If inhaled: Remove person to fresh air and keep comfortable for breathing.

SKIN: If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

ACUTE HEALTH HAZARDS: Eyes: Severe burns

Skin: Severe burns

Inhalation: Irritation

Oral: abdominal irritation, nausea, vomiting, diarrhea, blindness, and Central nervous system impairment

CHRONIC HEALTH HAZARDS: Possible cancer causing agent and overexposure may also include damage to skin, kidneys, liver, lungs, blood, reproductive or central nervous systems. May cause dizziness, headache, nausea, mental confusion, or visual disturbances.

NOTE TO PHYSICIAN: If ingested, material may be aspirated into the lungs and cause chemical pneumonitis. Treat appropriately.

SECTION V – FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: Dry chemical, carbon dioxide, and alcohol foam.

UNSUITABLE EXTINGUISHING MEDIA: Water spray/stream.

SPECIAL FIRE FIGHTING PROCEDURES: Wear NIOSH approved Self Contained Breathing Apparatus with a full face piece operated in a positive pressure demand mode with full body protective clothing when fighting fires. Avoid breathing smoke, fumes, and decomposition products. Cool fire exposed containers with water fog to prevent bursting.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Contents under pressure. Exposure to temperatures above 120°F may cause bursting. Flammable.

HAZARDOUS COMBUSTION PRODUCTS: Phosgene, Hydrogen Chloride Gases & Nitrogen and Carbon oxides.

SECTION VI – ACCIDENTAL RELEASE MEASURES

PERSONAL PROTECTIVE EQUIPMENT: Refer to section VIII for proper Personal Protective Equipment.

SPILL: Remove any source of heat, flame, or sparks. Evacuate affected area. Mop up with appropriate absorbent material. Avoid breathing fumes ventilate area. Dispose of residue in accordance with federal, state and local guidelines.

WASTE DISPOSAL: Dispose of in accordance with federal, state, and local regulations. Do not reuse, puncture, or incinerate container. Wrap container and place in trash collection.

RCRA STATUS: Waste likely considered hazardous under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

SECTION VII – HANDLING AND STORAGE

HANDLING AND STORAGE: Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Pressurized container: Do not pierce or burn, even after use.

OTHER PRECAUTIONS: Keep out of the reach of children.

INCOMPATIBILITY: May attack certain plastics, rubber, & coatings. Incompatible w/ strong oxidizers & caustics, chemically active metal, such as Aluminum, magnesium powder, sodium, potassium, and lithium.

SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

HAZARDOUS INGREDIENT	OSHA PEL	ACGIH TLV
2-Butoxyethanol	50 ppm	20 ppm
Ethyl Alcohol	1000 ppm	1000 ppm
Methanol	200 ppm	200 ppm
Methylene Chloride	25 ppm	50 ppm
Toluene	200 ppm	50 ppm
Ammonium Hydroxide	50 ppm	25 ppm
Propane/n-Butane	1000 ppm	1000 ppm

ENGINEERING CONTROLS / VENTILATION: Ambient ventilation suitable, forced ventilation should not be required

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RESPIRATORY PROTECTION: Wear NIOSH/MSHA approved respiratory protection if exposure limits are exceeded.

PERSONAL PROTECTIVE EQUIPMENT: Safety glasses and chemical resistant gloves

ADDITIONAL MEASURES: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Pale Yellow Spray

ODOR: Ammonia odor

ODOR THRESHOLD: N/D

BOILING POINT: > 140°F (60°C)

FREEZING POINT: N/D

FLAMMABILITY: Extremely Flammable Aerosol

FLASH POINT: N/D

AUTOIGNITION TEMPERATURE: N/D

LOWER FLAMMABILITY LIMIT: N/D

UPPER FLAMMABILITY LIMIT: N/D

VAPOR PRESSURE (mm Hg): >100

VAPOR DENSITY (AIR=1): >2

EVAPORATION RATE: >2

SPECIFIC GRAVITY (H₂O=1): 1.17 @ 77°F (25°C)

pH: N/A

SOLUBILITY IN WATER: 0%

PARTITION COEFFICIENT: n-OCTANOL/WATER (K_{ow}): N/D

VOLATILE ORGANIC COMPOUNDS (VOC): 27.2%

DECOMPOSITION TEMPERATURE: N/D

VISCOSITY: 250cps

SECTION X – STABILITY AND REACTIVITY DATA

REACTIVITY: Chemically active metals and acids

CHEMICAL STABILITY: Stable under recommended storage conditions.

CONDITIONS TO AVOID: Excessive heat. Sources of ignition.

INCOMPATIBILITY: May attack certain plastics, rubber, & coatings. Incompatible w/ strong oxidizers & caustics, chemically active metal, such as Aluminum, magnesium powder, sodium, potassium, and lithium.

HAZARDOUS DECOMPOSITION OR BY-PRODUCT: Phosgene, Hydrogen Chloride Gases, Nitrogen & Carbon oxides.

POSSIBLE HAZARDOUS REACTIONS: None Known

SECTION XI – TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: **Methylene Chloride** (75-09-2): LD₅₀ (Oral, Rat) >2000 mg/kg. LD₅₀ (Dermal Rat) >2000 mg/kg. LC₅₀ (Inhalation, Rat) 52000 mg/m³. **Toluene** (108-88-3) LD₅₀ (Oral, Rat) 5580 mg/kg; LD₅₀ (Dermal, Rabbit) > 5000 mg/kg; LC₅₀ (Inhalation, Rat, 4hrs) 28.1 mg/L **Ammonium Hydroxide** (1336-21-6) LD₅₀ (Oral, Rat) 350 mg/kg **2-Butoxyethanol** (111-76-2) LD₅₀ (Oral, Rat) 320 mg/kg; LC₅₀ (Inhalation, Mice, 4hr) 700 ppm; LD₅₀ (Dermal, Rabbit) 440 mg/kg **Ethyl Alcohol** (64-17-5) LC₅₀ (Inhalation, Rat, 4hr) 133.6 mg/L; LD₅₀ (Oral, Mouse) >8311 mg/kg; LD₅₀ (Dermal, Rabbit) 16972.5 mg/kg **Methanol** (67-56-1) Oral LD₅₀ (Rat) 1187-2769 mg/kg; Inhalation LC₅₀ (Rat, 4h) 128.2 mg/l

ROUTES OF ENTRY: Eyes, Ingestion, Inhalation, Skin

EYES: Causes irritation, redness, temporary eye damage.

INGESTION: Causes gastrointestinal irritation, nausea, vomiting, abdominal cramps, dizziness.

INHALATION: May cause irritation to the respiratory tract, headaches, nausea, vomiting, lungs, and may cause fatigue. Excessive or prolonged exposure may cause dizziness and unconsciousness.

SKIN: Causes mild irritation, dryness, localize defatting.

MEDICAL CONDITION AGGRAVATED: Excessive exposure will aggravate pre-existing skin disorders, respiratory, liver, kidney, cardiovascular or pulmonary illnesses.

ACUTE HEALTH HAZARDS: Eyes: Severe burns

Skin: Severe burns

Inhalation: Irritation

Oral: abdominal irritation, nausea, vomiting, diarrhea, blindness, and Central nervous system impairment

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CHRONIC HEALTH HAZARDS: Possible cancer causing agent and overexposure may also include damage to skin, kidneys, liver, lungs, blood, reproductive or central nervous systems. May cause dizziness, headache, nausea, mental confusion, or visual disturbances.

CARCINOGENICITY: OSHA: Yes ACGIH: A2 - Suspected NTP: 1 - Known Carcinogen IARC: 1 - Human OTHER: CA Prop 65

SECTION XII – ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: Not Established

BIODEGRADABILITY: Component or components of this product are not biodegradable.

BIOACCUMULATION: Components in this mixture can bioaccumulate in aquatic organisms.

SOIL MOBILITY: This product is mobile in soil.

OTHER ECOLOGICAL HAZARDS: This material is toxic to aquatic life.

SECTION XIII – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Dispose of in accordance with federal, state, and local regulations. Do not reuse, puncture, or incinerate container. Wrap container and place in trash collection.

RCRA STATUS: Waste likely considered hazardous under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

SECTION XIV - TRANSPORTATION INFORMATION

PROPER SHIPPING NAME: Aerosols, Ltd. Qty.

HAZARD CLASS/DIVISION: 2.1 (6.1)

UN/NA NUMBER: UN 1950

PACKAGING GROUP: N/A

AIR SHIPMENT

PROPER SHIPPING NAME: Aerosols, Flammable, Toxic, Containing Substances in Division 6.1 Packaging Group III

HAZARD CLASS/DIVISION: 2.1 (6.1)

UN/NA NUMBER: UN 1950

PACKAGING GROUP: N/A

SHIPPING BY WATER:

VESSEL (IMO/IMDG)

PROPER SHIPPING NAME: Aerosols, Toxic

HAZARD CLASS/DIVISION: 2.1 (6.1)

UN/NA NUMBER: UN 1950

PACKAGING GROUP: N/A

ENVIRONMENTAL HAZARDS WATER: N/A

SECTION XV - REGULATORY INFORMATION

TSCA STATUS: All Chemicals are listed or exempt.

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): Methanol (67-56-1) Reportable Quantity = 5,000 lbs Methylene Chloride (75-09-2) Reportable Quantity = 1,000 lbs Toluene (108-88-3) Reportable Quantity = 1,000 lbs Ammonium Hydroxide (1336-21-6) Reportable Quantity = 1,000 lbs

SARA 311/312 HAZARD CATEGORIES: Acute Health, Chronic Health.

SARA 313 REPORTABLE INGREDIENTS: 2-Butoxy ethanol - 111-76-2, Methyl alcohol - 67-56-1, Methylene chloride - 75-09-2, Toluene - 108-88-3, Ammonium hydroxide - 1336-21-6

STATE REGULATIONS: CA Prop 65: This product contains chemicals known to the state of California to cause cancer: Methylene Chloride (75-09-2) **RTK:** MA, NJ, PA This product contains chemicals known to the state of California to cause reproductive and/or developmental toxicity: Methanol (67-56-1) and Toluene (108-88-3)

INTERNATIONAL REGULATIONS: Methylene Chloride - 75-09-2 - The components of this product are listed on the chemical inventories of the following countries: Australia - Hazchem. code 2Z, Poison Schedule S5, China, Europe (EINECS), Japan, Korea, Philippines, Canada. **WHMIS (Canada):** Class D-1B material causing immediate and serious toxic effects (toxic).

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Class D-2A: Material causing other toxic effects (very toxic). **DSCL (EEC): R22** - Harmful if swallowed. R38-irritating to skin. R41- Risk of serious damage to eyes. R45- May cause cancer.

NFPA HEALTH:	2	HMIS HEALTH:	2
NFPA FLAMMABILITY:	3	HMIS FLAMMABILITY:	3
NFPA REACTIVITY:	0	HMIS REACTIVITY:	0
NFPA OTHER:	None	HMIS PROTECTION:	B

SECTION XVI - ADDITIONAL INFORMATION

PREPARATION BY: Chioma Agbai

DATE PREPARED: 1/27/2014

REVISION DATE: 07/14/2017

N/A = Not Applicable; N/D = Not Determined

DISCLAIMER: To the best of our knowledge, information contained herein is accurate. However there is no assumption of liability for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazard which exists. The information contained in this SDS was obtained from current and reliable sources; however, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions or handling, storage and disposal of this product are beyond the control of the manufacturer, the manufacturer will not be responsible for loss, injury, or expense arising out of the products improper use. No warranty, expressed or inferred, regarding the product described in this SDS shall be created or inferred by any statement in this SDS. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product which may not be covered by this SDS. The user is responsible for full compliance.