MATERIAL SAFETY DATA SHEET

CARBON OFF

FILE NO.: 118636000
MSDS DATE: 8/25/11

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Carbon Off Aerosol
MANUFACTURER: DISCOVERY PRODUCTS
ADDRESS: PO Box 399
Valley Park, MO 63088
PRODUCT USE: Carbon Remover

PRODUCT CODES: 10619, 10919, 11219DC
EMERGENCY PHONE: 1-800-255-3924
CHEMTEL PHONE: 1-800-255-3924
OTHER CALLS: 636-464-6066

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT:	CAS NO.	PEL	TLV	%
2-BUTOXY ETHANOL	111-76-2	50 ppm	20 ppm	1 - 5
ETHYL ALCOHOL	64-17-5	1000 ppm	1000 ppm	1 - 5
METHYL ALCOHOL	67-56-1	200 ppm	200 ppm	1 - 5
METHYLENE CHLORIDE	75-09-2	25 ppm	50 ppm	60 – 70
TOLUENE	108-88-3	100 ppm	50 ppm	1 - 5
PETROLEUM SULF ACID SALT	68608-26-4		10 ppm	1 - 5
PROPANE/N-BUTANE	68476-86-8	N/A	1000ppm	10 - 20

SECTION 2 NOTES: All of the ingredients contained in this product are listed on the TSCA inventory.

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Aerosol under pressure do not expose to high temperatures or store in direct sunlight. Pressure can cause can to burst.
ROUTES OF ENTRY: EYES: Irritation, reddening, inflammation and temporal eye damage. **SKIN:** May cause localized dryness, and defat the skin if over exposed. **INGESTION:** Gastric discomfort May cause nausea and/ or diarrhea, and absorption through gastrointestinal tract may produce symptoms of central nervous system depression ranging from light headedness to unconsciousness. **INHALATION:** May irritate respiratory tract, lungs, and may cause fatigue, nausea, vomiting and headache. Excessive exposure can cause dizziness and unconsciousness.
ACUTE HEALTH HAZARDS: See Above **CHRONIC HEALTH HAZARDS:** Dermatitis, Liver and Kidney damage.
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Pre exsiting disorders with the skin, respiratory tract, liver, kidney, Central nervous system, heart, and auditory system will be aggravated by over exposure.
CARCINOGENICITY: OSHA: Yes **ACGIH:** Yes **NTP:** Yes **IARC:** Yes **OTHER:**

SECTION 4: FIRST AID MEASURES

EYES: Flush with water for 15 minutes, lifting lower and upper eyelids occasionally. Contact physician if irritation persists. **SKIN:** Wash with soap and water for 15 minutes. If irritation develops seek medical attention. **INGESTION:** Contact physician; do not induce vomiting unless directed by medical authority. Give large quantities of water if person is conscious. Get immediate medical attention. **INHALATION:** Move to fresh air. If not breathing administer artificial respiration. If breathing is difficult, give oxygen. Get medical attention. **NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:** If ingested, material may be aspirated into the lungs and cause chemical pneumonitis. Treat appropriately.

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR (% BY VOLUME): **LOWER:** 1.2 **UPPER:** 10.6
FLASH POINT: F: N/A **C:** N/A **METHOD USED:** **AUTOIGNITION TEMPERATURE: F:** N/A **C:** N/A
NFPA HAZARD CLASSIFICATION: HEALTH: 1 **FLAMMABILITY:** 3 **REACTIVITY** 0 **OTHER:**
HMIS HAZARD CLASSIFICATION: HEALTH: 1 **FLAMMABILITY:** 3 **REACTIVITY:** 0 **PROTECTION:** B
EXTINGUISHING MEDIA: ABC Dry chemical fire extinguisher, CO2, Water Spray or Alcohol-resistent foam.
SPECIAL FIRE FIGHTING PROCEDURES: Wear SCBA in fire situations. Do not use solid water spray for extinguishing media.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Flammable. Contents under pressure. Exposure to high temperatures above 120F can cause bursting. Keep away from heat, sparks, and open flames. Flash point is based on liquid less propellant.
HAZARDOUS DECOMPOSITION PRODUCTS: Phosgene, Hydrogen Chloride Gases & Nitrogen and Carbon oxides.

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: Remove any source of heat, flame, or sparks. Evacute affected area. Mop up with appropriate absorbent material. Avoid breathing fumes ventilate area. Dispose of residue in accordance with federal, state and local guidelines. Do not reuse empty container. Do not puncture or incinerate container. Wrap container and place in trash collection. Small releases may be wiped up with wiping material.

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: Do not use or store near heat or open flame. Exposure to temperatures above 120 F may cause bursting. Use with adequate ventilation. Store in accordance with NFPA, state and local regulations.
OTHER PRECAUTIONS: None
SECTION 7 NOTES:

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:
VENTILATION : Normal, forced ventilation should not be required
RESPIRATORY PROTECTION: N/A
EYE PROTECTION: Safety glasses are always recommended when using chemicals.
OTHER PROTECTIVE CLOTHING OR EQUIPMENT: N/A
SKIN PROTECTION: N/A
WORK HYGIENIC PRACTICES: Wash hands after use.
EXPOSURE GUIDELINES:
SECTION 8 NOTES:

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Hazy slight yellow liquid or spray. **ODOR:** Chlorinated Solvent **PHYSICAL STATE:** Liquid
pH AS SUPPLIED: N/A **BOILING POINT: F:** >104 **C:** >40
MELTING POINT: F: N/A **C:** **FREEZING POINT: F:** N/A **C:**
VAPOR PRESSURE (mmHg): > 100 **@ F:** 68 **C:** 20
VAPOR DENSITY (AIR = 1): > 2 **@ F:** 68 **C:** 20
SPECIFIC GRAVITY (H2O = 1): 1.17 **@ F:** 68 **C:** 20
EVAPORATION RATE (Butyl Acetate =1): >2
SOLUBILITY IN WATER: 95% **PERCENT SOLIDS BY WEIGHT:** N/A
PERCENT VOLATILE: 91% **BY WT/ BY VOL @ F:** 77 **C:** 25
VOLATILE ORGANIC COMPOUNDS (VOC): WITH WATER: LBS/GAL WITHOUT WATER: LBS/GAL
VISCOSITY: 1404 **@ F:** 75 **C:** 23.89
SECTION 9 NOTES:

SECTION 10: STABILITY AND REACTIVITY

STABILITY: **STABLE** **X** **UNSTABLE**
CONDITIONS TO AVOID (STABILITY): Moisture, heat, sparks, and open flames
INCOMPATIBILITY (MATERIAL TO AVOID): 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-PRODUCTS: Phosgene, Hydrogen Chloride Gases, Nitrogen & Carbon oxides.
HAZARDOUS POLYMERIZATION: None **CONDITIONS TO AVOID (POLYMERIZATION):** None

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: METHYLENE CHLORIDE - 75-09-2 – Oral rat LD50 1600 mg/kg, Inhalation rat LC50 52 g/m3
TOLUENE - 108-88-3 – Oral rat LD50: 636 mg/kg; skin rabbit LD50: 14100 uL/kg; inhalation rat LC50: 49 gm/m3/4H

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: Do not let residue come in contact with waterways in the United States.
Methylene Chloride - This material may leach into groundwater. Will quickly evaporate in the soil and water and may biodegrade to a moderate extent in the water. Will not significantly bioaccumulate. Released in the air this material is expected to have a half-life greater than 30 days.

ENVIRONMENTAL TOXICITY: LC50/96hr for fish - >100mg/l. Not expected to be toxic to aquatic life.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose of in accordance with local, State and Federal regulations

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION **PROPER SHIPPING NAME:** ORM-D **HAZARD CLASS:**
ID NUMBER: **PACKING GROUP:** **LABEL STATEMENT:**
WATER TRANSPORTATION **PROPER SHIPPING NAME:** Call manufacturer **HAZARD CLASS:**
ID NUMBER: **PACKING GROUP:** **LABEL STATEMENTS:**
AIR TRANSPORTATION WATER TRANSPORTATION **PROPER SHIPPING NAME:** Call manufacturer
HAZARD CLASS:
ID NUMBER: **PACKING GROUP:** **LABEL STATEMENTS:**

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT): All Chemicals are listed

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): METHYLENE CHLORIDE - 75-09-2 - 1000

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT): None

311/312 HAZARD CATEGORIES: METHYLENE CHLORIDE - 75-09-2 – Acute: Yes Chronic: Yes Fire: No Reactivity: No Pressure: No

313 REPORTABLE INGREDIENTS: 2-BUTOXY ETHANOL - 111-76-2, METHYL ALCOHOL - 67-56-1, METHYLENE CHLORIDE - 75-09-2, TOLUENE - 108-88-3

STATE REGULATIONS: This product contains chemical(s) METHYLENE CHLORIDE - 75-09-2; TOLUENE - 108-88-3 known to the state of California Proposition 65 to cause birth defects or other reproductive harm and cancer.

INTERNATIONAL REGULATIONS: Autralian Hazchem Code: 2Z and Inventory Status - yes; Canada Inventory Status - DSL: yes NDSL: No; Korea Inventory Status – Yes;

SECTION 15 NOTES:

SECTION 16: OTHER INFORMATION

OTHER INFORMATION: **PREPARATION INFORMATION:** Juanita Mercure

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