

Assembly Technologies International
(DBA American Beauty Tools)

Safety Data Sheet
29 CFR 1910.1200



Section 1: Company and Product Identification

Product Name: Replacement Electrodes ~ Carbon
(Plain & Copper Coated)

Model Numbers: 105159,10524, 10525, 10526, 10527, 10528, 10530, 10534,
10539, 10550, 10563, 10564, 10565, 10566, 22-184, 22-187,
22-190

Company: American Beauty Tools
1937 Barrett Dr.
Troy, MI 48084
PH: 1-800-550-2510, 1-248-280-2810

Emergency Response: CHEMTREC 24 Hour Emergency Telephone Numbers:
1-(800)-424-9300
+1 703-527-3887

Section 2: Hazards Identification

Hazard Pictograms:



Signal Word: Warning

Hazard Category: Serious eye damage/eye irritation Cat 2
Specific target organ tox, single exp. Cat 3 (resp irrit)

Hazard Statements: H319: Causes serious eye irritation
H335: May cause respiratory irritation

Precautionary Statements: P261: Avoid breathing dust/fume/gas/mist/vapours/spray
P264: Wash thoroughly after handling
P271: Use only outdoors or in a well-ventilated area
P304: IF INHALED:
P340: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P312: Call a POISON CENTER or doctor/physician if you feel unwell
P305: IF IN EYES:
P351: Rinse cautiously with water for several minutes
P338: Remove contact lenses if present and easy to do. continue rinsing
P337: If eye irritation persists:
P313: Get medical advice/attention
P405: Store locked up
P501: Dispose of contents/container in accordance with local/regional/national/international rules.
Dust generated during shipping, handling, or use may form combustible dust concentrations in air. Prevent dust accumulations.

Hazards not otherwise classified: The dust is electrically conductive and dust accumulations on electrical equipment can cause short circuits.
Dust from this product contains graphite and may create slippery conditions. Maintain good housekeeping.

Section 3: Composition / Information on Ingredients

Hazardous substance (name)	Hazard Category	CAS#	Weight %
Graphite	H319 -- Eye Irrit. 2 H335 -- STOT SE 3 -- Resp Tract	7782-42-5	0-95%
Carbon		7440-44-0	0-90%

Section 4: First Aid Measures

General Info: First aid may be required if exposed to large quantities of dust generated from material. Never give anything by mouth to an unconscious person. If exposed or concerned: Get medical advice/attention.

Notable Exposure symptoms: N/A

If ingested: Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

If inhaled: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. When symptoms occur: go into open air and ventilate suspected area

Eye contact: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

Skin contact: Remove contaminated clothing. Wash with soap and water. Wash contaminated clothing before reuse.

Additional Info: Protection of first aid personnel

No action shall be taken involving any personal risk or without suitable training. If it is suspected that dust is still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus.

Section 5: Fire Fighting Measures

General Info: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

Extinguishing Method Suitable: Use suitable extinguisher for surrounding fire.
/ Equipment: Not suitable: Do not use water jet when dust is present.

Hazardous combustion products: Combustion products may include the following materials: carbon monoxide, carbon dioxide.

Special protective equipment for fire-fighters Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode

Special Remarks on Hazards Graphite dusts with particles sizes from 4 to 40 µm are able to explode in a wide range of concentrations. The minimum ignition energy is 1kJ for the finest dust. The dusts tested were ranked as St.1 class. Denkevits, A. (2003)

Section 6: Accidental Release Measures

Minimize airborne dust and eliminate all sources of fire/ignition. Do not use air hoses for cleaning. Minimize dry sweeping to avoid generation of dust clouds. Vacuum dust accumulations. Vacuums with explosion proof motor should be used.

Personal precautions, protective equipment and procedures: No action shall be taken involving any personal risk or without suitable training. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid generating dust clouds. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

Environmental precautions: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Containment Equipment and Procedures: Large Spills: Move containers from spill area. Avoid creating dusty conditions or wind dispersal. Vacuum or sweep material into labeled waste containers. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Small Spills: Move containers from spill area. Vacuum or sweep material into labeled waste containers. Dispose of via a licensed waste disposal contractor

Section 7: Handling and Storage

Safe Handling Precautions: Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard. Dust levels must be kept within prescribed limits. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Recommendations for Storage: Store solid block material in a safe manner. Store any dust generated in a closed container.

Incompatibilities: N/A

Protective measures: Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing dust. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame). Non-sparking tools should be used when working with dust

Section 8: Exposure Control / Personal Protection

General / Engineering Controls: It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling dusts generated from this product contain explosion relief vents or an explosion suppression system or an oxygen deficient environment. Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Work Clothing: Put on appropriate personal protective equipment. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing dust. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate.

Eye/face protection: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary. Safety glasses with side shields recommended.

Skin Protection: Wear gloves appropriate for task being performed.

Respiratory Protection: Use NIOSH-approved respiratory protective equipment if exposures exceed established limits.

Additional Information: Hygiene measures: Wash hands, forearms and face thoroughly after handling product, before eating, smoking and using the lavatory and at the end of the working period. Ensure that eyewash stations and safety showers are close to the workstation location.

Environmental exposure controls Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Substances with Exposure Limits	CAS#	Value	Control parameters	Basis
Graphite	7782-42-5	8 hr TWA	15 mg/m ³ total dust 5 mg/m ³ respirable fraction	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
		8 hr TWA TLV	2 mg/m ³ respirable	ACGIH® 2015
Carbon	7440-44-1	8 hr TWA	15 mg/m ³ total dust 5 mg/m ³ respirable fraction	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
		8 hr TWA TLV	2 mg/m ³	ACGIH® 2015

Consult local authorities for acceptable exposure limits.

Recommended monitoring procedures:

This product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.

Section 9: Physical and Chemical Properties

State: solid	Melting Point: Not applicable	Freezing Point: Not avail
Color: Gray to Black	Boiling Point/Range: 3650°C (6602°F) sublimes	pH: Not applicable
Sp Grav: N/A	Odor: None	Water Solubility: Not avail
Evaporation rate: Not avail	Flash Point: Not avail	Part. Coeff (n-octanol/water): Not avail
Upper Flam Limits: N/A	Lower Flam Limits: N/A	Vapor Pressure: Not avail
VOC Content (lbs/gal): N/A	Viscosity: N/A	Autoignition Temp: Not avail

Section 10: Stability and Reactivity

General: The product is stable. Under normal conditions of storage and use, hazardous polymerization will not occur.

Incompatible materials: Reactive or incompatible with the following materials: oxidizing materials

Decomposition products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Conditions to avoid : Minimize airborne dust generation

Section 11: Toxicological Information

General Information: Acute toxicity: There is no data available

Skin Corrosion/Irritation: No data available

Serious Eye Damage/Irritation: No data available

Respiratory or Skin Sensitization: No data available

Germ Cell Mutagenicity: No data available

Teratogenicity: No data available

Carcinogenicity:

Specific Target Organ Toxicity (Repeated Exposure): No data available

Reproductive Toxicity: No data available

Specific Target Organ Toxicity (Single Exposure): No data available

Aspiration Hazard: No data available

Potential Adverse Human Health Effects and Symptoms: No known significant effects or critical hazards.

Symptoms/Injuries After Inhalation: No known significant effects or critical hazards.

Symptoms/Injuries After Skin Contact: No known significant effects or critical hazards.

Symptoms/Injuries After Eye Contact: No known significant effects or critical hazards.

Symptoms/Injuries After Ingestion: No known significant effects or critical hazards.

Chronic Symptoms: No known significant effects or critical hazards

Section 12: Ecological Information

General information: The material is inert and is not expected to pose a threat to the environment.

Aquatic toxicity: No data available

Degradation / Mobility info: No data available

Bioaccumulative potential: No data available

Section 13: Disposal Information

Product disposal: The generation of waste should be avoided or minimized wherever possible. Disposal of this product and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor

Container disposal: Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way.

Other considerations: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14: Transport Information

DOT: not regulated

IMO/IMDG: not regulated

IATA: not regulated

Section 15: Regulatory Information

TSCA: Graphite (CAS 7782-42-5): Listed
Carbon (CAS 7440-44-0):Listed

SARA 311/312: Not Applicable

SARA 313 Not Applicable

California Prop 65 PROPOSITION 65 WARNING: American Beauty tools & accessories are lead-free & RoHS

Substances: Compliant. However, use of this product with lead-bearing solders (or any other chemicals found on the current Proposition 65 List) could expose the user to chemicals known to the State of California to cause cancer and/or birth defects or other reproductive harm.

Massachusetts Right To Know Components: Not Listed

Pennsylvania Right To Know Components: Not Listed

New Jersey Right To Know Components: Not Listed

Section 16: Other Information

Hazardous Material Information System III (U.S.A.)	Health : 0 Flammability: 0 Physical hazards : 0 Chronic :
	Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The customer is responsible for determining the PPE code for this material.
NFPA Rating	Health hazard: 0 Fire Hazard: 0 Reactivity Hazard: 0

SDS Author: ASSEMBLY TECHNOLOGIES INTERNATIONAL **Version Date:** 6/14/16

The information and recommendations contained within this publication have been compiled from sources believed to be reliable and to represent the best information available to ASSEMBLY TECHNOLOGIES INTERNATIONAL at the time of issue. No warranty, guarantee, or representation is made by ASSEMBLY TECHNOLOGIES INTERNATIONAL nor does ASSEMBLY TECHNOLOGIES INTERNATIONAL assume any responsibility in connection there within; nor can it be assumed that all acceptable safety measures or other safety measures may not be required under particular or exceptional conditions or circumstances.

NE = Not Established N/A = Not Applicable