

SECTION 1-CHEMICAL PRODUCT & COMPANY IDENTIFICATION

PRODUCT NAME: Q-GRIP 5100 CONTACT ADHESIVE, NON-CHLORINATED
CAS NUMBER: MIXTURE
Description: NON-CHLORINATED CONTACT ADHESIVE
Manufacturer: QUALITY AEROSOLS
313 Bell Park Drive
Woodstock, Georgia 30188

EMERGENCY TELEPHONE: CHEMTREC 1-800-424-9300 General Assistance: 1-877-320-4747

SECTION 2- COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT(S)	CAS #	%by Weight
n-Propyl Bromide	106-94-5	40-50%
Dimethyl Ether	115-10-6	20-30%
Hydrocarbon Propellant	68476-85-7	10-20%

Refer to Section 8 for exposure limits and recommendations.

SECTION 3- HAZARDS IDENTIFICATION

Emergency Overview: Product is flammable. Pressurized container may explode when exposed to heat or flame. Contact may cause skin and eye irritation. Mist may cause nose and throat irritation. Ingestion may cause nausea, vomiting, pain, upset stomach, and diarrhea.

Potential health effects: Skin Contact: This product may cause irritation to the skin. **Eye Contact:** Liquid or vapors may irritate the eyes. **Ingestion:** Low order of toxicity. May cause mild nausea and abdominal discomfort.

Target Organs: Exposure to high doses may cause central nervous system depression. High doses may also cause adverse effects in the liver, lung, and kidney. **Inhalation:** This product may irritate the nose, throat, and lungs.

See Section 8 for recommended exposure limits.

SECTION 4- FIRST AID MEASURES

Skin: For skin contact, wash immediately with soap and water. If irritation persists, get medical attention. **Eye:** Immediately flush with plenty of water for at least 15 minutes, holding eyelids open at all times. Get medical attention immediately.

Inhalation: Move person to non-contaminated air. If the affected person is not breathing, apply artificial respiration. Call a physician if symptoms develop or persist. **Ingestion:** If the material is swallowed, get immediate medical attention or advice. DO NOT induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Seek immediate medical attention. Do not give anything.

SECTION 5- FIRE FIGHTING MEASURES

Extinguishing Media: Use dry chemical, carbon dioxide, or foam. Use water to cool fire-exposed containers and to protect personnel. Do not direct a solid stream of water or foam into hot, burning pools this may result in frothing and increase fire intensity. **Basic Fire Fighting Procedures:** Dangerous when exposed to heat or flame. This material can be ignited by flame or spark under normal atmospheric condition. Vapors are heavier than air and may travel along the ground to some distant source of ignition and flash back. **Pressurized Container:** May explode when exposed to heat or flame. Empty containers may retain product residue including flammable or explosive vapors. DO NOT cut, drill, grind, or weld near full, partially full, or empty product containers. **Dust Explosion Hazard:** None known. **Sensitivity To Mechanical Impact:** Container could potentially burst or be punctured upon mechanical impact, releasing flammable vapors. **Unusual Fire & Explosion Hazards:** During a fire, irritating and highly toxic gases may be generated during combustion or decomposition. High temperatures can cause sealed containers to rupture due to a build up of internal pressures. Cool with water. **Fire Fighting Equipment/Instructions:** Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask.

Flash Point: concentrate: 72° F **propellant:** -156° F

Flammability limits in air: 4.6 lower % by volume concentrate
1.8 upper % by volume propellant

1.8 lower % by volume propellant

SECTION 6- ACCIDENTAL RELEASE MEASURES

Emergency Action: Evacuate the area promptly and keep upwind of the spilled material. Isolate the spill area to prevent people from entering. Wear appropriate protective equipment and clothing during clean-up. **Containment:** Stop discharge if safe to do so. Stop material from contaminating soil or from entering sewers or water streams. Cover spills with non-flammable absorbent and place in closed chemical waste containers.

SECTION 7- HANDLING & STORAGE

FOR COMMERCIAL USE ONLY-NOT PACKAGED OR LABELED FOR HOME USE!

Handling: Keep this product away from heat, sparks or open flame. Avoid getting this material into contact with your skin and eyes. Avoid breathing mists or aerosols of this product. Use this product with adequate ventilation. Do not reuse the empty container. **Storage:** Store in a cool, dry, well-ventilated area. Do not handle or store near an open flame, heat or other sources of ignition. Keep out of direct sunlight. Do not store above 120° F (49° C). **Empty Container Precautions:** Attention! Follow label warnings even after container is emptied since empty containers may retain product residues. Do not reuse empty container without professional cleaning for food, clothing, or products for human or animal consumption, or where skin contact can occur.

SECTION 8- EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Provide local and general exhaust ventilation to effectively remove and prevent buildup of any vapors or mists generated from the handling of this product. **Eye Protection:** Wear goggles or safety glasses with side shields. **Skin and Body Protection:** Impervious gloves should be used when handling this product. Use of protective coveralls and long sleeves is recommended. **Respiratory Protection:** Use NIOSH approved respiratory protection. High airborne concentrations may necessitate the use of self-contained breathing apparatus (SCBA). **General:** Use good hygiene practices in handling this material.

Exposure Limits:

(PARTS PER MILLION)

Component(s)	TLV	OSHA-PEL	OSHA-STEL	SARA 313	Prop 65	VOC
n-Propyl Bromide	100ppm	100ppm			X	X
Hydrocarbon Propellant	1000ppm					X
Dimethyl Ether	1000ppm					X

Other raw material is considered trade secret.

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SECTION 9- PHYSICAL & CHEMICAL PROPERTIES

Solids: 25-35%	Evaporation Rate: >1 (butyl acetate = 1)
pH: N/A	Boiling Point: 156° F
Specific Gravity: 1.18 + .02	Density: 9.92
Physical State: Liquid	Odor: Characteristic
%VOC: 82.073%	Color: Yellow
VOC (% by weight): 743.68 g/L	

SECTION 10-STABILITY & REACTIVITY

Hazardous polymerization will not occur. **Condition to avoid:** Keep away from sources of ignition. Avoid contact with strong oxidizers, reducers, acids, and alkalis. **Stability:** This product is stable under normal conditions.

SECTION 11-TOXICOLOGICAL INFORMATION

1-bromopropane: Oral LD50: 253000 mg/m3/30 minutes

SECTION 12-ECOLOGICAL INFORMATION

No information available

SECTION 13-DISPOSAL CONSIDERATIONS

We make no guarantee of warranty of any kind that the use of and/or disposal of this product complies with all local, state, or federal laws. It is also the obligation of each user of the product mentioned herein to determine and comply with the requirements of all applicable statutes.

Waste Disposal: Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations. Wastes must be tested using methods described in 40 CFR Part 261 to determine if it meets applicable definitions of hazardous wastes.

SECTION 14-TRANSPORTATION INFORMATION

Cylinder:

DOT

Basic shipping requirements: Spray Adhesive
Proper shipping name: Liquified Gas Flammable, N.O.S.
(Isobutane, Propane, Dimethyl Ether)

UN Number: UN3161

Class: 2.1

SECTION 15- REGULATORY INFORMATION

1-bromopropane: TSCA Inventory
SARA 311/312: Acute Health Hazard
Fire Hazard

Not for sale in California and the OTC states.

SECTION 16-Other Information

H.M.I.S

HEALTH	2
FLAMMABILITY	4
REACTIVITY	0

The information in this MATERIAL SAFETY DATA SHEET is pursuant to 29 CFR 1910.1200 to convey information concerning the hazardous nature of this product. The information supplied was compiled from the most reliable sources available at the time of preparation and in light of the most reasonable foreseeable exposure situations expected from the intended use of this product. The material(s) may present greater or lesser hazard under other circumstances that are beyond the control of the manufacturer. Therefore it is imperative that all direction and warnings on the label be read and understood.