

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

- 1.1 Product Name: Igniters; Articles, explosive, n.o.s.
Synonyms: NPb Igniter; NPb Mini; NPb Igniter Chips
Product Codes: UN0454; UN0349
- 1.2 Manufacturer's Physical Address:

Martinez Specialties, Inc.
205 Bossard Road
Groton, NY 13073 USA

24 HOUR EMERGENCY PHONE: 1-813-248-0585
CHEMTEL CONTRACT #: MIS0005794
- 1.3 Product Use: Ignition source

SECTION 2: HAZARD IDENTIFICATION: GHS-US

- 2.1 CLASSIFICATION (GHS-US):
Explosive 1.4S H204
- 2.2 GHS-US LABEL ELEMENTS:
HAZARD PICTOGRAM- GHS01



SIGNAL WORD: Danger

HAZARD STATEMENTS: H204 – Fire or projection hazard.

PRECAUTIONARY STATEMENTS:

- | | |
|------------|--|
| General: | P101 – If medical advice is needed, have product label available.
P102 – Keep out of reach of children.
P103 – Read label before use. |
| Prevention | P201 – Obtain special instructions before use.
P202 – Do not handle until all safety precautions have been read and understood.
P210 – Keep away from heat / sparks / open flames / hot surfaces.
P220 – Keep away from clothing / combustible materials.
P221 – Take any precautions to avoid mixing with combustibles.
P240 – Ground / bond container and receiving equipment.
P243 – Avoid static electricity.
P250 – Do not subject to grinding / shock / friction.
P261 – Avoid breathing dust / fumes / gas / mist / vapor / spray.
P264 – Wash hands thoroughly after handling.
P270 – Do not eat, drink or smoke when using this product.
P281 – Use personal protective equipment as required. |
| Response: | P301 + P312 – IF SWALLOWED, call a Poison Center/ doctor / physician if you feel unwell.
P308 + P313 – IF exposed or concerned, get medical advice / attention.
P370 + P378 – In case of fire, use water to extinguish.
P371 + P380 + P375 – In case of major fire and large quantities, Evacuate area, Fight fire remotely due to risk of explosion.
P373 – DO NOT fight fire when fire reaches explosives. |
| Storage: | P405 – Store locked up.
P501 – Dispose of waste in accordance with government regulations. |

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 CONTROL PARAMETERS / EXPOSURE LIMITS:

<u>CHEMICAL NAME:</u>	<u>CAS#</u>	<u>OSHA (PEL)</u>	<u>ACGIH (TLV)</u>
BISMUTH TRIOXIDE	1304-76-3	15mg/m3	10mg/m3
BORON	7440-42-8	15mg/m3	10mg/m3
POTASSIUM	7778-74-7	Not Established	Not Established
TITANIUM	7440-32-6	Not Established	Not Established

8.2 EXPOSURE CONTROLS: No special measures are required when handling igniters.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES:

PHYSICAL STATE: Solid.
 APPEARANCE: Brown colored bead of pyrotechnic composition on a copper-clad chip.
 ODOR: N/A
 ODOR THRESHOLD: N/A
 pH: N/A
 RELATIVE EVAPORATION RATE: N/A
 MELTING POINT: N/A
 FREEZING POINT: N/A
 BOILING POINT: N/A
 FLASH POINT: N/A
 AUTO-IGNITION TEMP : >150° C
 DECOMPOSITON TEMP: N/A
 FLAMMABILITY (solid, gas): N/A
 VAPOR PRESSURE: N/A
 RELATIVE VAPOR DENSITY @ 20°C:
 N/A
 RELATIVE DENSITY: N/A
 WATER SOLUBILITY: N/A
 KILNEMATIC VISCOSITY: N/A
 DYNAMIC VISCOSITY: N/A
 EXPLOSIVE PROPERTIES: No data available.
 OXIDIZING PROPERTIES: No data available.
 EXPOLOSIVE LIMITS: No data available.

9.2 OTHER INFORMATION: No additional information available.

SECTION 10: STABILITY AND REACTIVITY

- 10.1 REACTIVITY: No data available.
- 10.2 CHEMICAL STABILITY: The product is stable at normal handling and storage conditions.
- 10.3 POSSIBILITY OF HAZARDOUS REACTIONS: Will not occur.
- 10.4 CONDITIONS TO AVOID: Open flames, sparks, high temperatures, friction or impact and electrostatic discharges.
- 10.5 INCOMPATIBLE MATERIALS: None known.
- 10.6 HAZARDOUS DECOMPOSITION: Decomposition does not occur under normal circumstances during storage, transport and handling.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 INFORMATION ON LIKELY ROUTES OF EXPOSURE:

Primary hazard is from thermal burns caused by accidental ignition of igniters.
 Deliberate inhalation or ingestion of large amounts of crushed igniter head composition may cause respiratory discomfort.
 Not absorbed through skin.

14.3 Shipping Labels Required:



SECTION 15: REGULATORY INFORMATION

In the USA, it is required by the BATFE to be licensed /permitted to purchase, sell or possess electric igniters. Most US states require state, local or Fire Marshal approval/ permits.

SECTION 16: OTHER INFORMATION

All pyrotechnics should be used and handled with extreme caution, in accordance with all relevant regulations and codes only by experienced personnel.

The information contained herein is based on the present state of our knowledge. It serves as a guideline on proper handling of the product.

Prepared By: Anna Young
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END