



POLY DEFENSOR

NON-LETHAL TECHNOLOGY



**PRODUCTS
CATALOG**

2025





Poly Defensor Indústria Química Ltda.

Brazilian Company ID: 11.005.987/0001-53

DUNS #: 900006513

NCAGE code: 034LK

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Founded in 2009, **Poly Defensor** has brought a new concept of non-lethal devices to the market. The heart of the company is the R&D committed to create more effective and reliable solutions and produce new equipment to meet the needs of 21st Century police officers, in line with latest humanitarian guidelines for the use of force, issued by international organisms. **Innovation** is the main feature of **Poly Defensor**, what has made it well known around the world.

For civilians, and especially women, who need legal means to defend themselves against aggressors, **Poly Defensor** also produces the best and more effective non-lethal sprays for self-defense.

With committed and qualified professional staff, **Poly Defensor** aims to become the global reference for quality, technology and excellence in non-lethal devices.



Be promoter of the **Culture of Peace** in society and institutions, improving it with high quality products to ensure public order, the preservation of human life, the protection of innocent people and the physical integrity of law enforcement officials.



To be the quality reference company in police equipment, recognized in the international market by the innovative non-lethal equipments it develops and produces.



- Ethics, Legality and Meritocracy
- Innovation, Research and Sustainable Development
- Focus on the Common Good, on the People and Institutions
- Respect and Professional Commitment
- Transparent Relationship with Customers, Employees and Suppliers
- Continuous Improvement of Manufacturing Processes
- Social and Environmental Responsibility

www.polydefensor.com.br



PSi Pro fits perfectly to NATO goals

NATO's policy defines **NON-LETHAL WEAPONS** as weapons which are explicitly designed and developed to incapacitate or repel personnel, with a low probability of fatality or permanent injury, or to disable equipment with minimal undesired damage or impact on the environment.

Seek **MORE AND BETTER WAYS TO ACT** with dramatically reduced collateral damage, including civilian casualties. **MEANS** to discern, discriminate, and defeat threats in complex operating environments with reduced risks to **NATO** and members nations' forces.

See video
next »





“PSi PRO and BLACK-BELT products are covered by UN/WIPO International Patents.”



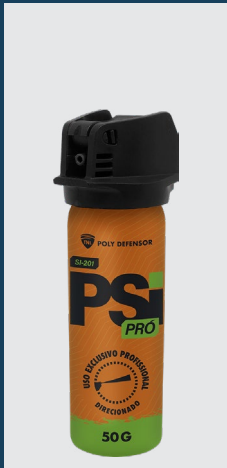
PSi **PSi**
PRO **PRO**

**BLACK
BELT**

INDIVIDUAL *USE*



POLY DEFENSOR
NON-LETHAL TECHNOLOGY



PRODUCT CODE
SI-201

NATO Stock Number (NSN)
6850-19-007-8090

PRODUCT NAME	PSi™ Pro Liquid Stream 1.8oz STANDARD
NSCG GROUP-CLASS	1040 – Chemical Weapons and Equipment
HS CODE	842489
NCM	8424.89.10

PRODUCT ON ORDER
Minimum order of 500 units.

TECHNICAL SPECIFICATIONS

Truly non-lethal spray device for incapacitation by immediate temporary blindness, made with natural vegetal ingredients (blend of mint, camphor, ginger and lemongrass).

PSi WO2019136541 Patented Compound.

With the follow features:

- **NOCROSS-CONTAMINATION** allowing the suspects arrest keeping the officer's supremacy and preserving innocent persons;
- **MULTISITE USE** with no restrictions in every location;
- **SAFE REVERSIBILITY** leaving no injuries to human health;
- **EASY CLEAN-UP** using only fresh and running water;
- **RANGE** of 5.5 yd (5 meters);
- **FULLY COMPLIANCE** with UN A/HRC/26/36 recommendations to Chemical Irritants;
- **EDW Safe**;
- **FLIP-TOP** actuator;
- **DIMENSIONS:** Ø35mm x h=122mm
- **NET WEIGHT:** 1.8oz (50g)
- **GROSS WEIGHT:** 2.9oz (82g)
- **BURSTS:** 10 one second's shots
- **5 year shelf life**



PRODUCT CODE
SI-203

NATO Stock Number (NSN)
6850-19-007-8088

PRODUCT NAME	PSi™ Pro Liquid Stream 2.5oz STANDARD
NSCG GROUP-CLASS	1040 – Chemical Weapons and Equipment
HS CODE	842489
NCM	8424.89.10

TECHNICAL SPECIFICATIONS

Truly non-lethal spray device for incapacitation by immediate temporary blindness, made with natural vegetal ingredients (blend of mint, camphor, ginger and lemongrass).

PSi WO2019136541 Patented Compound.

With the follow features:

- **NO CROSS-CONTAMINATION** allowing the suspects arrest keeping the officer's supremacy and preserving innocent persons;
- **MULTISITE USE** with no restrictions in every location;
- **SAFE REVERSIBILITY** leaving no injuries to human health;
- **EASY CLEAN-UP** using only fresh and running water;
- **RANGE** of 5.5 yd (5 meters);
- **FULLY COMPLIANCE** with UN A/HRC/26/36 recommendations to Chemical Irritants;
- **EDW Safe**;
- **FLIP-TOP** actuator;
- **DIMENSIONS:** Ø35mm x h=165mm
- **NET WEIGHT:** 2.5oz (70g)
- **GROSS WEIGHT:** 3.7oz (106,5g)
- **BURSTS:** 20 one second's shots
- **5 year shelf life**



PRODUCT CODE
NC-303

NATO Stock Number (NSN)
6850-19-007-8005

PRODUCT NAME	PSi™ Pro Mist Cone-Shaped 2.5oz STANDARD
NSCG GROUP-CLASS	1040 – Chemical Weapons and Equipment
HS CODE	842489
NCM	8424.89.10

TECHNICAL SPECIFICATIONS

Truly non-lethal spray device for riot control by respiratory discomfort due intense cough and nausea, made with natural vegetal ingredients (blend of mint, camphor, ginger and lemongrass).

PSi WO2019136541 Patented Compound.

With the follow features:

- **NO RISK OF SUFFOCATION** because it does not cause bronchial constriction or allergic reactions;
- **SAFE REVERSIBILITY** leaving no injuries to human health;
- **NATURAL CLEAN-UP BY EXPECTORATION** due its water solubility;
- **RANGE** of 3.7 yd (3.5 meters);
- **PARTIAL COMPLIANCE** with UN A/HRC/26/36 recommendations to Chemical Irritants (reversibility and do not cause suffering beyond the necessary);
- **EDW Safe;**
- **FLIP-TOP** actuator;
- **DIMENSIONS:** Ø35mm x h=165mm
- **NET WEIGHT:** 2.5oz (70g)
- **GROSS WEIGHT:** 3.7oz (106,5g)
- **BURSTS:** 18 one second's shots
- **5 YEAR SHELF LIFE**



RIOT CONTROL





PRODUCT CODE
SI-208

NATO Stock Number (NSN)
6850-19-007-8087

PRODUCT NAME	PSi™ Pro Liquid Stream 12oz MAXXI STANDARD
NSCG GROUP-CLASS	1040 – Chemical Weapons and Equipment
HS CODE	842489
NCM	8424.89.10

TECHNICAL SPECIFICATIONS

Truly non-lethal spray device for incapacitation by immediate temporary blindness, made with natural vegetal ingredients (blend of mint, camphor, ginger and lemongrass).

PSi WO2019136541 Patented Compound.

With the follow features:

- **NO CROSS-CONTAMINATION** allowing the suspects arrest keeping the officer's supremacy and preserving innocent persons;
- **MULTISITE USE** with no restrictions in every location;
- **SAFE REVERSIBILITY** leaving no injuries to human health;
- **EASY CLEAN-UP** using only fresh and running water;
- **RANGE** of 5.5 yd (5 meters);
- **FULLY COMPLIANCE** with UN A/HRC/26/36 recommendations to Chemical Irritants;
- **EDW Safe**;
- **BUTTSTOCK** actuator;
- **DIMENSIONS:** Ø57mm x h=285mm
- **NET WEIGHT:** 12oz (350g)
- **GROSS WEIGHT:** 19.9oz (565g)
- **BURSTS:** 12 one second's shots
- **5 year shelf life**



PRODUCT CODE
SI-209

NATO Stock Number (NSN)
6850-19-007-8004

PRODUCT NAME	PSi™ Pro Liquid Stream 12oz MAXXI GREEN MARKER
NSCG GROUP-CLASS	1040 – Chemical Weapons and Equipment
HS CODE	842489
NCM	8424.89.10

TECHNICAL SPECIFICATIONS

Truly non-lethal spray device for incapacitation by immediate temporary blindness, made with natural vegetal ingredients (blend of mint, camphor, lemongrass, ginger, food coloring, solvent and propellant).

PSi WO2019136541 Patented Compound.

With the follow features:

- **NO CROSS-CONTAMINATION** allowing the suspects arrest keeping the officer's supremacy and preserving innocent persons;
- **MULTISITE USE** with no restrictions in every location;
- **SAFE REVERSIBILITY** leaving no injuries to human health;
- **EASY CLEAN-UP** using only fresh and running water;
- **RANGE** of 5.5 yd (5 meters);
- **GREEN COLORED** to mark suspects for post capture;
- **FULLY COMPLIANCE** with UN A/HRC/26/36 recommendations to Chemical Irritants;
- **EDW Safe**;
- **BUTTSTOCK** actuator;
- **DIMENSIONS:** Ø57mm x h=285mm
- **NET WEIGHT:** 12oz (350g)
- **GROSS WEIGHT:** 19.9oz (565g)
- **BURSTS:** 12 one second's shots
- **5 year shelf life**



PRODUCT CODE
NC-308

NATO Stock Number (NSN)
6850-19-007-8083

PRODUCT NAME	PSi™ Pro Mist Cone-Shaped 16oz MAXXI
NSCG GROUP-CLASS	1040 – Chemical Weapons and Equipment
HS CODE	842489
NCM	8424.89.10

TECHNICAL SPECIFICATIONS

Truly non-lethal spray device for riot control by respiratory discomfort due intense cough and nausea, made with natural vegetal ingredients (blend of mint, camphor, ginger and lemongrass).

PSi WO2019136541 Patented Compound.

With the follow features:

- **NO RISK OF SUFFOCATION** because it does not cause bronchial constriction or allergic reactions;
- **SAFE REVERSIBILITY** leaving no injuries to human health;
- **NATURAL CLEAN-UP BY EXPECTORATION** due its water solubility;
- **RANGE** of 6.6 yd (6 meters);
- **PARTIAL COMPLIANCE** with UN A/HRC/26/36 recommendations to Chemical Irritants (reversibility and do not cause suffering beyond the necessary);
- **EDW Safe**;
- **BUTTSTOCK** actuator;
- **DIMENSIONS**: Ø57mm x h=285mm
- **NET WEIGHT**: 16oz (450g)
- **GROSS WEIGHT**: 23.4oz (665g)
- **BURSTS**: 15 one second's shots
- **5 year shelf life**



PRODUCT CODE
NC-309

NATO Stock Number (NSN)
6850-19-007-8082

PRODUCT NAME	PSi™ Pro Mist Cone-Shaped 31oz (880g) MEGA
NSCG GROUP-CLASS	1040 – Chemical Weapons and Equipment
HS CODE	842489
NCM	8424.89.10

TECHNICAL SPECIFICATIONS

Truly non-lethal spray device for riot control by respiratory discomfort due intense cough and nausea, made with natural vegetal ingredients (blend of mint, camphor, ginger and lemongrass).

PSi WO2019136541 Patented Compound.

With the follow features:

- **NO RISK OF SUFFOCATION** because it does not cause bronchial constriction or allergic reactions;
- **SAFE REVERSIBILITY** leaving no injuries to human health;
- **NATURAL CLEAN-UP BY EXPECTORATION** due its water solubility;
- **RANGE** of 6.6 yd (6 meters);
- **PARTIAL COMPLIANCE** with UN A/ HRC/26/36 recommendations to Chemical Irritants (reversibility and do not cause suffering beyond the necessary);
- **EDW Safe**;
- **BUTTSTOCK** actuator;
- **DIMENSIONS**: Ø79mm x h=290mm
- **NET WEIGHT**: 31oz (880g)
- **GROSS WEIGHT**: 41oz (1.162g)
- **BURSTS**: 30 one second's shots
- **5 year shelf life**



PRODUCT CODE
BB-601

NATO Stock Number (NSN)
6850-19-007-8006

PRODUCT NAME	BLACK-BELT ACDC™ 7oz Masks Blocker
NSCG GROUP-CLASS	1040 – Chemical Weapons and Equipment
HS CODE	842489
NCM	8424.89.10

TECHNICAL SPECIFICATIONS

Safe non-lethal masks blocker spray device for blocking vision of suspects using facial gas mask or protective glasses. It launches a black glue (ACDC WO2013003918 Patented Compound) on the visor forcing suspects to take off the masks becoming vulnerable to the chemical irritants, retarding the need to use rubber bullets.

With the follow features:

- RANGE of 3.3 yd (3 meters);
- FOREFINGER actuator;
- DIMENSIONS: Ø45mm x h=210mm
- NET WEIGHT: 7oz (200g)
- GROSS WEIGHT: 11.6oz (330g)
- BURSTS: 22 one second's shots
- 3 year shelf life



PRODUCT CODE
BB-602

NATO Stock Number (NSN)
6850-19-007-8077

PRODUCT NAME	BLACK-BELT ACDC™ 16oz Masks Blocker
NSCG GROUP-CLASS	1040 – Chemical Weapons and Equipment
HS CODE	842489
NCM	8424.89.10

TECHNICAL SPECIFICATIONS

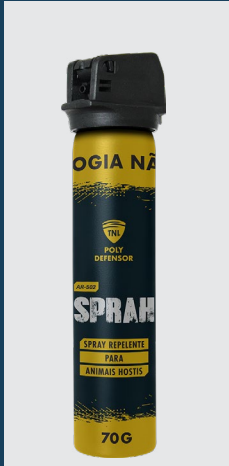
Safe non-lethal masks blocker spray device for blocking vision of suspects using facial gas mask or protective glasses. It launches a black glue (ACDC WO2013003918 Patented Compound) on the visor forcing suspects to take off the masks becoming vulnerable to the chemical irritants, retarding the need to use rubber bullets.

With the follow features:

- RANGE of 4.4 yd (4 meters);
- BUTTSTOCK actuator;
- DIMENSIONS: Ø57mm x h=285mm
- NET WEIGHT: 16oz (450g)
- GROSS WEIGHT: 23.4oz (665g)
- BURSTS: 30 one second's shots
- 3 year shelf life

ANIMALS REPELLENT





PRODUCT CODE
AR-502

NATO Stock Number (NSN)
6850-19-007-8080

PRODUCT NAME	SPRAH™ 2.5oz Hostile Animal Repellent
NSCG GROUP-CLASS	1040 – Chemical Weapons and Equipment
HS CODE	842489
NCM	8424.89.10

TECHNICAL SPECIFICATIONS

Safe non-lethal repellent spray device for stopping hostile animal attacks. Affects just the acute smell sense of dogs, big cats, bears, horses and other sniffer beasts, forcing to stop attack and keeping them away.

With the follow features:

- IMMEDIATE ACTION;
- DOES NOT AFFECT HUMANS;
- SAFE REVERSIBILITY leaving no injuries to animal or human health;
- RANGE of 3.7 yd (3.5 meters);
- FLIP-TOP actuator;
- DIMENSIONS: Ø35mm x h=165mm
- NET WEIGHT: 2.5oz (70g)
- GROSS WEIGHT: 3.7oz (106.5g)
- BURSTS: 15 one second's shots
- 3 year shelf life



PRODUCT CODE
AR-504

NATO Stock Number (NSN)
6850-19-007-8079

PRODUCT NAME	SPRAH™ Hostile Animal Repellent 7oz (200g)
NSCG GROUP-CLASS	1040 – Chemical Weapons and Equipment
HS CODE	842489
NCM	8424.89.10

TECHNICAL SPECIFICATIONS

Safe non-lethal repellent spray device for stopping hostile animal attacks. Affects just the acute smell sense of dogs, big cats, bears, horses and other sniffer beasts, forcing to stop attack and keeping them away.

With the follow features:

- IMMEDIATE ACTION;
- DOES NOT AFFECT HUMANS;
- SAFE REVERSIBILITY leaving no injuries to animal or human health;
- RANGE of 4.9 yd (4.5 meters);
- BUTTSTOCK actuator;
- DIMENSIONS: Ø45mm x h=210mm
- NET WEIGHT: 7oz (200g)
- GROSS WEIGHT: 11.6oz (330g)
- BURSTS: 30 one second's shots
- 3 year shelf life



PRODUCT CODE
AR-505

NATO Stock Number (NSN)
6850-19-007-8078

PRODUCT NAME	SPRAH™ Hostile Animal Repellent 16oz (450g)
NSCG GROUP-CLASS	1040 – Chemical Weapons and Equipment
HS CODE	842489
NCM	8424.89.10

TECHNICAL SPECIFICATIONS

Safe non-lethal repellent spray device for stopping hostile animal attacks. Affects just the acute smell sense of dogs, big cats, bears, horses and other sniffer beasts, forcing to stop attack and keeping them away.

With the follow features:

- IMMEDIATE ACTION;
- DOES NOT AFFECT HUMANS;
- SAFE REVERSIBILITY leaving no injuries to animal or human health;
- RANGE of 6.6 yd (6 meters);
- BUTTSTOCK actuator;
- DIMENSIONS: Ø57mm x h=285mm
- NET WEIGHT: 16oz (450g)
- GROSS WEIGHT: 23.4oz (665g)
- BURSTS: 45 one second's shots
- 3 year shelf life

OPTIONAL

CUSTOM LABELS

40 Micron Heat Shrink PVC
Digital + Hidrofix Gloss + Special Cut



SUBJECT TO MINIMUM QUANTITY

LASER ENGRAVED SERIAL NUMBER

Laser engraving of batch, manufacturing date and serial number on the product actuator.



TRACEABILITY CHIP

Installation of RFID tags configured in the format, frequency and encryption of the control system used by the institution.



CYLINDER HOLSTERS

PC-001

Cylinder Holder MINI Individual

Belt model
with Velcro closure
and 50mm loop

Material: Nylon Fabric
Cylinder Dimensions: 35 x 122mm
Color: Black
NCM: 6217.10.00

AVAILABLE FOR
THE PRODUCT

SI-201



PC-002

Cylinder Holder Individual STANDARD

Belt model
with Velcro closure
and 50mm loop

Material: Nylon Fabric
Cylinder Dimensions: 35 x 165mm
Color: Black
NCM: 6217.10.00

AVAILABLE FOR
THE PRODUCT

SI-203
SI-252
NC-303
AR-502



PC-004

Cylinder Holder MAXXI

Tactical leg style with clasp and height
adjustment with Velcro and strap for leg
with adjustable buckle

Material: Nylon Fabric
Cylinder Dimensions: 57 x 285mm
Color: Black
NCM: 6217.10.00

AVAILABLE FOR
THE PRODUCT

SI-208
SI-209
NC-308
BB-602
AR-505



CYLINDER HOLSTERS

PC-005

Cylinder Holder MEGA

Modelo tático de perna com fecho e ajuste de altura em velcro e cinta para perna com fivela ajustável

Material: Nylon Fabric
Cylinder Dimensions: 79 x 290mm
Color: Black
NCM: 6217.10.00

AVAILABLE FOR
THE PRODUCT

NC-309



PC-006

Cylinder Holder KIT CDC FIRST ANSWER

For operational vehicles with 8 elastic compartments (2 MEGA + 6 MAXXI) with flaps for fastening, with male Velcro at the base and top. Adjustable model for any trunk model.

Material: Nylon Fabric and rigid panels
Color: Black
NCM: 6217.10.00





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