SECTION 1. IDENTIFICATION

1.1 Product Name: Shotshell Ammunition

1.2 Synonyms:

12ga 2-3/4" 1oz 1300fps #7.5	12 Gauge 2-3/4" PICHON PLUS 1-1/4oz 1400fps #7 1/2
12ga 2-3/4" 1oz 1275fps #7.5	12 Gauge 2-3/4" SKEET 7/8oz 1350fps #9
12ga 2-3/4" 1oz 1275fps #8	12 Gauge 2-3/4" SPORTING CLAYS 1oz 1225fps #7 1/2
12ga 2-3/4" 1-1/8oz Light 1150fps #8	12 Gauge 2-3/4" SPORTING CLAYS 1-1/8oz 1225fps #7 1/2
12ga 2-3/4" 1-1/8oz Light 1150fps #7.5	12 Gauge 2-3/4" SPORTING CLAYS 1oz 1225fps #8
12ga 2-3/4" 1-1/8oz HDCP 1250fps #7.5	12 Gauge 2-3/4" SPORTING CLAYS 1-1/8oz 1225fps #8
12ga 2-3/4" 1-1/8oz HDCP 1250fps #8	12 Gauge 2-3/4" SPORTING CLAYS 1oz 1325fps #7 1/2
12ga 2-3/4" 1-1/8oz Heavy 1200fps #7.5	12 Gauge 2-3/4" SPORTING CLAYS 1-1/8oz 1325fps #7 1/2
12ga 2-3/4" 1-1/8oz Heavy 1200fps #8	12 Gauge 2-3/4" SPORTING CLAYS 1-1/8oz 1325fps #8
12ga 2-3/4" 1-1/8oz Heavy 1200fps #9	12 Gauge 2-3/4" SPORTING CLAYS 1oz 1325fps #8
12ga 2-3/4" 00Buck 1275fps	12 Gauge 2-3/4" TRAP 7/8oz 1350fps #7 1/2
12 Gauge 2-3/4" LIGHT 1oz 1200fps #7 1/2	12 Gauge 2-3/4" TRAP 7/8oz 1350fps #8
20ga 2-3/4" 7/8oz 1275fps #7.5	12 Gauge 2-3/4" 1oz 1200fps 0B
20ga 2-3/4" 7/8oz 1275fps #8	12 Gauge 2-3/4" 1-1/8oz 1200fps #2
20ga 2-3/4" 7/8oz 1275fps #9	12 Gauge 2-3/4" 1-1/8oz 1200fps #4
20ga 2-3/4" 1oz 1220 fps #8	12 Gauge 2-3/4" 1-1/8oz 1200fps #6
28ga 2-3/4" 3/4oz 1275fps #8	12 Gauge 2-3/4" 1-1/8oz 1200fps #7 1/2
28ga 2-3/4" 3/4oz 1275fps #7.5	12 Gauge 2-3/4" 1-1/8oz 1200fps #8
28ga 2-3/4" 3/4oz 1275fps #9	12 Gauge 2-3/4" 1-1/8oz 1200fps #9
28ga 2-3/4" 1oz 1200fps #7.5	16 Gauge 2-3/4" 1-1/8oz 1250fps #2
28ga 2-3/4" 1oz 1200fps #6	16 Gauge 2-3/4" 1-1/8oz 1250fps #4
.410 2-1/2" 1/2oz 1275fps #7.5	16 Gauge 2-3/4" 1-1/8oz 1250fps #6
.410 2-1/2" 1/2oz 1275fps #8	16 Gauge 2-3/4" 1-1/8oz 1250fps #7 1/2
.410 2-1/2" 1/2oz 1275fps #9	16 Gauge 2-3/4" 1-1/8oz 1250fps #8
.410 3" 11/16oz 1200fps #7.5	16 Gauge 2-3/4" 1-1/8oz 1250fps 1B
.410 3" 11/16oz 1200fps #6	16 Gauge 2-3/4" 1-1/8oz 1250fps 5F
12 Gauge 2-3/4" LIGHT 1oz 1200fps #8	16 Gauge 2-3/4" 1oz 1200fps #2
12 Gauge 2-3/4" LIGHT 1oz 1200fps #9	16 Gauge 2-3/4" 1oz 1200fps #4
12 Gauge 2-3/4" 1-3/8oz. 1300 fps 00B	16 Gauge 2-3/4" 1oz 1200fps #6
12 Gauge 2-3/4" 1-3/8 oz. 1275 fps 0B	16 Gauge 2-3/4" 1oz 1200fps #7 1/2
12 Gauge 2-3/4" 1-1/4oz 1330fps #2	16 Gauge 2-3/4" 1oz 1200fps #8
12 Gauge 2-3/4" 1-1/4oz 1330fps #4	16 Gauge 2-3/4" 1oz 1200fps 1B
12 Gauge 2-3/4" 1-1/4oz 1330fps #6	16 Gauge 2-3/4" 1oz 1200fps 2B-4F
20 ga Minishell	

12 Gauge 2-3/4" 1-1/4oz 1330fps #7 1/2	20 Gauge 2-3/4" 1oz 1220fps #2
12 Gauge 2-3/4" 1-1/4oz 1330fps #8	20 Gauge 2-3/4" 1oz 1220fps #4
12 Gauge 2-3/4" 1-1/4oz 1330fps #9	20 Gauge 2-3/4" 1oz 1220fps #6
12 Gauge 2-3/4" 1-1/4oz 1330fps BB	20 Gauge 2-3/4" 1oz 1220fps #7 1/2
12 Gauge 2-3/4" 1-1/4oz 1375 fps #7 1/2	20 Gauge 2-3/4" 1oz 1220 fps 2B
12 Gauge 2-3/4" 1-1/4oz1375 fps #8	20 Gauge 2-3/4" 3/4oz. 1220 fps 3B-5F
12 Gauge Minishell 1-3/4" 5/8oz1175 fps #7 1/2	20 Gauge 2-3/4" 7/8oz 1150 fps #4
12 Gauge Minishell 1-3/4" 5/8oz 1200 fps 4B(1B)	20 Gauge 2-3/4" 7/8oz 1150 fps #6
12 Gauge Minishell 1-3/4" 5/8oz1250 fps SLUG	20 Gauge 2-3/4" 7/8oz 1150 fps #7 1/2
12 Gauge 2-3/4" PICHON PLUS 1-1/4oz 1400fps #8	20 Gauge 2-3/4" 7/8oz 1150fps 3B-4F
12 Gauge 2-3/4" PICHON PLUS 1-1/4oz 1400fps #9	410 Gauge 2-1/2" 1/2oz 1110fps #4
410 Gauge 2-1/2" 1/2oz 1110fps #7 1/2	410 Gauge 2-1/2" 1/2oz 1110fps #6
410 3" 11/16 oz 1100fps # 7 1/2	410 Gauge 2-1/2" 1/2oz 1110fps 00B

1.3 Intended Use of the Product: Shotshell ammunition

1.4 Name, Address & Telephone of The Company:

Industrias Tecnos S.A. de C.V.
Km. 6 Carretera Fed. Cuernavaca-Tepoztlán,
Col. Ahuatepec, Cuernavaca, Morelos, Méx.
CP 62300
www.aguilaammo.com

1.5 Emergency Telephone Number: (52) 777 3292600

SECTION 2. HAZARDS IDENTIFICATION

2.1 Explosive Division.

Explosive 1.4S
Specific Target Organ toxicity Category 1
Toxic to reproduction Category 1A or 1B
Hazardous to the aquatic environment chronic category 2

2.2 Hazard Pictograms, Hazard Statements and Precautionary Statements.

Hazard Pictograms	
Signal Word	DANGER
Hazard Statements	**H204** – Fire or projection hazard **H372**: Causes damage to nervous system, kidney, and hematopoietic system through prolonged or repeated exposure **H360**: May damage fertility or the unborn child **H411**: Toxic to aquatic life with long lasting effects
Precautionary Statements	**P102**: Keep out of reach of children **P210**: Keep away from heat/sparks/open flame/hot surfaces **P250**: Do not subject to shock/friction **P260**: Do not breathe fumes **P264**: Wash hands thoroughly after handling **P270**: Do not eat, drink or smoke when using this product **P271**: Use only outdoors or in a well-ventilated area **P273**: Avoid release to the environment **P280**: Wear protective clothing/eye protection/hearing protection **P374**: Fight fire with normal precautions from a reasonable distance **P410**: Store in accordance with local regulations
Response precautionary statements	**P370+P380**: In case of fire: Evacuate area
Storage precautionary statements	**P401** – Store in the original container.
Dispose precautionary statements	**P501**: Dispose of contents in accordance with local regulations

2.3 Health Hazards or Risks From Exposure

This product is composed of a plastic tube and finished metal alloy cartridge which contains the various components completely sealed within. Therefore, under normal handling of this product, no exposure to any harmful materials will occur. When the ammunition is fired, a small amount of particles may be generated which may be slightly irritating to the eyes and the respiratory tract.

Lead and barium are toxic metals that may be released during the firing of primers. Care should be taken in the cleaning of range facilities to minimize the exposure potential to lead and barium. Persons engaged in these activities should wear protective clothing with an appropriate respirator. Severe lead intoxication has been associated in the past with sterility, abortion, and stillbirth. Exposure to lead can aggravate pre-existing anemia, cardiovascular and respiratory diseases and conditions related to the gastrointestinal, reproductive, renal (kidney), and central nervous systems

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 The percent by weight of the hazardous ingredients in Shotshell Ammunition Proof are listed in the table below.

1. Projectile (Load)

Lead Shot ..... Lead, Antimony, Arsenic

2. Plastic Shotshell Case..... Polyethylene (No hazardous chemicals contained in plastic Shotshell case.)

3. Shotshell Cap..... Copper, Zinc, Nickel, Iron

4. Wad ..... Polyethylene (No hazardous chemicals contained in wad.)

5. Propellant..... Nitrocellulose, Nitroglycerin, Graphite

6. Primer ..... Copper, Zinc, Antimony, Barium, Lead Styphnate, Tetrazene

HAZARDOUS INGREDIENTS	PERCENT BY WEIGHT	CAS NUMBER
COPPER	13 – 17 %	7440-50-8
ZINC	5 – 7 %	7440 –66-6
LEAD	70 – 78 %	7439 – 92 -1
ANTIMONY	2 A 5 %	7440-36-0
ARSENIC	LESS THAN 0.2 – 1.0 %	7440-38-2
IRON	3 – 12 %	1309-37-1
BARIUM	LESS THAN 0.5%	7440-39-3
LEAD STYPHNATE	LESS THAN 0.2%	15245-44-0
NICKEL	LESS THAN 1 %	7440-02-0
NITROCELLULOSE	LESS THAN 1 %	9004-70-0
NITROGLYCERIN	0.3 –1.3 %	55-63-0
GRAPHITE	LESS THAN 1 %	7782-42-5
TETRAZENE	0.01 – 0.03 %	109-27-3

SECTION 4. FIRST AID MEASURES

4.1 Description of First Aid Measures

4.1.1 General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

4.1.2 Eye Contact: Immediately flush out fume or particles with large amounts of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. If eye irritation develops, call a physician at once.

4.1.3 Skin Contact: Wash with plenty of soap and water. If skin irritation or rash occurs: Seek medical advice.

4.1.4 Inhalation: If symptoms of lung irritation occur (coughing, wheezing or breathing difficulty), remove from exposure area to fresh air immediately. If breathing has stopped, perform artificial respiration. Keep affected person warm and at rest. Get medical attention.

4.1.5 Ingestion: If ingested, immediately call a physician.

4.2 Most Important Symptoms and Effects both Acute and Delayed

4.2.1 General: Projectiles from fired ammunition can cause puncture wounds.

4.2.2 Eye Contact: None expected under normal conditions of use.

4.2.3 Skin Contact: May cause an allergic skin reaction.

4.2.4 Inhalation: Not expected to be a primary route of exposure.

4.2.5 Ingestion: Ingestion is likely to be harmful or have adverse effects.

This product is not classified by OSHA as a carcinogen.

SECTION 5. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media.

Flood area with water. If no water is available, carbon dioxide, dry chemical or earth may be used.

Suitable Extinguishing Media: Water, carbon dioxide, dry chemical, earth.

Unsuitable Extinguishing Media: Do not use a heavy water stream. Use of heavy stream of water may spread fire.

5.2 Special Hazards Arising From the Substance or Mixture.

Fire Hazard: Not considered flammable but may burn at high temperatures it may ignite if heated above 130°C.

Explosion Hazard: The effects are largely confined to the package and no projection of fragments of appreciable size or range is to be expected.

Reactivity: Hazardous reactions are unlikely to occur under normal circumstances.

5.3 Advice for firefighters.

Precautionary Measures Fire: Do not breathe fumes from fires or vapors from decomposition. Exercise caution when fighting any chemical fire. If product is unconfined, there is a greater risk for injury from projectiles.

Firefighting Instructions: In case of fire: Evacuate area. Flood fire with water to fight fire and cool shells. If no water is available, use carbon dioxide, dry chemical or earth.

Fight fire with normal precautions from a reasonable distance.

Hazardous Combustion Products: Oxides of Barium, Lead, Antimony, Aluminum, Magnesium, Nitrogen, Carbon, and Sulfur.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures
Personal Precautions: Do not walk through spilled material. Do not strike or crush the rounds.
Emergency Procedures: Eliminate all ignition sources. Evacuate unnecessary personnel.

6.2 Environmental Precautions: Avoid release to the environment.

6.3 Methods and Material for Containment and Cleaning Up
For Containment: Contain and collect as any solid. Use only non-sparking tools.
Methods for Cleaning Up: Clear up spills immediately and dispose of waste safely.

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Handling: Handle with care. Do not strike or crush the rounds. Avoid breathing dust or fume. Use personal protective equipment as required. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco.

7.2 Conditions for safe storage

Storage: Keep only in the original container. Store in a cool, dry, well-ventilated place. Keep away from sources of ignition – No Smoking. Do not subject to mechanical shock.
Keep out of reach of children. This product must not be stored with acids, strong oxidizers or caustics.

7.3 Specific end use(s)

Refer to Section 1.3 Intended Use of the Product.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters.

HAZARDOUS INGREDIENTS	PERCENT BY WEIGHT	CAS NUMBER	EXPOSURE LIMITS
LEAD	70 - 78 %	7439-92-1	TWA 0.5 mg/m3
COPPER	13 - 17 %	7440-50-8	Not Established
ZINC	5 - 7 %	7440-66-6	TWA(HUMO) 0.1 mg/m3
ANTIMONY	1 – 5 %	7440-36-0	TWA 0.5 mg/m3
BARIUM	Less than 0.5 %	7440-39-3	TWA 0.5 mg/m3
ARSENIC	Less than 0.2 - 1 %	7440-38-2	TWA 0.5 mg/m3
NICKEL	Less than 1 %	7440-02-0	1 mg/m3 TWA
NITROCELLULOSE	Less than 1 %	9004-70-0	Not Established
NITROGLYCERIN	0.3 – 1.3 %	55-63-0	Not Established
GRAPHITE	Less than 1 %	7782-42-5	15 mg/m3 TWA (synthetic, total dust); 5 mg/m3 TWA (synthetic, respirable fraction)
LEAD STYPHNATE	Less than 0.2 %	15245-44-0	Not Established
TETRAZENE	0.01 – 0.03 %	109-27-3	Not Established

8.2 Exposure Controls

Engineering Measures/Controls: Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits.

Personal Protective Equipment

Respiratory: Use an approved respirator or self-contained breathing apparatus whenever exposure may exceed established Occupational Exposure Limits.

Eye/Face: Wear safety glasses.

Skin/Body: Wear protective clothing.

Environmental Exposure Controls: Do not allow the product to be released into the environment.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	:	Solid
Appearance	:	Brass case with lead, copper plated lead, or lead shot
Odor	:	Not available
Odor Threshold	:	Not available
pH	:	Not available
Relative Evaporation Rate (butylacetate=1)	:	Not available
Melting Point	:	Not available
Freezing Point	:	Not available
Boiling Point	:	Not available
Flash Point	:	Not available
Auto-ignition Temperature	:	Not available
Decomposition Temperature	:	Not available
Flammability (solid, gas)	:	Not available
Lower Flammable Limit	:	Not available
Upper Flammable Limit	:	Not available
Vapor Pressure	:	Not available
Relative Vapor Density at 20 °C	:	Not available
Relative Density	:	Not available
Specific Gravity	:	3.1 – 8.0 g/cm3
Solubility	:	Not available
Partition coefficient: n-octanol/water	:	Not available
Viscosity	:	Not available
Explosive properties	:	Explosive; fire or projection hazard
Explosion Data – Sensitivity to Mechanical Impact	:	Sensitive to mechanical impact
Explosion Data – Sensitivity to Static Discharge	:	Insensitive

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity: No dangerous reaction known under conditions of normal use.
10.2 Chemical Stability: Stable under normal temperatures and pressures.
10.3 Possibility of hazardous reaction: Hazardous polymerization will not occur.

10.4 Conditions to avoid: Direct sunlight. Extremely high or low temperatures, flames, sparks, percussion, shock, static.
10.5 Incompatible materials: Acids, strong oxidizers, strong bases.
10.6 Hazardous decomposition products: Metal oxides.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects.

Lead (7439-92-1)	
National Toxicity Program (NTP) Status	**Reasonably anticipated to be Human Carcinogen.**
Nitroglycerin (55-63-0)	
LD50 Oral Rat	**105 mg/kg**
LD50 Dermal Rabbit	**> 280 mg/kg**
Graphite (7782-42-5)	
LD50 Oral Rat	**> 2000 mg/kg**

Skin Corrosion/Irritation: Not classified
Serious Eye Damage/Irritation: Not classified
Respiratory or Skin Sensitization: May cause an allergic skin reaction.
Germ Cell Mutagenicity: Not classified
Teratogenicity: Not classified
Carcinogenicity: Reasonably anticipated to be human carcinogen.
Specific Target Organ Toxicity (Repeated Exposure): Not classified
Reproductive Toxicity: Not classified
Specific Target Organ Toxicity (Single Exposure): Not classified
Aspiration Hazard: Not classified
Symptoms/Injuries after Inhalation: Not expected to be a primary route of exposure.
Symptoms/Injuries After Skin Contact: May cause an allergic skin reaction.
Symptoms/Injuries after Eye Contact: None expected under normal conditions of use.
Symptoms/Injuries after Ingestion: Ingestion is likely to be harmful or have adverse effects.
Chronic Symptoms: None expected under normal conditions of use.

SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity: Not classified

Copper (7440-50-8)	
LC50 Fish 1	≤ 0.0068 (0.0068 - 0.0156) mg/l (Exposure time: 96 h - Species: Pimephales promelas)
EC50 Other Aquatic Organisms 1	0.043 - 0.054 mg/l (Exposure time: 72 h - Species: Pseudokirchneriella subcapitata [static])
Zinc (7440-66-6)	
LC50 Fish 1	2.16 - 3.05 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
LC 50 Fish 2	0.211 - 0.269 mg/l (Exposure time: 96 h - Species: Pimephales promelas [semi-static])
Nitroglycerin (55-63-0)	
LC50 Fish 1	0.87 - 3.25 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [flow-through])
LC 50 Fish 2	0.87 - 2.21 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])

12.2 Persistence and degradability

Shotshell Ammunition	
Persistence and degradability	Not established.
Copper (7440-50-8)	
Persistence and degradability	Not readily biodegradable.

12.3 Bio accumulative potential: Not established
12.4 Mobility in Soil: Not Available
12.5 Other adverse effects: Avoid release to the environment.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Waste Disposal Recommendations

Care must be taken to prevent environmental contamination from the use of this material.

Product waste: Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Packaging waste: Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

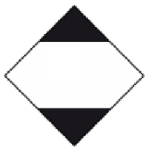
SECTION 14. TRANSPORT INFORMATION

14.1 In Accordance with DOT.

Proper Shipping Name		CARTRIDGES, SMALL ARMS
Hazard Class	:	1.4S
Identification Number	:	UN0012
Label Codes	:	1.4S
Packing Group	:	II
ERG Number	:	114

14.1.1 Domestic Ground packaged per 49CFR173.63

Proper Shipping Name	:	None
Hazard Class	:	Limited Quantity
Identification Number	:	None
Label Codes	:	None
Packing Group	:	None



14.2 In Accordance with IMDG

Proper Shipping Name	:	CARTRIDGES, SMALL ARMS
Hazard Class	:	1.4S
Identification Number	:	UN0012
Label Codes	:	1.4S
EmS-No. (Fire)	:	F-B
EmS-No. (Spillage)	:	S-X

14.3 In Accordance with IATA

Proper Shipping Name	:	CARTRIDGES, SMALL ARMS
Identification Number	:	UN0012
Hazard Class	:	1
Label Codes	:	1.4S
ERG Code (IATA)	:	3L

14.4 In Accordance with TDG

Proper Shipping Name	:	CARTRIDGES, SMALL ARMS
Packing Group	:	II
Hazard Class	:	1.4S
Identification Number	:	UN0012
Label Codes	:	1.4S

SECTION 15. REGULATORY INFORMATION

This documents Safety Data Sheet has been prepared in accordance with:

- ST / SG / AC.10 / 1 / Rev. 18 - Recommendations on the Transport of Dangerous Goods - Model Regulations
- IATA - "International Air Transport Association" - global standards for airline safety, security, efficiency and sustainability- 55ª Edition - 2014
- OMI - "International Maritime Organization". Specialized agency responsible for improving maritime safety and preventing pollution from ships. - Edition 2012
- OACI - "International Civil Aviation Organization, ICAO" - Doc 9284-NA / 905
- FISPQ (Ficha de informações de segurança de produtos químicos) - NBR 14725 - August 2012 - Brazilian Association of Technical Standards.
- ADR - "The European Agreement concerning the International Carriage of Dangerous Goods by Road " - Edition 2013

This SDS is applicable only to the products identified herein

SECTION 16. OTHER INFORMATION

16.1 Revision Date: 24/01/2017
16.2 Relevant Phrases (code & full text)

H201 - Explosive; mass explosion hazard.
H300 - Fatal if swallowed.
H302 - Harmful if swallowed.
H310 - Fatal in contact with skin.
H330 - Fatal if inhaled.
H373 - May cause damage to organs through prolonged or repeated exposure.
H400 - Very toxic to aquatic life.
H410 - Very toxic to aquatic life with long lasting effects.
H411 - Toxic to aquatic life with long lasting effects.

16.3 Disclaimer/Statement of Liability

The information contained in this Safety Data Sheet is provided to all individuals who are or will be exposed to this product through use, handling, storage or transport.

16.4 Party responsible of the preparation of this Document

Industrias Tecnos S.A. de C.V.
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This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.