SECTION 1. IDENTIFICATION

1.1 Product Name: Centerfire Ammunition.

1.2 Synonyms: Pistol ammunition, Revolver ammunition, Rifle ammunition.

9mm Luger Full Metal Jacket 115 Gr.	.38 Super Auto +P Full Metal Jacket.
9mm Luger Full Metal Jacket 124 Gr.	.38 Super Auto Semi Jacketed Solid Point.
5.56x45mm Full Metal Jacket Boat Tail.	.38 Super Auto Semi Jacketed Nickel.
.38 Special Full Metal Jacket.	.40 S&W Full Metal Jacket.
.45 Auto Full Metal Jacket.	.38 Special Round Nose Lead Bullet.
.30 Carbine Full Metal Jacket.	.380 Auto Full Metal Jacket.
7.62x51mm Full Metal Jacket Boat Tail.	.32 S&W Long Soft Point.
9mm Luger 115 Gr. +P Full Metal Jacket.	.40 S&W Hollow Point.
9mm Luger 147 Gr. Full Metal Jacket Flat Point.	.357 Magnum Semi-Jacketed Hollow Point.
.45 ACP +P Full Metal Jacket.	.38 Special Semi-Jacketed Hollow Point.
.40 S&W +P Full Metal Jacket.	.45 Auto Jacketed Hollow Point.
.357 Magnum Semi-Jacketed Soft Point.	9mm Luger Hollow Point 117 Gr.
.40 S&W Round Nose.	.380 Auto Hollow Point.
.32 Auto Full Metal Jacket 71 Gr.	.45 Long Colt Cowboy FP 200 Gr.
.25 Auto Full Metal Jacket.	.300 AAC Blackout 150 Gr FMJ.
.223 REM Full Metal Jacket.	.308 Win 150 Gr FMJ BT.
10mm Auto FMJ 180 Gr.	6.5 Creedmoor FMJ 140 Gr.
9mm Luger 124 Gr Jacketed Hollow Point.	10mm Auto 180 Gr Jacketed Hollow Point.
38 spl 125 Gr Jacketed Hollow Point.	.357 Mag. 125 Gr Jacketed Hollow Point.
45 Auto 230 Gr Jacketed Hollow Point.	.45 Colt Rata (Shotshell projectile)
38 spl Rata (Shotshell projectile)	.357 Mag Rata (Shotshell projectile)

1.3 Intended Use of the Product: Centerfire Rifle and pistol 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 Words	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.

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

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	30 - 60 %	7439-92-1	TWA 0.5 mg/m3
COPPER	25 - 55 %	7440-50-8	Not Established
ZINC	2 - 20 %	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

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

12.3 Bioaccumulative potential: Not established

12.4 Mobility in Soil: Not Available

SECTION 13. DISPOSAL CONSIDERATIONS

12.5 Other adverse effects: Avoid release to the environment.

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.

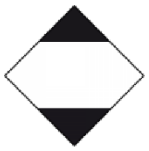
SECTION 14. TRANSPORT INFORMATION

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 responsable of the preparation of this Document

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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.