



# AMMO SAFETY DATA SHEET (MSDS)

According to Regulation (EC) No. 1907/2006

## AMMO RAIL CENTER ENAMEL PAINTS

English

Revision date / valid from: 05/02/2018

Version: 2

### 1. Identification of the substance/mixture and of the company/undertaking

Trade Name	RAIL CENTER ENAMEL PAINTS AMMO.R-2000 – AMMO.R-2207
Use of the substance/Mixture	Enamel paint
Company	AMMO of Mig Jimenez, S.L.
Address	C/ Mauriain 3. 31132 Villatuerta, Navarra (Spain)
Telephone	+34 948 552 882
Email	<a href="mailto:info@ammo.es">info@ammo.es</a>
Website	<a href="https://www.ammo.es">https://www.ammo.es</a>
Emergency telephone number	+34 902 104 104. Emergency for intoxications and transport accidents. Service available 24h.

### 2. Hazards identification

#### 2.1 Classification of the substance or mixture

Directive 67/548/EEC or 1999/45/EC

Hazard symbol / Category of danger Risk phrases

Harmful (Xn) R65, R66

Classification according to Regulation (EC) No 1272/2008:

Hazard class	Hazard category	Target Organs	Hazard statements
Aspiration hazard	Category 1	---	H304

#### Most important adverse effects

Human Health: See section 11 for toxicological information.

Physical and chemical hazards: See section 9 for physicochemical information.

Potential environmental effects: See section 12 for environmental information.

#### 2.2 Label Elements

Labelling according to Regulation (EC) No 1272/2008

HAZARD SYMBOL





# AMMO SAFETY DATA SHEET (MSDS)

According to Regulation (EC) No. 1907/2006

## AMMO RAIL CENTER ENAMEL PAINTS

English

Revision date / valid from: 05/02/2018

Version: 2

**Signal word: Danger**

Hazard statements: H304 May be fatal if swallowed and enters airways.

Precautionary statements

Prevention:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response: P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.

P331 Do NOT induce vomiting.

P370 + P378 In case of fire: Use water spray, alcohol resistant foam, dry chemical or carbon dioxide to extinguish.

Storage: P403 + P235 Store in a well-ventilated place. Keep cool.

P405 Store locked up.

Disposal: P501 Dispose of contents/ container in accordance with the local regulations.

### Additional Labelling:

EUH066 Repeated exposure may cause skin dryness or cracking.

### Hazardous components, which must be listed on the label:

- Hydrocarbons, C11-C13, isoalkanes, <2% aromatics

## 2.3 Other Hazards

For Results of PBT and vPvB assessment see section 12.5..

## 3. Composition/information on ingredients

### 3.1 Mixture

Chemical Nature: Mixture of Hydrocarbons with oil and pigments.

50-80% Hydrocarbons, C11-C13, isoalkanes, <2% aromatics

5-25% Linolenic Acid.

N° EINECS: 232-278-6 N° CAS: 8001-26-1

5-25% Iron oxide C.I. Pigment Brown 7. 77491 (raw Nature)

N° CAS: 1309-37-1



# AMMO SAFETY DATA SHEET (MSDS)

According to Regulation (EC) No. 1907/2006

## AMMO RAIL CENTER ENAMEL PAINTS

English

Revision date / valid from: 05/02/2018

Version: 2

Hazardous components	Amount (%)	Classification (REGULATION (EC) No 1272/2008)	Classification (67/548/CEE)
Hydrocarbons, C11-C13, isoalkanes, <2% aromatics			
No.CE: 920-901-0	50-80%	Asp. Tox.1 H304	Harmful; Xn; R65 R66
No Registration: 01-2119456810- 40-xxx			

For the full text of the R-phrases mentioned in this section, see Section 16.  
For the full text of the H-Statements mentioned in this Section, see Section 16.

### 4. First aid measures

#### 4.1 Description of first aid measures

General advice: Remove to fresh air. Take off all contaminated clothing immediately.

If inhaled: Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. Call a physician immediately.

In case of skin contact: Wash off immediately with soap and plenty of water. If skin irritation persists, call a physician.

In case of eye contact: Rinse thoroughly with plenty of water, also under the eyelids. If eye irritation persists, consult a specialist.

If swallowed: Clean mouth with water and drink afterwards plenty of water. If swallowed, do not induce vomiting - seek medical advice. In case of ingestion, the stomach should be emptied by gastric lavage under qualified medical supervision.

#### 4.2 Most important symptoms and effects, both acute and delayed

Symptoms: See Section 11 for more detailed information on health effects and symptoms.

Effects: See Section 11 for more detailed information on health effects and symptoms.

#### 4.3. Indication of any immediate medical attention and special treatment needed

Treatment: Treat symptomatically. No further information available.

### 5. Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media: High volume water jet.



# AMMO SAFETY DATA SHEET (MSDS)

According to Regulation (EC) No. 1907/2006

## AMMO RAIL CENTER ENAMEL PAINTS

English

Revision date / valid from: 05/02/2018

Version: 2

### 5.2. Special hazards arising from the substance or mixture

Specific hazards during firefighting: The product is insoluble and floats on water. Vapours are heavier than air and spread along the ground, Vapour/air mixtures are explosive at intense warming.

### 5.3. Advice for fire fighters

Special protective equipment for firefighters: In the event of fire, wear self-contained breathing apparatus. Wear appropriate body protection (full protective suit)

Further advice: Cool closed containers exposed to fire with water spray. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

## 6. Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Use personal protective equipment. Keep people away from and upwind of spill/leak. Avoid contact with skin and eyes.

### 6.2. Environmental precautions

Environmental precautions: Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities. Avoid subsoil penetration. Local authorities should be advised if significant spillages cannot be contained.

### 6.3. Methods and material for containment and cleaning up

Methods and materials for containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, and universal binders). This material and its container must be disposed of as hazardous waste. Ensure adequate ventilation.

### 6.4. Reference to other sections

For personal protection see section 8.

## 7. Handling and storage

### 7.1. Precautions for safe handling

Advice on safe handling: Keep container tightly closed. Handle and open container with care. Ensure adequate ventilation, especially in confined areas. In case of insufficient ventilation, wear suitable respiratory equipment.

Hygiene measures: Avoid contact with skin, eyes and clothing. Wash hands before breaks and at the end of workday. Keep away from food, drink and animal feeding stuffs.

### 7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers: Suitable materials for containers: Stainless steel; polyethylene; Unsuitable materials for containers: natural rubber; butyl-rubber

Advice on protection against fire and explosion: Keep away from sources of ignition - No smoking. Take measures to prevent the build-up of electrostatic charge. Use explosion-proof equipment.

Further information on storage conditions: Keep tightly closed in a dry and cool place. Keep away from direct sunlight. Advice on common storage: Incompatible with oxidizing agents.



# AMMO SAFETY DATA SHEET (MSDS)

According to Regulation (EC) No. 1907/2006

## AMMO RAIL CENTER ENAMEL PAINTS

English

Revision date / valid from: 05/02/2018

Version: 2

### 8. Exposure controls/personal protection

#### 8.1. Control parameters

#### 8.2. Exposure controls

##### Appropriate engineering controls

Refer to protective measures listed in sections 7 and 8.

##### Personal protective equipment

Respiratory protection Advice: In case of insufficient ventilation, wear suitable respiratory equipment.

Recommended Filter type: A

Hand protection Advice: Solvent-resistant gloves Protective gloves should be replaced at first signs of wear. Material: Nitrile rubber

Eye protection Advice: Tightly fitting safety goggles

Skin and body protection Advice: Long sleeved clothing

##### Environmental exposure controls

General advice: Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities.

Avoid subsoil penetration. Local authorities should be advised if significant spillages cannot be contained.

### 9. Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Hydrocarbons dades:

Form: liquid.
Odour: weak
Odour threshold: No data available.
pH: no data available
Melting point/range: no data available
Boiling point/boiling range: 170 - 250 °C
Flash point: > 61 °C (Method: ASTM D 93)
Evaporation rate: 0,03
Flammability (solid, gas): no data available
Upper explosion limit: 7,0 % (V)
Lower explosion limit: 0,6 %(V)
Vapour pressure: 0,4 hPa (20 °C)
Relative density: 0,731 - 0,851 (15 °C)
Relative vapour density (air): not data available.
Density: (15° C)
Water solubility: < (20 ° C) practically insoluble
Partition coefficient: n-octanol/water : no data available
Auto-ignition temperature: > 200 °C
Viscosity, kinematic: 2,5 mm <sup>2</sup> /s (20 °C)



# AMMO SAFETY DATA SHEET (MSDS)

According to Regulation (EC) No. 1907/2006

## AMMO RAIL CENTER ENAMEL PAINTS

English

Revision date / valid from: 05/02/2018

Version: 2

Explosion: Product is not explosive

Oxidizing properties no data available

### 9.2. Other information

No further information available.

### 10. Stability and reactivity

#### 10.1. Reactivity

Advice: No information available.

#### 10.2. Chemical stability

Advice: No decomposition if stored and applied as directed.

No further information available.

#### 10.3. Possibility of hazardous reactions

Hazardous reactions: No information available.

#### 10.4. Conditions to avoid

Conditions to avoid: Keep away from direct sunlight. Heat, flames and sparks. Direct sources of heat.

Thermal decomposition: no data available.

#### 10.5. Incompatible materials

Materials to avoid: Incompatible with oxidizing agents.

#### 10.6. Hazardous decomposition products

Hazardous decomposition products: Carbon oxides

### 11. Toxicological information

#### 11.1. Information on toxicological effects

##### Data for the product

Acute toxicity			
Type			Result
Oral	LD50	Rat	>5000 (mg/kg)
Dermal	LD50	Rabbit	>5000 (mg/kg)

#### Irritation

##### Skin

Result: Degreases the skin.

Prolonged skin contact may cause skin irritation and/or dermatitis.



# AMMO SAFETY DATA SHEET (MSDS)

According to Regulation (EC) No. 1907/2006

## AMMO RAIL CENTER ENAMEL PAINTS

English

Revision date / valid from: 05/02/2018

Version: 2

### Eyes

Result: Causes discomfort in the eyes but does not harm eye-tissue.

### Sensitisation

Result: Did not cause sensitisation on laboratory animals.

### Further information

Other relevant toxicity information:

Inhalation of vapours may cause irritation of the respiratory system in very susceptible persons. May cause headache and dizziness.

## 12. Ecological information

### 12.1. Toxicity

Acute toxicity			
Fish	LLO	Oncorhynchus mykiss	1000 mg/l
daphnia and other aquatic invertebrates	NOELR	Daphnia magna	1 mg/l
algae	NOELR	Pseudokirchneriella subcapitata (alga verde)	1000 mg/l

### 12.2 Persistence and degradability

#### Persistence and degradability

##### Persistence

Result: The product evaporates easily from water surface. Fast elimination in air.

##### Biodegradability

Result: estimated inherently biodegradable

##### Additional ecological information

Result: Due to the poor solubility of the product in water, an acute danger for aquatic organisms is very unlikely. Do not flush into surface water or sanitary sewer system. Long-term adverse effects to aquatic organisms are not expected.



# AMMO SAFETY DATA SHEET (MSDS)

According to Regulation (EC) No. 1907/2006

## AMMO RAIL CENTER ENAMEL PAINTS

English

Revision date / valid from: 05/02/2018

Version: 2

### 13. Disposal considerations

#### 13.1. Waste treatment methods

Product: Do not let product enter drains. Dispose of as special waste in compliance with local and national regulations. Can be disposed of as a solid waste or burned in a suitable installation subject to local regulations. Disposal together with normal waste is not allowed. Special disposal required according to local regulations.

Contaminated packaging: Empty remaining contents. Do not burn, or use a cutting torch on, the empty drum. Risk of explosion. Empty containers should be taken to an approved waste-handling site for recycling or disposal.

European Waste Catalogue Number: No waste code according to the European Waste Catalogue can be assigned for this product, as the intended use dictates the assignment. The waste code is established in consultation with the regional waste disposer.

### 14. Transport information

Not dangerous goods for ADR, RID, IMDG and IATA.

#### 14.1. UN number

Not applicable.

#### 14.2. UN proper shipping name

Not applicable.

#### 14.3. Transport hazard class(es)

Not applicable.

#### 14.4. Packaging group

Not applicable.

#### 14.5. Environmental hazards

Not applicable.

#### 14.6. Special precautions for user

Not applicable.

#### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code IMDG:

IMDG: Not applicable.

#### Further information for transport

Not dangerous goods in the meaning of ADR/RID, ADNR, IMDG-Code, ICAO/IATA-DGR

### 15. Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture





# AMMO SAFETY DATA SHEET (MSDS)

According to Regulation (EC) No. 1907/2006

## AMMO RAIL CENTER ENAMEL PAINTS

English

Revision date / valid from: 05/02/2018

Version: 2

### 15.2. Chemical safety assessment

A Chemical Safety Assessment has been carried out for this substance.

### 16. Other information

#### Full text of R-phrases referred to under sections 2 and 3.

R65 Harmful: may cause lung damage if swallowed.

R66 Repeated exposure may cause skin dryness or cracking.

#### Full text of H-Statements referred to under sections 2 and 3.

H304 May be fatal if swallowed and enters airways.

#### Further information

Key literature references and sources for data: Supplier information and data from the "Database of registered substances" of the European Chemicals Agency (ECHA) were used to create this safety data sheet.

Other information: The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. Restricted to professional users. Attention – Avoid exposure - obtain special instructions before use.