

Reg. EC/1907/2006 - Reg. (EU) n. 830/2015 - 29 CFR 1910.1200 (OSHA-HCS)

Revision: =====

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Version 1.0

**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

- 1.1. Product identifier: Pp TaC460 **TOTAL ARMOR CERAMIC COATING**
- 1.2. Foreseen use: PROTECTIVE CERAMIC COATING
- 1.3. Details of the supplier of the safety data sheet: LEVEL FINISH LLC 1161N 1210W STE 200 St. George, UT USA
- For further information concerning the use of this safety data sheet please phone 1(844) 340-5567
  - Chemical technician in charge of the safety data sheet: r.basetti@allchem.it
- 1.4. Emergency telephone number: Chemtrec 1(800) 424-9300

**SECTION 2: Hazard identification**

2.1. Classification of the substance or mixture.

2.1.1 In compliance with Reg. EC n. 1272/2008 the mixture is classified:  GHS08 - Asp. Tox. 1 H304.

2.1.2 Classification according to 29 CFR 1910.1200 (OSHA-HCS): Aspiration toxicity catg. 1

2.2. GHS Label elements according to OSHA-HCS:

Hazard pictograms:

Signal word: **Danger**Hazard Statements: H304 May be fatal if swallowed and enters airways.Precautionary Statements:


- Prevention: P210 Keep away from heat / sparks / open flames / hot surfaces. – No smoking.  
P233 Keep container tightly closed.  
P243 Take precautionary measures against static discharge.  
P261 Avoid breathing dust / fume / gas / mist / vapours / spray.  
P280 Wear protective gloves / eye protection / face protection.  
P271 Use only outdoors or in a well-ventilated area.
- Response: P301+P310+P331: IF SWALLOWED: Immediately call a POISON CENTER/doctor. Do NOT induce vomiting.  
P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P370+P378 In case of fire: Use dry chemical (BC) or Carbon dioxide (CO<sub>2</sub>) for extinction.  
P304+P340 IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.  
P312 Call a POISON CENTER or doctor/physician if you feel unwell.
- Storage: P405 Store locked up.  
P235 Keep cool.  
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
- Disposal: P273 Avoid release to the environment.  
P501 Dispose of contents / container in accordance with local, state and federal regulations.

Supplementary label elements:

The product ready to use contains 480 g/L VOC (Dir. 2004/42/EC, IIB, cat. e, max. 840 g/L).

**SECTION 3: Composition / information on ingredients**

3.2. Mixtures: Dangerous components (classification according to Reg. (EC) n.1272/2008 e 29 CFR 1910.1200 OSHA-HCS)

Denomination	N° CAS	Conc. % in weight	Classification Reg. (CE) n. 1272/2008			Note
	N° reg. ECHA		Hazard class and category	Pictograms and labeling codes	Hazard Statement Code	
	N° CE					
Distillates (petroleum), hydrotreated light	64742-47-8	85 ÷ 95 %	Asp. Tox. 1	 Dgr	H304	
	01-2119484819-18					
	265-149-8					

**SECTION 4: First aid measures**

4.1. Description of first aid measures

- Inhalation. Remove the patient to a well aired place, keep him warm and make him rest. If respiration is irregular or has stopped, give him artificial respiration. In case of loss of consciousness, keep him in a restful position and consult a doctor.
- Skin contact. Immediately remove contaminated garments. Wash the parts involved very thoroughly with soap and water or with an appropriate detergent. Do not use solvents or thinners.
- Eye contact. Rinse with plenty of fresh water for at least 15 minutes keeping the eyelids wide open. If necessary, call a specialist.

- Swallowing. In case of accidental swallowing, consult a doctor immediately. Make the patient rest. Do not induce vomit.
- 4.2. Most important symptoms and effects, both acute and delayed:  
No further information available.
- 4.3. Indication of any immediate medical attention and special treatment needed:  
No further relevant indication.

### **SECTION 5: Firefighting measures**

- 5.1. Recommended measures: Extinguish with carbon dioxide, powders, foam, sprayed water. Do not use water jets.
- 5.2. Special hazards arising from the substance or mixture: combustion can develop toxic fumes containing carbon monoxide.
- 5.3. Advice for firefighters: Cool with sprayed water any closed containers exposed to the fire. Do not breath fumes developed from the fire or wear breathing apparatus.

### **SECTION 6: Accidental release measures**

- 6.1. Personal precautions, protective equipment and emergency procedures: Use the personal protective equipment for person/eyes and respiratory tract. Keep away any source of ignition and ventilate the area.
- 6.2. Environmental precautions: Prevent spills from entering manholes and drains.
- 6.3. Methods and material for containment and cleaning up: In case of accidental spillage, absorb any spilled product with sand and inert materials. Put the contaminated material into tight containers and dispose of as waste according to laws in force. Use no-sparkling tools. If the material is to be recovered by aid of aspirators, keep away possible sources of ignition. Vapors are heavier than air and may form flammable mixtures on the ground: provide adequate ventilation. Do not throw waste material into the sewer system. Clean the area involved with water or detergent liquid. Do not use any solvents.
- 6.4. Reference to other sections: see also sections 8 and 13.

### **SECTION 7: Handling and storage**

- 7.1. Precaution for safe handling: Ensure an adequate ventilation and or localised suction systems in work places. The material can accumulate electrostatic charges which may cause sparks (source of ignition). Use appropriate storage procedures and grounding systems. Use only in well-ventilated places. For personal protection devices see paragraph 8.
- 7.2. Condition for safe storage, including any incompatibilities: keep the container closed. Handle containers with care. Open slowly to check for possible pressure losses. Store between 15 and 25°C in a dry and well aired place. Do not allow access to the storage area to unauthorized person. Stored containers should be grounded and confined. Definitive storage package, package for decanting and related equipment must be grounded to prevent accumulation of electrostatic charges. Compatible packaging materials and coatings (chemical compatibility): carbon steel; stainless steel; polyethylene; polypropylene; polyester; PTFE.  
Not compatible materials and coatings: natural rubber; butyl rubber; EPDM, polystyrene.
- 7.3. Specific end use(s): No further relevant indication.

### **SECTION 8 : Exposure control / personal protection**

#### 8.1. Control parameters

Professional Exposure Limits: Component	ACGIH 2019				DIR 2009/161/EU				
	TLV - TWA (1)		STEL (2)		TLV - TWA (1)		STEL (2)		Note
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	
no component subject to exposure limits -----									

11) Limit for long exposure

2) Limit for short exposure

#### 8.2. Exposure controls

Protection of respiratory tract.: Mask with gas / vapor filter if the TLV values are exceeded and / or in the event of the development of gas or vapors (boiling point <65 ° C eg EN 14387 type AX). Provide adequate ventilation so as not to exceed the exposure limits.

Hands protection. Wear PVF or nitrile rubber gloves for brief contact (recommendation: at least protective index 2, corresponding to > 30 min. permeation according to EN374).

Eye protection: Safety glasses with side shields (caged goggles e.g. EN 166)

HYGENIC MEASURES: Do not breathe vapours – Avoid contact with skin and eyes – Keep away from food and drinks – Before breaks and at the end of work wash hands. Remove contaminated garments and wash them before use them again.

### **SECTION 9: Physical and chemical properties**

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

Physical state:	clear colourless liquid
Odour:	characteristic of solvents
Olfactory limit:	data not available for the mixture
pH:	n.a.
Melting point:	- 25°C
Flash point:	68 °C [ASTM D-56])
Evaporation rate:	data not available for the mixture

Flammability limits:	data not available for the mixture
Vapour density:	data not available for the mixture
Vapour pressure:	10 mmHg @ 20 °C
Boiling range:	data not available for the mixture
Density (at 20°C):	0,86 Kg/L
Solubility in water):	unimportant
Distribution coefficient: n-octanol / water:	data not available for the mixture
Self-ignition temperature:	275° C
Decomposition temperature:	data not available for the mixture
Viscosity:	data not available for the mixture
Explosive properties:	n.a.
Oxidative properties:	see danger identification section

9.2 Other information: no further relevant indication.

### **SECTION 10: Stability and reactivity**

10.1. Reactivity: no data available

10.2. Chemical stability: The product is stable under the recommended conditions of storage and use (see paragraph 7).

10.3. Possibility of hazardous reactions: form explosive mixtures vapour/air.

10.4. Conditions to avoid: heat, flames and sparks.

10.5. Incompatible materials: strong oxidizing agents, alcohols, amines, water and water-based solutions.

10.6. Hazardous decomposition products: none under normal condition of use; If exposed to high temperatures, it can give rise to hazardous decomposition products, such as carbon monoxide.

### **SECTION 11: Toxicological information**

11.1. Information on toxicological effects:

Acute Toxicity Petroleum Distillates	LD <sub>50</sub> oral rat	> 5000 mg/Kg
	LC <sub>50</sub> inhaling rat	5,2 mg/L/4h

No specific information is available on the preparation.

11.2. Chronic effects: concentrations of vapours exceeding recommended exposure levels are irritating to eyes and respiratory tract, can cause headaches and dizziness, have an anaesthetic effect and cause other effects on the central nervous system. Repeated and/or prolonged skin contact with low viscosity materials may degrease the skin with possible development of skin irritation and dermatitis. Small quantities of aspirated liquid in the lungs in case of ingestion or vomiting may cause chemical pneumonia or pulmonary edema.

11.3 Irritation: Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product.

11.4 Sensitization of the respiratory tract: inhalation of high vapour concentrations may cause symptoms like headache, dizziness, fatigue, nausea and vomiting.

11.5 Mutagenicity on germ cell, mutagenicity assessment: no mutagenic effect was found.

The product has not been tested. Toxicological data were derived from the properties of individual components.

### **SECTION 12: Ecological information**

12.1 Toxicity: no specific data is available on the preparation.

12.2 Persistence and degradability: no specific data is available on the preparation; mixture components are partially biodegradable and compatible with biological treatment in waste treatment plants.

12.3. Bioaccumulative potential: non-bioaccumulative components, no specific data available on the preparation.

12.4. Mobility in soil: moderately volatile, no specific data available on the preparation.

12.5. Results of PBT and vPvB assessment: The mixture does not contain substances considered PBT or vPvB.

12.6 Other adverse effects: data not available.

### **SECTION 13: Disposal considerations**

13.1. Waste treatments methods: Do not discharge the product or residues of treatment into sewer systems or water courses. Waste has to be disposed of in compliance with D. Lgs. Regulations of 3 April 2006, n. 152 (European Directives 91/156/EEC, 91/689/EEC and 94/62/EC). Waste may be treated in waste water depuration plants or in incineration plants. Contaminated containers: Empty containers should be taken for recycling, recovery or disposal as waste.

### **SECTION 14: Transport information**

PRODUCT NOT DANGEROUS FOR THE TRANSPORT

### **SECTION 15: Regulatory information**

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture: the components of the mixture are included in Annex I of Dir. 96/82/EC (Seveso). The preparation itself falls within the scope of Directives 1999/13/EC and 2004/42/EC on limits for the emissions of volatile organic compounds (VOC) in vehicles refinishing products (Annex II, B).

15.2. Chemical safety assessment: no assessment on chemical safety has been carried out for the mixture.

### **SECTION 16: Other Information**

The mixture is classified in compliance with Reg. (EC) 1272/2008 and 29 CFR 1910.1200 OSHA-HCS. H304 Asp.Tox.1: aspiration hazard of category 1, conventional calculation method.

Legislation of reference in Italy:

D.M. 28/4/97 – D.M. 28/02/2006 - Classification and labelling of dangerous substances.

D. Lgs. 14/03/2003 – D.Lgs. 28/07/2004 Classification, packing and labelling of dangerous preparations.

D.M. 7/9/2002 - Safety Data Sheets.

D.P.R. 547/55 - D.P.R. 303/56 - D. Lgs. 81/08 - Industrial prevention, security and hygiene.

D.Lgs. 152/2006 – Environmental code.

Legend: TLV-TWA (Threshold Limit Value-Time Weighted Average), TLV-STEL (Threshold Limit Value-Short Term Exposure Limit).

The data contained in this safety sheet are based on our current knowledge and are supplied in compliance with Reg. (EU) n. 830/2015 and 29CFR 1910.1200 OSHA-HCS. The product must not be used for purposes which are different from those indicated under point 1 prior to having obtained specific written instructions. No responsibility is taken for any improper use. It is always the user's liability to conform to the regulations of hygiene, safety and environmental protection foreseen by laws in force. The information contained in this safety data sheet is to be understood as a description of the product for safety purposes, it is not to be considered as a guarantee of its properties.