

**SECTION 1. Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Product code : PreCarbon  
Trades code : A60-000  
Product line: Tintolav

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

Stain remover-Pretrattante hydrocarbon solvent washing

Sectors of use:

Industrial Manufacturing[SU3], Public domain (administration, education, entertainment, services, craftsmen)[SU22]

Uses advised against

Do not use for purposes other than those listed

**1.3. Details of the supplier of the safety data sheet**

Tintolav s.r.l. - Via M. D'Antona 7 - 10028 Trofarello (TO) Tel. 011/649.68.27 Fax 011/649.67.42

Email: [info@tintolav.com](mailto:info@tintolav.com) - Sito internet: [www.tintolav.com](http://www.tintolav.com)

Email tecnico competente: [a.conedera@tintolav.com](mailto:a.conedera@tintolav.com)

National contact: Malta: Emergency Ambulance 112

Accident & Emergency Department 2545 4030

**1.4. Emergency telephone number**

The UK National Poisons Emergency number +44 (0)870 600 6266

London: Emergency 24 hour telephone +44 (0) 207188 0100

**SECTION 2. Hazards identification****2.1. Classification of the substance or mixture**

CAS 90622-58-5 EINECS 918-167-1 REACH 01-2119472146-39

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

Pictograms:

GHS02, GHS08

Hazard Class and Category Code(s):

Flam. Liq. 3, Asp. Tox. 1, Aquatic Chronic 4

Hazard statement Code(s):

H226 - Flammable liquid and vapour.

H304 - May be fatal if swallowed and enters airways.

H413 - May cause long lasting harmful effects to aquatic life.

The product is a liquid that ignites at temperatures above 21 °C if it exposed to an ignition source.

The product can be fatal if swallowed and enters airways

This product is dangerous to the environment as can be harmful to aquatic life with long lasting effects

**2.2. Label elements**

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

Pictogram, Signal Word Code(s):  
GHS02, GHS08 - Danger



Hazard statement Code(s):  
H226 - Flammable liquid and vapour.  
H304 - May be fatal if swallowed and enters airways.  
H413 - May cause long lasting harmful effects to aquatic life.

Supplemental Hazard statement Code(s):  
EUH066 - Repeated exposure may cause skin dryness or cracking.

Precautionary statements:

Prevention

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P273 - Avoid release to the environment.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.

Response

P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER/doctor/ physician.  
P331 - Do NOT induce vomiting.  
P370+P378 - In case of fire: Use foam or CO2 or chemical powder. to extinguish.

Storage

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

Disposal

P501 - Dispose of contents / container in accordance with local and national regulations.

Contains:

Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics

Contains (Reg.EC 648/2004):

> 30% aliphatic hydrocarbons

### 2.3. Other hazards

The substance / mixture NOT contains substances PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XIII

No information on other hazards

For professional use only

## SECTION 3. Composition/information on ingredients

### 3.1 Substances

Irrilevant

### 3.2 Mixtures

Refer to paragraph 16 for full text of hazard statements

Substance	Concentration	Classification	Index	CAS	EINECS	REACH
Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics	100%	Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 4, H413		90622-58-5	918-167-1	01-2119472 146-39

## SECTION 4. First aid measures

#### **4.1. Description of first aid measures**

**Inhalation:**

Air the area. Move immediately the contaminated patient from the area and keep him at rest in a well ventilated room.  
**CALL A PHYSICIAN.**

Air the area. Move immediately the contaminated patient from the area and keep him at rest in a well ventilated area.  
If you feel unwell seek medical advice.

**Direct contact with skin (of the pure product):**

Wash thoroughly with soap and running water.

**Direct contact with eyes (of the pure product):**

Do not use eye drops or ointments of any kind before the examination or advice from an oculist.

**Ingestion:**

The product is harmful and can cause irreversible damages even following a single exposure if swallowed.  
Absolutely do not induce vomiting or emesis. Seek medical advice immediately.

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

No data available.

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

IF SWALLOWED: Immediately call a POISON CENTER/doctor/ physician.

### **SECTION 5. Firefighting measures**

#### **5.1. Extinguishing media**

**Advised extinguishing agents:**

In the case of fire use: foam or CO2 or chemical powder. Do not use water, can expand and spread the fire

**Extinguishing means to avoid:**

Water jets. Use water jets only to cool the surfaces of the containers exposed to fire.

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

No data available.

#### **5.3. Advice for firefighters**

Use protection for the breathing apparatus

Safety helmet and full protective suit.

The spray water can be used to protect the people involved in the extinction

You may also use selfrespirator, especially when working in confined and poorly ventilated area and if you use halogenated extinguishers (Halon 1211 fluobrene, Solkan 123, NAF, etc...)

Keep containers cool with water spray

### **SECTION 6. Accidental release measures**

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

**6.1.1 For non-emergency personnel:**

Leave the area surrounding the spill or release. Do not smoke

Wear mask, gloves and protective clothing.

**6.1.2 For emergency responders:**

Wear mask, gloves and protective clothing. appropriate: Latex and Nitrile  
Eliminate all unguarded flames and possible sources of ignition. No smoking.  
Provision of sufficient ventilation.  
Evacuate the danger area and, in case, consult an expert.

**6.2. Environmental precautions**

Contain spill with earth or sand.  
If the product has entered a watercourse in sewers or has contaminated soil or vegetation, notify it to the authorities.  
Discharge the remains in compliance with the regulations

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

**6.3.1 For containment:**

Rapidly recover the product, wear a mask and protective clothing  
Recover the product for reuse, if possible, or for removal. Possibly absorb it with inert material.  
Prevent it from entering the sewer system.

**6.3.2 For cleaning up:**

After wiping up, wash with water the area and materials involved

**6.3.3 Other information:**

None in particular.

**6.4. Reference to other sections**

Refer to paragraphs 8 and 13 for more information

## **SECTION 7. Handling and storage**

**7.1. Precautions for safe handling**

Avoid contact and inhalation of vapors  
Wear protective gloves/protective clothing/eye protection/face protection.  
Do not smoke at work  
At work do not eat or drink.  
See also paragraph 8 below.

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

Keep in original container closed tightly. Do not store in open or unlabeled containers.  
Keep containers upright and safe by avoiding the possibility of falls or collisions.  
Store in a cool place, away from sources of heat and direct exposure of sunlight.  
Always store in well ventilated areas.  
Never close the container tightly, leave a chance to vent  
Keep away from open flames, sparks and heat sources. Avoid direct sunlight exposure.

**7.3. Specific end use(s)**

Industrial Manufacturing:  
Handle with extreme caution.  
Store in a well ventilated place away from heat sources.

Public domain (administration, education, entertainment, services, craftsmen):  
Handle with care. Store in a ventilated area and away from heat, keep the container tightly closed.

## **SECTION 8. Exposure controls/personal protection**

### 8.1. Control parameters

Related to contained substances:  
Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics:  
Specification: TLV/TWA (EC)  
Value: 1200 mg/m3 ppm/177

### 8.2. Exposure controls

Appropriate engineering controls:  
Industrial Manufacturing:  
No specific monitoring foreseen



Public domain (administration, education, entertainment, services, craftsmen):  
No specific monitoring foreseen

Individual protection measures:

(a) Eye / face protection

When handling the pure product use safety glasses (spectacles cage) (EN 166).

(b) Skin protection

(i) Hand protection

When handling the pure product use chemical resistant protective gloves (EN 374-1/EN374-2/EN374-3)

(ii) Other

When handling the pure product wear full protective skin clothing.

(c) Respiratory protection

Not needed for normal use.

(d) Thermal hazards

No hazard to report

Environmental exposure controls:

Use according to good working practices to avoid pollution into the environment.

## SECTION 9. Physical and chemical properties

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

Physical and chemical properties	Value	Determination method
Appearance	colorless liquid	
Odour	characteristic	
Odour threshold	not determined	
pH	not determined	
Melting point/freezing point	not determined	
Initial boiling point and boiling range	150-220 °C	
Flash point	56 °C	ASTM D92
Evaporation rate	irrelevant	

Physical and chemical properties	Value	Determination method
Flammability (solid, gas)	not applicable	
Upper/lower flammability or explosive limits	0,6% Vol - 7,0% Vol	
Vapour pressure	5 hPa @ 25 °C	
Vapour density	> 1	
Relative density	0.721-0.801 g/cm3	
Solubility	not applicable	
Water solubility	not determined	
Partition coefficient: n-octanol/water	not determined	
Auto-ignition temperature	200 °C	
Decomposition temperature	not determined	
Viscosity	not determined	
Explosive properties	not explosive	
Oxidising properties	non-oxidizing	

**9.2. Other information**

No data available.

**SECTION 10. Stability and reactivity****10.1. Reactivity**

No reactivity hazards

**10.2. Chemical stability**

No hazardous reaction when handled and stored according to provisions.

**10.3. Possibility of hazardous reactions**

There are no hazardous reactions

**10.4. Conditions to avoid**

Avoid contact with combustible materials. The product could catch fire. heat, open flames, sparks or hot surfaces.

**10.5. Incompatible materials**

It can ignite in contact with oxidants mineral acids.

**10.6. Hazardous decomposition products**

Does not decompose when used for intended uses.

**SECTION 11. Toxicological information****11.1. Information on toxicological effects**

ATE(mix) oral = ∞

ATE(mix) dermal =  $\infty$ ATE(mix) inhal =  $\infty$ 

- (a) acute toxicity: based on available data, the classification criteria are not met.
- (b) skin corrosion/irritation: Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics: can be slightly irritating.
- (c) serious eye damage/irritation: based on available data, the classification criteria are not met.
- (d) respiratory or skin sensitization: based on available data, the classification criteria are not met.
- (e) germ cell mutagenicity: based on available data, the classification criteria are not met.
- (f) carcinogenicity: based on available data, the classification criteria are not met.
- (g) reproductive toxicity: based on available data, the classification criteria are not met.
- (h) specific target organ toxicity (STOT) single exposure: based on available data, the classification criteria are not met.
- (i) specific target organ toxicity (STOT) repeated exposure: based on available data, the classification criteria are not met.
- (j) aspiration hazard: The product can be fatal if swallowed and enters airways

PreCarbon:

LD50 (rat) Oral (mg/kg body weight) = 5000

LD50 Dermal (rat or rabbit) (mg/kg body weight) = 5000

CL50 Inhalation (rat) vapour/dust/mist/fume (mg/l/4h) or gas (ppmV/4h) = 4951

Related to contained substances:

Hydrocarbons, C11-C12, isoalkanes, &lt; 2% aromatics:

Specification: LC50 oral route of Administration:

Test species: rat

Value: > 5000 mg/m<sup>3</sup>

For. test: 8:00

Test method: OECD 403

Specification: LD50 Inhalation route of Administration:

Test species: rat

Value: &gt; 5000 mg/kg

Test method: OECD guideline 401

Specification: LD50 Dermal route of Administration:

Test species: rabbit

Value: &gt; 5000 mg/kg

Test method: OECD 402

LD50 (rat) Oral (mg/kg body weight) = 5000

LD50 Dermal (rat or rabbit) (mg/kg body weight) = 5000

CL50 Inhalation (rat) vapour/dust/mist/fume (mg/l/4h) or gas (ppmV/4h) = 4951

## SECTION 12. Ecological information

### 12.1. Toxicity

PreCarbon:

C(E)L50 (mg/l) = 1000

The product can cause long-term adverse effects in the aquatic environment, being hardly degradable and / or bioaccumulative

Use according to good working practices to avoid pollution into the environment.

### 12.2. Persistence and degradability

Related to contained substances:

Hydrocarbons, C11-C12, isoalkanes, &lt; 2% aromatics:

Specification: Biodegradability

31.3% value

For. test: 28 d  
Test method: Read across.  
Readily biodegradable.

**12.3. Bioaccumulative potential**

No data available.

**12.4. Mobility in soil**

No data available.

**12.5. Results of PBT and vPvB assessment**

The substance / mixture NOT contains substances PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XIII

**12.6. Other adverse effects**

No adverse effects

**SECTION 13. Disposal considerations****13.1. Waste treatment methods**

Do not reuse empty containers. Dispose of them in accordance with the regulations in force. Any remaining product should be disposed of according to applicable regulations by addressing to authorized companies.

Recover if possible. Send to authorized discharge plants or for incineration under controlled conditions. Operate according to local and National rules in force

**SECTION 14. Transport information****14.1. UN number**

ADR/RID/IMDG/ICAO-IATA: 3295

ADR exemption because compliance with the following characteristics:

Combination packagings: per inner packaging 5 L per package 30 Kg

Inner packagings placed in shrink-wrapped or stretch-wrapped trays: per inner packaging 5 L per package 20 Kg

**14.2. UN proper shipping name**

ADR/RID/IMDG: HYDROCARBONS, LIQUID, N.O.S. (Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics)

ICAO-IATA: HYDROCARBONS, LIQUID, N.O.S. (Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics)

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

ADR/RID/IMDG/ICAO-IATA: Class : 3

ADR/RID/IMDG/ICAO-IATA: Label : Onu

ADR: Tunnel restriction code : D/E

ADR/RID/IMDG/ICAO-IATA: Limited quantities : 5 L

IMDG - EmS : F-E, S-D

**14.4. Packing group**

ADR/RID/IMDG/ICAO-IATA: III



#### **14.5. Environmental hazards**

ADR/RID/ICAO-IATA: Product is not environmentally hazardous

IMDG: Marine polluting agent : Not

#### **14.6. Special precautions for user**

No data available.

#### **14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

It is not intended to carry bulk

### **SECTION 15. Regulatory information**

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

Seveso category:

P5a - FLAMMABLE LIQUIDS

#### **15.2. Chemical safety assessment**

The supplier has made an assessment of chemical safety

### **SECTION 16. Other information**

#### **16.1. Other information**

Points modified compared to previous release: 2.2. Label elements, 2.3. Other hazards, 4.3. Indication of any immediate medical attention and special treatment needed, 5.1. Extinguishing media, 6.1. Personal precautions, protective equipment and emergency procedures, 7.1. Precautions for safe handling, 8.1. Control parameters, 11.1. Information on toxicological effects, 12.1. Toxicity, 12.2. Persistence and degradability, 14.1. UN number, 14.2. UN proper shipping name, 14.3. Transport hazard class(es), 14.4. Packing group, 14.5. Environmental hazards, 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Description of the hazard statements exposed to point 3

H226 = Flammable liquid and vapour.

H304 = May be fatal if swallowed and enters airways.

H413 = May cause long lasting harmful effects to aquatic life.

Classification based on data of all mixture components

Main normative references:

Directive 1999/45/EC

Directive 2001/60/EC

Regulation 1272/2008/EC

Regulation 2010/453/EC

\*\* The information contained herein is based on our knowledge at the date above.

Related solely to the product and do not constitute a guarantee of a particular quality.

It is the duty of the user to ensure that these are appropriate and complete information regarding the specific use intended.

This data sheet cancels and replaces any previous edition.