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

1.1. Product identifier

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

UFI: 00F2-V0QX-T00K-2JA0

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 - Sito internet: www.tintolav.com

Email tecnico competente: 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

2.1.2 Additional information:

For full text of Hazard- and EU Hazard-statements: see SECTION 16.

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.
P331 - Do NOT induce vomiting.
P370+P378 - In case of fire: Use foam or CO2 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

UFI: 00F2-V0QX-T00K-2JA0

2.3. Other hazards

Based on the available data, no PBT or vPvB substances are present in accordance with Regulation (EC) 1907/2006, annex XIII

Based on available data, there are no substances that interfere with the Endocrine System in accordance with Regulation (EU) 2017/2100

No information on other hazards
For professional use only

SECTION 3. Composition/information on ingredients

3.1 Substances

Irrilevant

3.2 Mixtures

Substance	Concentration[w/w]	Classification	Index	CAS	EINECS	REACh
Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics	100%	EUH066; Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 4, H413 1 1 ATE oral = 5.000,000 mg/kg ATE dermal = 5.000,000 mg/kg ATE inhal = 4.951,000 mg/l/4 h	ND	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.

SECTION 5. Firefighting measures

5.1. Extinguishing media

Advised extinguishing agents:
In the case of fire use: foam or CO2

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
Handle with gloves. Gloves must be checked before use. Use a technique suitable for removing gloves (without touching the outer surface of the glove) to avoid the skin contact with this product Dispose of contaminated gloves after use in accordance with current legislation and good laboratory practices. Wash and dry your hands.
The selected protective gloves have to satisfy the requirements of EU directive 89/686 / EEC e

the resulting EN 374 standards.
Full contact
Material: Nitrile rubber
minimum thickness: 0.11 mm
breakthrough time: 480 min
The choice of an appropriate glove depends not only on the material but also on other quality characteristics which vary from one manufacturer to another.
For the choice of the type of gloves to use consult the supplier / manufacturer of the gloves.
Observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves.

(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
Physical state	Liquid	
Colour	colorless	
Odour	Characteristic	
Odour threshold	not determined	
Melting point/freezing point	not determined	
Boiling point or initial boiling point and boiling range	150-220 °C	
Flammability	flammable	
Lower and upper explosion limit	0,6% Vol - 7,0% Vol	
Flash point	56 °C	ASTM D92
Auto-ignition temperature	200 °C	
Decomposition temperature	not determined	
pH	not determined	
Kinematic viscosity	not determined	
Solubility	not determined	
Water solubility	not determined	
Partition coefficient n-octanol/water (log value)	not determined	
Vapour pressure	5 hPa @ 25 °C	
Density and/or relative density	0.721-0.801 g/cm3	
Relative vapour density	> 1	
Particle characteristics	irrelevant	

9.2. Other information

9.2.1 Information with regard to physical hazard classes

Irrilevant

9.2.2 Other safety characteristics

Irrilevant

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.
Avoid 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 hazard classes as defined in Regulation (EC) No 1272/2008

ATE(mix) oral = ∞
ATE(mix) dermal = ∞
ATE(mix) inhal = ∞

(a) acute toxicity: based on available data, the classification criteria are not met.
(b) skincorrosion/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) respiratoryorskinsensitisation: 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) eproductivetoxicity: 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 exposurebased on available data, the classification criteria are not met.
(j) aspiration hazard: The product can be fatal if swallowed and enters airways

Tintolav - 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, < 2% aromatics:
Specification: LC50 oral route of Administration:
Test species: rat
Value: > 5000 mg/m3
For. test: 8:00
Test method: OECD 403
Specification: LD50 Inhalation route of Administration:
Test species: rat
Value: > 5000 mg/kg
Test method: OECD guideline 401
Specification: LD50 Dermal route of Administration:
Test species: rabbit
Value: > 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

11.2. Information on other hazards

No data available.

11.2.1. Endocrine disrupting properties

Based on available data, there are no substances that interfere with the Endocrine System in accordance with Regulation (EU) 2017/2100

SECTION 12. Ecological information

12.1. Toxicity

Tintolav - 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, < 2% aromatics:
Specification: Biodegradabilit
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

Based on the available data, no PBT or vPvB substances are present in accordance with Regulation (EC) 1907/2006, annex XIII

12.6. Endocrine disrupting properties

Based on available data, there are no substances that interfere with the Endocrine System in accordance with Regulation (EU) 2017/2100

12.7. 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 or ID 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 skrink-wrapped or stretch-wrapped trays: per inner packaging 5 L per package 20 kg

14.2. UN proper shipping name

ADR/RID/IMDG: IDROCARBURI LIQUIDI, N.A.S. (Idrocarburi, C11-C12, isoalcani, <2% aromatici)
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 : Limited quantities
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. Maritime transport in bulk according to IMO instruments

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

REGULATION (EU) No 1357/2014 - waste:
HP5 - Specific Target Organ Toxicity (STOT)/Aspiration Toxicity

Substances in the Candidate List (REACH Article 59)
Based on available data, no SVHC substances are present

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: 1.1. Product identifier, 1.2. Relevant identified uses of the substance or mixture and uses advised against, 2.1. Classification of the substance or mixture, 2.2. Label elements, 2.3. Other hazards, 3.2 Mixtures, 4.3. Indication of any immediate medical attention and special treatment needed, 5.1. Extinguishing media, 8.2. Exposure controls, 9.2. Other information, 10.4. Conditions to avoid, 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008, 12.1. Toxicity, 12.5. Results of PBT and vPvB assessment, 12.6. Endocrine disrupting properties, 14.1. UN number or ID number, 14.2. UN proper shipping name, 14.3. Transport hazard class(es), 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 and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Classification according to Regulation (EC) Nr. 1272/2008

H226 - Flammable liquid and vapour. Classification procedure: On basis of test data
H304 - May be fatal if swallowed and enters airways. Classification procedure: Calculation method
H413 - May cause long lasting harmful effects to aquatic life. Classification procedure: Calculation method

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.