

**SECTION1. Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Product code : Tecno Lube

Trades code : A943100G

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

Adhesive lubricants

Sectors of use:

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

Product category:

Lubricants, Greases and Release Products

Uses advised against

Do not use for purposes other than those listed

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

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**1.4. Emergency telephone number**

Centro Antiveleni Ospedale Niguarda (MI) - 0266101029 24 ore su 24

**SECTION2. Hazards identification****2.1. Classification of the substance or mixture**

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

Pictograms:

GHS02

Hazard Class and Category Code(s):

Flam. Aerosol 1

Hazard statement Code(s):

H222 - Extremely flammable aerosol.

H229 - Pressurised container: May burst if heated.

Aerosol that ignites easily even at low temperatures, fire risk

The repeated inhalation of vapors can cause drowsiness and giddiness.

Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50 ° C.

The aerosol containers overheated burst and can be ejected with violence from a distance and can take place a dangerous mechanism for the fire.



**2.2. Label elements**

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

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



Hazard statement Code(s):  
H222 - Extremely flammable aerosol.  
H229 - Pressurised container: May burst if heated.

Supplemental Hazard statement Code(s):  
not applicable

Precautionary statements:  
Prevention

- P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P211 - Do not spray on an open flame or other ignition source.
- P251 - Do not pierce or burn, even after use.

Storage

P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

Contains:

White mineral oil (petroleum)

**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

**SECTION3. 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
White mineral oil (petroleum)	> 30 <= 50%	Asp. Tox. 1, H304		8042-47-5	232-455-8	01-2119487 078-27

**SECTION4. 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 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):

Wash immediately and thoroughly with running water for at least 10 minutes.

Ingestion:

Not hazardous. It's possible to give activated charcoal in water or liquid paraffin medicine

#### 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

No data available.

### SECTION 5. Firefighting measures

#### 5.1. Extinguishing media

Advised extinguishing agents:

CO2 or dry powder extinguisher

Extinguishing means to avoid:

Direct jets of water

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

The aerosol containers overheated burst and can be ejected with violence from a distance and can take place a dangerous mechanism for the fire.

Manufactured under pressure in sealed metal container (test pressure 15 bar max). Cool containers with water spray trying to remove them from the fire. The aerosol containers can be overheated and burst violently ejected from a distance (protect the head using a safety helmet).

#### 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 surrounding area recalling that any overheating could project the cylinder at a considerable distance.

Wear gloves and protective clothing

6.1.2 For emergency responders:

Given the tightness of aerosol, it is unlikely that the spillage may occur.

However if some container is damaged likely to cause a loss, insulate the tank in question by bringing it to open air or



covering it with inert material and fuel (eg sand, earth, vermiculite) and having the care to avoid any point of ignition that might pose a serious risk of fire.

Wear gloves and protective clothing

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

Inform the competent authorities.

Discharge the remains in compliance with the regulations

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

6.3.1 For containment:

Recover the product for reuse, if possible, or the removal.

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

Use extreme caution when handling the product. Avoid shock or friction.

Do not smoke at work

At work do not eat or drink.

Vapors are heavier than air and may spread close to the ground and form explosive mixtures with air. Prevent formation of flammable or explosive concentrations in the air.

Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50 ° C.

Do not pierce or burn, even after the use. Do not spray on flame or incandescent objects. Use in adequately ventilated areas.

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.

Pressurized container. Store in a ventilated place, in original packaging away from heat and sunlight.

Keep away from open flames, sparks and heat sources. Avoid direct sunlight exposure.

## 7.3. Specific end use(s)

Industrial Manufacturing (all):

use gloves, goggles and protective clothing; stored in a closed, well-ventilated



Issued on 03/25/2016 - Rel. # 1 on 03/25/2016

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In conformity to Regulation (EU) 2015/830

Public domain (administration, education, entertainment, services, craftsmen):  
use gloves, goggles and protective clothing; Store in closed, well-ventilated place.

## SECTION 8. Exposure controls/personal protection

### 8.1. Control parameters

Related to contained substances:  
White mineral oil (petroleum):  
White Mineral Oil ACGIH TLV STEL 10 mg/m<sup>3</sup>

### 8.2. Exposure controls

Appropriate engineering controls:  
Industrial Manufacturing (all):  
no one

Public domain (administration, education, entertainment, services, craftsmen):  
no one

Individual protection measures:

(a) Eye / face protection  
Wear safety goggles to EN-166

(b) Skin protection

(i) Hand protection  
Wear gloves (eg neoprene, nitrile or PVC) Working preferably soft lining resistant to mineral oils or solvents. Gloves should be changed when they show signs of wear. Wear gloves after proper hand washing.  
In the case of prolonged contact does not use barrier creams can be a useful security tool.  
In the case of prolonged contact does not use barrier creams can be a useful security tool.  
The choice of protective gloves depends also on the conditions of use and must take into account the manufacturer's instructions.  
For more information refer to the UNI-EN 374  
Not required for normal use of the hands.

(ii) Other  
Avoid direct contact with the skin  
Better is to use cotton antistatic clothing

(c) Respiratory protection  
Work in a sufficiently ventilated to avoid inhaling the product.

(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	Aerosol - yellowish	Visual exam
Odour	Unnoticeable	Organoleptic test
Odour threshold	Not determined	
pH	Not applicable	
Melting point/freezing point	< -5°C	ASTM D 97
Initial boiling point and boiling range	Not determined	
Flash point	Not determined	
Evaporation rate	Not determined	
Flammability (solid, gas)	Flammable gas	
Upper/lower flammability or explosive limits	8,8% / 1,8% (V/V)	Flammability limit Upper / Lower
Vapour pressure	3,8 Bar at 20°C	ASTM D 5191
Vapour density	<1 (1=Air)	
Relative density	0,730 Kg/dm <sup>3</sup>	ASTM D 4052
Solubility	Undefined	
Water solubility	Insoluble	
Partition coefficient: n-octanol/water	Not available	
Auto-ignition temperature	>270°C	ASTM D 51794
Decomposition temperature	Not available	
Viscosity	>68 cSt at 40°C	ASTM D 2270
Explosive properties	Not applicable	
Oxidising properties	Not applicable	
Container volume	400 ml	
Product volume	Not determined	
Pressure to 20°C	Not determined	
Deformation pressure	Not determined	
Burst pressure of the container	5 Bar (Air 43.030) cylinder pressure at 50°C	
Flash point of liquid phase	Not determined	
Propellent inflammability	Not determined	

**9.2. Other information**

- Dry leftover. 25.20%
- VOC (Directive 1999/13 / EC): 74,80% - 546.04 g / liter.
- VOC (volatile carbon): 52,50% - 383.25 g / liter.

**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 heating the product, it could explode.

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

The aerosol product is stable for a period exceeding 36 months and in normal storage conditions can not take place dangerous reactions as the container is almost hermetically sealed.

To avoid that the metal container can deteriorate, keep away from acidic or basic products. Attention to the heat as temperatures exceeding 50 ° C has increased pressure inside the container that gets to deformation of the cylinder until the outbreak.

## 10.5. Incompatible materials

It can generate inflammable gases to contact with elementary metals, nitrides, strong reducing agents.

It can generate toxic gases to contact with oxidants mineral acids, organic peroxides, organic water peroxides.

It can ignite in contact with oxidants mineral acids, organic nitrides, peroxides and water peroxides, strong oxidants agents.

## 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 = ∞

ATE(mix) inhal = ∞

(a) acute toxicity: based on available data, the classification criteria are not met.

(b) skin corrosion/irritation based on available data, the classification criteria are not met.

(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: based on available data, the classification criteria are not met.



Related to contained substances:

White mineral oil (petroleum):

TOXICOLOGICAL DATA: Meaningful toxicological test data could not be found for this product.

Carcinogenicity Data: The ingredient(s) of this product is (are) not classed as carcinogenic by ACGIH, IARC, OSHA or NTP.

Reproductive Data: No adverse reproductive effects are anticipated.

Mutagenicity Data: No adverse mutagenic effects are anticipated.

Teratogenicity Data: No adverse teratogenic effects are anticipated.

## SECTION 12. Ecological information

### 12.1. Toxicity

Related to contained substances:

White mineral oil (petroleum):

Ecotoxicity: Not available. Low acute toxicity to aquatic organisms.

Environmental Fate: Not available. Can be dangerous if allowed to enter drinking water intakes. Do not contaminate domestic or irrigation water supplies, lakes, streams, ponds, or rivers. This product is biodegradable.

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

### 12.2. Persistence and degradability

Relative to single components:

CAS 8042-47-5: NOT Readily Biodegradable.

CAS 106-97-8: Solubility in water. mg / l 0.1 to 100 Readily Biodegradable.

CAS 74-98-6: Solubility in water. mg / l 0.1 to 100 Readily Biodegradable.

### 12.3. Bioaccumulative potential

Relative to single components:

CAS 106-97-8: Coefficient n-Octanol / water 1.09

CAS 74-98-6: Coefficient n-Octanol / water 1.09.

### 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**

The waste must be disposed of in compliance with the regulations in force delivering empty containers for final disposal and equipped to safely handle pressurized containers containing flammable liquids and gas waste. The empty container heated to temperatures exceeding 70 ° C can burst.

Recover if possible. Operate according to local or national regulations

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

1950

If subject to the following characteristics is ADR exempt:

Combination packagings: per inner packaging 1 L per package 30 Kg

Inner packagings placed in skrink-wrapped or stretch-wrapped trays: per inner packaging 1 L per package 20 Kg

**14.2. UN proper shipping name**

AEROSOL flammable

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

Class : 2

Label : 2.1

Tunnel restriction code : D

Limited quantities : 1 L

EmS : F-D, S-U

**14.4. Packing group**

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**14.5. Environmental hazards**

Product is not environmentally hazardous

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

**SECTION15. Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

No data available.

**15.2. Chemical safety assessment**

The supplier has made an assessment of chemical safety

**SECTION16. Other information****16.1. Other information**

Description of the hazard statements exposed to point 3  
H304 = May be fatal if swallowed and enters airways.

Classification based on data of all mixture components

Further reading:

Directive 67/548 29 ° adaptation

Directive 1999/45 / EC

Directive 2001/60 / EC

Regulation 1272/2008 / EC and its amendments

Regulation (EU) 453/2010 and subsequent updates

Regulation (EU) 529/2012 and subsequent updates

Regulation (EU) 605/2014 and subsequent updates

Regulation (EU) 830/2015 and subsequent updates

ADR - IMDG - IATA updated ADR Regulations 2015 and subsequent amendments

\*\*\* This sheet supersedes all previous editions.

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