

<b>INDUSTRIA MAIMERI S.P.A.</b>		Revision nr.84 Dated 3/9/2014 Printed on 3/9/2014 Page n. 1 / 8
<b>AUXILIARY PRODUCTS</b>	<b>58660 White spirit</b>	
<b>Safety data sheet</b>		
<b>SECTION 1. Identification of the substance/mixture and of the company/undertaking</b>		
<b>1.1. Product identifier</b>		
Code:	<b>58660</b>	
Product name	<b>AUXILIARY PRODUCTS</b>	<b>58660 White spirit</b>
Chemical name and synonym	<b>Alifatic hydrocarbon</b>	
EC number	<b>919-446-0</b>	
Registration Number	<b>01-2119458049-33</b>	
<b>1.2. Relevant identified uses of the substance or mixture and uses advised against</b>		
Intended use	<b>Thinner for oil painting.</b>	
<b>1.3. Details of the supplier of the safety data sheet</b>		
Name	<b>INDUSTRIA MAIMERI S.P.A.</b>	
Full address	<b>Via Gianni Maimeri, 1</b>	
District and Country	<b>20060 Mediglia</b>	<b>(MI)</b>
	<b>Italia</b>	
	<b>Tel. +39 02 906981</b>	
	<b>Fax +39 02 90698999</b>	
e-mail address of the competent person responsible for the Safety Data Sheet	<b>schedesicurezza@maimeri.it</b>	
Product distribution by	<b>INDUSTRIA MAIMERI S.P.A. VIA G.MAIMERI 1 20060 BETTOLINO DI MEDIGLIA (MI) ITALY</b>	
<b>1.4. Emergency telephone number</b>		
For urgent inquiries refer to	<b>Australia : 131126</b>	
	<b>USA: 1 800 222 1222</b>	
	<b>Regno Unito NHS Direct (UK): +44 (0) 845 46 47</b>	
<b>SECTION 2. Hazards identification.</b>		
Applicable note P : benzene < 1% weight.		
<b>2.1. Classification of the substance or mixture.</b>		
The product is classified as hazardous pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of EC Regulation 1907/2006 and subsequent amendments.		
Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.		
<b>2.1.1. Regulation 1272/2008 (CLP) and following amendments and adjustments.</b>		
Hazard classification and indication:		
Flam. Liq. 3	H226	
Asp. Tox. 1	H304	
STOT SE 3	H336	
Aquatic Chronic 2 H411	H411	
Note P	Note P	
<b>2.1.2. 67/548/EEC and 1999/45/EC Directives and following amendments and adjustments.</b>		
Danger Symbols:	Xn-N	
R phrases:	10-51/53-65-66-67	
The full wording of the Risk (R) and hazard (H) phrases is given in section 16 of the sheet.		

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**SECTION 2. Hazards identification. ... / >>****2.2. Label elements.**

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

Hazard pictograms:



Signal words:                      Danger

Hazard statements:

**H226**                      Flammable liquid and vapour.  
**H304**                      May be fatal if swallowed and enters airways.  
**H336**                      May cause drowsiness or dizziness.  
**H411**                      Toxic to aquatic life with long lasting effects.  
**EUH066**                  Repeated exposure may cause skin dryness or cracking.

Precautionary statements:

**P210**                      Keep away from heat / sparks / open flames / hot surfaces. No smoking.  
**P233**                      Keep container tightly closed.  
**P310**                      Immediately call a POISON CENTER or doctor / physician.  
**P331**                      DO NOT induce vomiting.  
**P403+P235**              Store in a well-ventilated place. Keep cool.  
**P501**                      Dispose of contents / container to in accordance with local and national norms. . .

Nr. EC:                                919-446-0

**2.3. Other hazards.**

Information not available.

**SECTION 3. Composition/information on ingredients.****3.1. Substances.**

**Contains:**

Identification.	Conc. %.	Classification 67/548/EEC.	Classification 1272/2008 (CLP).
<b>White Spirit</b>			
CAS. -	100	R10, R66, R67, Xn R65, N R51/53, Note P	Flam. Liq. 3 H226, Asp. Tox. 1 H304, STOT SE 3 H336, Aquatic Chronic 2 H411, EUH066, Note P
EC. 919-446-0			
INDEX. -			
Reg. no. 01-2119458049-33			

Note: Upper limit is not included into the range.

The full wording of the Risk (R) and hazard (H) phrases is given in section 16 of the sheet.

T+ = Very Toxic(T+), T = Toxic(T), Xn = Harmful(Xn), C = Corrosive(C), Xi = Irritant(Xi), O = Oxidizing(O), E = Explosive(E), F+ = Extremely Flammable(F+), F = Highly Flammable(F), N = Dangerous for the Environment(N)

**3.2. Mixtures.**

Information not relevant.

**SECTION 4. First aid measures.****4.1. Description of first aid measures.**

Not specifically necessary. Observance of good industrial hygiene is recommended.

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

No episodes of damage to health ascribable to the product have been reported.

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

Information not available.

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<b>SECTION 5. Firefighting measures.</b>		
<b>5.1. Extinguishing media.</b>		
SUITABLE EXTINGUISHING EQUIPMENT The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray.		
UNSUITABLE EXTINGUISHING EQUIPMENT None in particular.		
<b>5.2. Special hazards arising from the substance or mixture.</b>		
HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE Do not breathe combustion products.		
<b>5.3. Advice for firefighters.</b>		
GENERAL INFORMATION Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.		
SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).		
<b>SECTION 6. Accidental release measures.</b>		
<b>6.1. Personal precautions, protective equipment and emergency procedures.</b>		
Use breathing equipment if fumes or powders are released into the air. These indications apply for both processing staff and those involved in emergency procedures.  Send away individuals who are not suitably equipped. Eliminate all sources of ignition (cigarettes, flames, sparks, etc.) from the leakage site.		
<b>6.2. Environmental precautions.</b>		
The product must not penetrate into the sewer system or come into contact with surface water or ground water.		
<b>6.3. Methods and material for containment and cleaning up.</b>		
Confine using earth or inert material. Collect as much material as possible and eliminate the rest using jets of water. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.		
<b>6.4. Reference to other sections.</b>		
Any information on personal protection and disposal is given in sections 8 and 13.		
<b>SECTION 7. Handling and storage.</b>		
<b>7.1. Precautions for safe handling.</b>		
Keep away from heat, sparks and naked flames; do not smoke or use matches or lighters. Without adequate ventilation, vapours may accumulate at ground level and, if ignited, catch fire even at a distance, with the danger of backfire. Avoid bunching of electrostatic charges. In order to avoid the risk of fires and explosions, never use compressed air when handling. Open containers with caution as they may be pressurised.  Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use.		
<b>7.2. Conditions for safe storage, including any incompatibilities.</b>		
Store in a well ventilated place, keep far away from sources of heat, naked flames and sparks and other sources of ignition.  Keep the product in clearly labelled containers. Keep containers away from any incompatible materials, see section 10 for details.		
<b>7.3. Specific end use(s).</b>		
Information not available.		

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## SECTION 8. Exposure controls/personal protection.

### 8.1. Control parameters.

Information not available.

### 8.2. Exposure controls.

As the use of adequate technical equipment must always take priority over personal protection equipment, make sure that the workplace is well aired through effective local aspiration. Personal protection equipment must comply with the rules in force indicated below.

#### HAND PROTECTION

Protect hands with category II (ref. Directive 89/686/EEC and standard EN 374) work gloves, such as those in PVC, neoprene, nitril or equivalent. The following should be considered when choosing work glove material: degradation, breakage times and permeation. Work glove resistance to preparations should be checked before use, as it can be unpredictable. Gloves' limit depends on the duration of exposure.

#### EYE PROTECTION

Wear protective airtight goggles (ref. standard EN 166).

#### SKIN PROTECTION

Wear category II professional long-sleeved overalls and safety footwear (ref. Directive 89/686/CEE and standard EN 344). Wash body with soap and water after removing overalls.

#### RESPIRATORY PROTECTION

If the threshold value (if available) for one or more of the substances present in the preparation for daily exposure in the workplace or to a fraction established by the company's prevention and protection service is exceeded, wear a mask with an A or universal filter, the class (1, 2 or 3) of which must be chosen according to the limit concentration of use (ref. standard EN 141).

The use of respiratory tract protection equipment, such as masks like that indicated above, is necessary to reduce worker exposure in the absence of technical measures. The protection provided by masks is in any case limited.

If the substance in question is odourless or its olfactory threshold is higher than the relative exposure limit and in the event of an emergency, or when exposure levels are unknown or the concentration of oxygen in the workplace is less than 17% volume, wear self-contained, open-circuit compressed air breathing apparatus (ref. standard EN 137) or fresh air hose breathing apparatus for use with full face mask, half mask or mouthpiece (ref. standard EN 138).

An emergency eye washing and shower system must be provided.

In the presence of risks of exposure to splashes or squirts during work, adequate mouth, nose and eye protection should be used to prevent accidental absorption.

#### ENVIRONMENTAL EXPOSURE CONTROLS.

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

## SECTION 9. Physical and chemical properties.

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

Appearance	liquid
Colour	colourless
Odour	characteristic
Odour threshold.	Not available.
pH.	
Melting point / freezing point.	Not available.
Initial boiling point.	Not available.
Boiling range.	Not available.
Flash point.	> 23 °C.
Evaporation Rate	Not available.
Flammability of solids and gases	Not available.
Lower inflammability limit.	Not available.
Upper inflammability limit.	Not available.
Lower explosive limit.	Not available.
Upper explosive limit.	Not available.
Vapour pressure.	Not available.
Vapour density	Not available.
Relative density.	0,700 Kg/l
Solubility	soluble in organic solvents
Partition coefficient: n-octanol/water	Not available.
Auto-ignition temperature.	Not available.
Decomposition temperature.	Not available.
Viscosity	Not available.
Explosive properties	Not available.
Oxidising properties	Not available.

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**SECTION 9. Physical and chemical properties. ... / >>****9.2. Other information.**

VOC (Directive 1999/13/EC) :	100,00 %	-	700,00	g/litre.
VOC (volatile carbon) :	100,00 %	-	700,00	g/litre.

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

There are no particular risks of reaction with other substances in normal conditions of use.

**10.2. Chemical stability.**

The product is stable in normal conditions of use and storage.

**10.3. Possibility of hazardous reactions.**

No hazardous reactions are foreseeable in normal conditions of use and storage.

**10.4. Conditions to avoid.**

None in particular. However the usual precautions used for chemical products should be respected.

**10.5. Incompatible materials.**

Information not available.

**10.6. Hazardous decomposition products.**

Information not available.

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

The introduction of even small quantities of this liquid into the respiratory system in case of ingestion or vomit may cause bronchopneumonia and pulmonary edema.

This product contains highly volatile substances, which may cause serious depression of the central nervous system (CNS) and have negative effects, such as drowsiness, dizziness, slow reflexes, narcosis.

White Spirit	
LD50 (Oral).	> 5000 mg/Kg
LD50 (Dermal).	> 4 mg/Kg

**SECTION 12. Ecological information.**

This product is dangerous for the environment and is toxic for aquatic organisms. In the long term, it have negative effects on aquatic environment.

**12.1. Toxicity.**

White Spirit	
LC50 (96h) - for Fish.	< 30 mg/l
EC50 (48h) - for Algae / Aquatic Plants.	< 22 mg/l
EC50 (72h) - for Crustacea.	< 10 mg/l

**12.2. Persistence and degradability.**

Information not available.

**12.3. Bioaccumulative potential.**

Information not available.

**12.4. Mobility in soil.**

Information not available.

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

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

**12.6. Other adverse effects.**

Information not available.

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Page n. 6 / 8**SECTION 13. Disposal considerations.****13.1. Waste treatment methods.**

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

Avoid littering. Do not contaminate soil, sewers and waterways.

Waste transportation may be subject to ADR restrictions.

**CONTAMINATED PACKAGING**

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

**SECTION 14. Transport information.**

These goods must be transported by vehicles authorized to the carriage of dangerous goods according to the provisions set out in the current edition of the Code of International Carriage of Dangerous Goods by Road (ADR) and in all the applicable national regulations.

These goods must be packed in their original packagings or in packagings made of materials resistant to their content and not reacting dangerously with it. People loading and unloading dangerous goods must be trained on all the risks deriving from these substances and on all actions that must be taken in case of emergency situations.

**Road and rail transport:**

ADR/RID Class: 3 UN: 1300  
Packing Group: III  
Label: 3  
Nr. Kemler: 30  
Limited Quantity: 5 L  
Tunnel restriction code: (D/E)  
Proper Shipping Name: TURPENTINE SUBSTITUTE

**Carriage by sea (shipping):**

IMO Class: 3 UN: 1300  
Packing Group: III  
Label: 3  
EMS: F-E, S-E  
Marine Pollutant: YES  
Proper Shipping Name: TURPENTINE SUBSTITUTE

**Transport by air:**

IATA: 3 UN: 1300  
Packing Group: III  
Label: 3  
Cargo:  
Packaging instructions: 366 Maximum quantity: 220 L  
Pass.:  
Packaging instructions: 355 Maximum quantity: 60 L  
Special Instructions: A3  
Proper Shipping Name: TURPENTINE SUBSTITUTE

**SECTION 15. Regulatory information.****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture.**

Seveso category: 9ii, 6

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006.

Product Point: 3 - 40

Substances in Candidate List (Art. 59 REACH): None.

Substances subject to authorisation (Annex XIV REACH): None.

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**SECTION 15. Regulatory information. ... / >>**

Substances subject to exportation reporting pursuant to (EC) Reg. 689/2008:  
None.

Substances subject to the Rotterdam Convention:  
None.

Substances subject to the Stockholm Convention:  
None.

Healthcare controls.

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

**15.2. Chemical safety assessment.**

No chemical safety assessment has been processed for the mixture and the substances it contains.

**SECTION 16. Other information.**

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

<b>Flam. Liq. 3</b>	Flammable liquid, category 3
<b>Asp. Tox. 1</b>	Aspiration hazard, category 1
<b>STOT SE 3</b>	Specific target organ toxicity - single exposure, category 3
<b>Aquatic Chronic 2</b>	Hazardous to the aquatic environment, chronic toxicity, category 2
<b>H226</b>	Flammable liquid and vapour.
<b>H304</b>	May be fatal if swallowed and enters airways.
<b>H336</b>	May cause drowsiness or dizziness.
<b>H411</b>	Toxic to aquatic life with long lasting effects.
<b>EUH066</b>	Repeated exposure may cause skin dryness or cracking.

Text of risk (R) phrases mentioned in section 2-3 of the sheet:

<b>R10</b>	FLAMMABLE.
<b>R51/53</b>	TOXIC TO AQUATIC ORGANISMS, MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.
<b>R65</b>	HARMFUL: MAY CAUSE LUNG DAMAGE IF SWALLOWED.
<b>R66</b>	REPEATED EXPOSURE MAY CAUSE SKIN DRYNESS OR CRACKING.
<b>R67</b>	VAPOURS MAY CAUSE DROWSINESS AND DIZZINESS.

**LEGEND:**

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit

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Page n. 8 / 8**SECTION 16. Other information. ... / >>**

- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation.

**GENERAL BIBLIOGRAPHY**

1. Directive 1999/45/EC and following amendments
2. Directive 67/548/EEC and following amendments and adjustments
3. Regulation (EC) 1907/2006 (REACH) of the European Parliament
4. Regulation (EC) 1272/2008 (CLP) of the European Parliament
5. Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament
6. Regulation (EC) 453/2010 of the European Parliament
7. Regulation (EC) 286/2011 (II Atp. CLP) of the European Parliament
8. The Merck Index. - 10th Edition
9. Handling Chemical Safety
10. Niosh - Registry of Toxic Effects of Chemical Substances
11. INRS - Fiche Toxicologique (toxicological sheet)
12. Patty - Industrial Hygiene and Toxicology
13. N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
14. ECHA website

**Note for users:**

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.