

## IOTA FLUID

### RATED AVERAGE CHARACTERISTICS

Saybolt Colour	ASTM D 156		+ 30
Specific gravity at 15 °C	ASTM D 1298	kg/ L	0,765
Viscosity at 40 °C	ASTM D 445	mm <sup>2</sup> /s	1,2
Flash point	ASTM D 93	°C	63
Distillation :	ASTM D 86		
-I.B.P.		°C	187
-F.B.P.		°C	210
Aromatic content	U.V.	ppm	43
Sulphur content	ASTM D 5453	ppm	< 1.0
Bromine Index	ASTM D 2710	mg/100 g	< 5
Aniline point	ASTM D 611	°C	81
KB Value	ASTM D 1133		27

The above typical value have to be considered as average value and do not represent specification .

Mod C089/A00 Rev. 1 10/13

**STORAGE** It 's avoided to storage the product outside. When drums are stored outside they must be laid horizontally to prevent product's pollution from water and moisture .

**SAFETY DATA SHEET****Name of product : IOTA FLUID****OLEOTECNICA S.p.A****SECTION 1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE**VERSION N°0 OF : 14<sup>th</sup> FEBRUARY 2013PRODUCT NAME : **IOTA FLUID**

REACH NUMBER : 01-2119456810-40

PRODUCT DESCRIPTION :

Used in mastic , glues, paints, stickers

**1. 3 IDENTIFICATION OF THE COMPANY**

OLEOTECNICA S.p.A.

VIA LEONARDO DA VINCI, 7

20090 SEGRATE (MI)

Telephone : 02/269011 office hours

SMDS Resp.

virtuani.laboratorio@oleotecnica.it

**1. 4 EMERGENCY PHONE – for Italy + 39**

Telephone +39 02/269011 office hours ( 8-12 -13.30 -17.30) Fax 02/26901400

**Phone your emergency Hospital nearest to you**

Milano : tel.02/66101029 ;Torino :011/6637637; Pavia 0382/24444 ;Padova 049/8275078;

Genova 010/5636245 ; Firenze :055/4277238;Roma : 06/3054343 -06/49970698;Napoli : 081/7472870– 081/5453333

**1. 2 RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST****Intended Use :** Solvent**Identified Uses :**

Distribution of substance

Formulation and (re)packing of substances and mixtures

Use in laboratories - Industrial

Use in laboratories - Professional

**Uses advised against:** This product is not recommended for any industrial, professional or consumer use other than the Identified Uses above.**SECTION 2 HAZARDS IDENTIFICATION****2.1. CLASSIFICATION OF SUBSTANCE OR MIXTURE****Classification according to Regulation (EC) No 1272/2008**

Aspiration toxicant: Category 1.

H304: May be fatal if swallowed and enters airways.

**Classification according to EU Directive 67/548/EEC / 1999/45 EC**

| Xn; R65 | R66 |

Harmful.

R65; Harmful: may cause lung damage if swallowed. R66; Repeated exposure may cause skin dryness or cracking.

**2.2. LABEL ELEMENTS**

Label elements according to Regulation (EC) No 1272/2008

Pictograms :

**Signal Word:** Danger



## SAFETY DATA SHEET

Name of product : IOTA FLUID

OLEOTECNICA S.p.A

**2. HAZARDS IDENTIFICATION****Hazard Statements:**

H304: May be fatal if swallowed and enters airways.

EUH066: Repeated exposure may cause skin dryness or cracking.

**Precautionary Statements:**

P210: Keep away from flames and hot surfaces. -- No smoking. P280: Wear protective gloves and eye / face protection.

P301 + P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P331: Do NOT induce vomiting. P332 + P313: If skin irritation occurs: Get medical advice/ attention. P370 + P378: In case of fire: Use water fog, foam, dry chemical or carbon dioxide (CO2) for extinction.

P403 + P235: Store in a well-ventilated place. Keep cool. P405: Store locked up.

P501: Dispose of contents and container in accordance with local regulations.

**Contains:** Hydrocarbons, C11-C13, isoalkanes, < 2% aromatics**2.3. OTHER HAZARDS**

Physical / Chemical Hazards: Material can accumulate static charges which may cause an ignition. Vapour accumulation could flash and/or explode if ignited. Combustible.

Health Hazards: May be irritating to the eyes, nose, throat, and lungs. Repeated exposure may cause skin dryness or cracking.

Environmental Hazards: No significant hazards. Material does not meet the criteria for PBT or vPvB in accordance with REACH Annex XIII.

**SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS**

3.1 SUBSTANCE : This material is a substance

DESCRIPTION	CAS N°	EC NUMBER	%	CLASSIF.GHS/CLP	CLASSIF.67/548EC
Hydrocarbons, C11-C13, Isoalkanes, < 2% aromatics (REACH N° : 01-2119456810-40 )		920-901-0	100	Asp. Tox. 1 H304, EUH066	Xn ; R65,R66

See Section 16 for full text of hazard statements

3.2 MIXTURE : Not applicable . This product is a substance

**SECTION 4 FIRST AID MEASURES****4.1. DESCRIPTION OF FIRST AID MEASURES****EYE CONTACT :**

Check for and remove any contact lenses .Immediately flush eyes with running water for at least 5 minutes, keeping eyelids open . If irritation persists, obtain medical advice from a specialist.

**SKIN CONTACT :**

Remove contaminated clothing and shoes . Wash contaminated skin thoroughly with plenty of water, using soap if available. If irritation persists, get medical attention. Accidental high pressure injection through the skin requires immediate medical attention. Do not wait for symptoms to develop. Wash with soap and water.

**INHALATION :**

At ambient/normal handling temperatures, inhalation of vapours is normally not a problem. If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If casualty is unconscious and: If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Obtain medical attention if casualty has an altered state of consciousness or if symptoms do not resolve. Immediately obtain specialist medical assessment and treatment for the casualty.

**SAFETY DATA SHEET****Name of product : IOTA FLUID****OLEOTECNICA S.p.A****4. FIRST AID MEASURES****INGESTION :**

Wash out mouth with water , DO NOT induce vomiting ; keep at rest and get medical attention if symptoms occur

**4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED**

No important symptoms or effects . Local necrosis as evidenced by delayed onset of pain and tissue damage a few hours after injection.

**4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED**

If ingested, material may be aspirated into the lungs and cause chemical pneumonitis. Treat appropriately

**PROTECTION OF FIRST- AIDERS :** No action shall be taken involving any personal risk or without suitable training .

See section 11 for more detailed information on health effects and symptoms .

---

**SECTION 5 FIRE-FIGHTING MEASURES****5.1. EXTINGUISHING MEDIA**

Suitable Extinguishing Media: Use water fog, foam, dry chemical or carbon dioxide (CO<sub>2</sub>) to extinguish flames.

Unsuitable Extinguishing Media: Straight streams of water

**5.1.2. SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE**

Hazardous Combustion Products: Smoke, Fume, Incomplete combustion products, Oxides of carbon

**5.2. ADVICE FOR FIRE FIGHTERS**

Fire Fighting Instructions: Evacuate area. Prevent run-off from fire control or dilution from entering streams, sewers or drinking water supply. Fire-fighters should use standard protective equipment and in enclosed spaces, self-contained breathing apparatus (SCBA). Use water spray to cool fire exposed surfaces and to protect personnel.

Unusual Fire Hazards: Combustible.

**FLAMMABILITY PROPERTIES**

Flash Point : > 61 °C [ASTM D-93]

Upper/Lower Flammable Limits (Approximate volume % in air): UEL: 7.0 LEL: 0.6 [Extrapolated]

Autoignition Temperature: > 200°C [Extrapolated]

---

**SECTION 6 ACCIDENTAL RELEASE MEASURES****6.1. PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES****NOTIFICATION PROCEDURES**

In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.

**PROTECTIVE MEASURES**

Avoid contact with spilled material. See Section 5 for firefighting information. See the Hazard Identification Section for Significant Hazards. See Section 4 for First Aid Advice. See Section 8 for advice on the minimum requirements for personal protective equipment. Additional protective measures may be necessary, depending on the specific circumstances and/or the expert judgment of the emergency responders. For emergency responders: Respiratory protection: half-face or full-face respirator with filter(s) for organic vapor and, when applicable, H<sub>2</sub>S, or Self Contained Breathing Apparatus (SCBA) can be used depending on the size of spill and potential level of exposure. If the exposure cannot be completely characterized or an oxygen deficient atmosphere is possible or anticipated, SCBA is recommended. Work gloves that are resistant to aromatic hydrocarbons are recommended. Note: gloves made of polyvinyl acetate (PVA) are not water-resistant and are not suitable for emergency use. Chemical goggles are recommended if splashes or contact with eyes is possible. Small spills: normal antistatic work clothes are usually adequate. Large spills: full body suit of chemical resistant, antistatic material is recommended.

**6.2. ENVIRONMENTAL PRECAUTIONS**

Large Spills: Dyke far ahead of liquid spill for later recovery and disposal. Prevent entry into waterways, sewers, basements or confined areas.

**6.3. METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP**

Land Spill: Stop leak if you can do so without risk. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Recover by pumping or with suitable absorbent.

Water Spill: Stop leak if you can do so without risk. Warn other shipping. Remove from the surface by skimming or with suitable absorbents. Seek the advice of a specialist before using dispersants.



## SAFETY DATA SHEET

Name of product : IOTA FLUID

OLEOTECNICA S.p.A

**6. ACCIDENTAL RELEASE MEASURES**

Water spill and land spill recommendations are based on the most likely spill scenario for this material; however, geographic conditions, wind, temperature, (and in the case of a water spill) wave and current direction and speed may greatly influence the appropriate action to be taken. For this reason, local experts should be consulted. Note: Local regulations may prescribe or limit action to be taken.

**6.4. REFERENCES TO OTHER SECTIONS**

See Section 8 and 13

---

**SECTION 7 HANDLING AND STORAGE****7.1. PRECAUTIONS FOR SAFE HANDLING**

Avoid contact with skin. Use proper bonding and/or earthing procedures. However, bonding and earthing may not eliminate the hazard from static accumulation. Prevent small spills and leakage to avoid slip hazard. Material can accumulate static charges which may cause an electrical spark (ignition source). When the material is handled in bulk, an electrical spark could ignite any flammable vapours from liquids or residues that may be present (e.g., during switch-loading operations). Use proper bonding and/or earthing procedures. However, bonding and earthing may not eliminate the hazard from static accumulation. Consult local applicable standards for guidance.

**7.2. CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES**

Compatibility with plastic materials can vary ; we therefore recommend that compatibility is tested prior to use .  
Suitable materials and coatings : carbon steel, stainless steel , polyethylene ,polypropylene, polyester, teflon

STORAGE TEMPERATURE : AMBIENT

TRANSPORT TEMPERATURE : AMBIENT

STATIC ACCUMULATOR : This material is a accumulator

The container choice, for example storage vessel, may effect static accumulation and dissipation. Do not store in open or unlabelled containers. Keep container closed. Handle containers with care. Open slowly in order to control possible pressure release. Store in a cool, well-ventilated area.

7.3. SPECIFIC END USES: Section 1 informs about identified end-uses. No industrial or sector specific guidance available.

---

**SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION****8.1. CONTROL PARAMETERS**

The use of mechanical dilution ventilation is recommended whenever this product is used in a confined space , is heated above ambient temperatures or otherwise to maintain ambient concentration below the recommended threshold exposure limits . Use explosion- proof ventilation equipment .

**OCCUPATIONAL EXPOSURE LIMITS**

Exposure limits ( ACGIH ) vapours : RCP- TWA : 1200 mg/m<sup>3</sup> ( 171 ppm)

DERIVED NO EFFECT LEVEL (DNEL)/DERIVED MINIMAL EFFECT LEVEL (DMEL)

**Worker**

Substance Name	Dermal	Inhalation
Hydrocarbons, C11-C13 ,isoalkanes, < 2% aromatics	NA	NA

**Consumer**

Substance Name	Dermal	Inhalation	Oral
Hydrocarbons, C11-C13, isoalkanes, < 2% aromatics	NA	NA	NA

**SAFETY DATA SHEET****Name of product : IOTA FLUID****OLEOTECNICA S.p.A****8. EXPOSURE CONTROLS / PERSONAL PROTECTION****PREDICTED NO EFFECT CONCENTRATION (PNEC)**

Substance Name	Aqua (fresh water)	Aqua (marine water)	Aqua (intermittent release)	Sewage treatment plant	Sediment	Soil	Oral (secondary poisoning)
Hydrocarbons, C11-C13, isoalkanes, < 2% aromatics	NA	NA	NA	NA	NA	NA	NA

**8.2 EXPOSURE CONTROLS****ENGINEERING CONTROLS**

The level of protection and types of controls necessary will vary depending upon potential exposure conditions. Control measures to consider: Adequate ventilation should be provided so that exposure limits are not exceeded. Use explosion-proof ventilation equipment.

**8.2.2 PERSONAL PROTECTION**

**HAND PROTECTION :** In open systems where contact is likely, wear safety goggles, chemical-resistant overalls, and chemically impervious gloves . Suitable gloves are neoprene ,nitrile or acrylonitrile -butadiene rubber or PVC.( Take notice of CEN 420/94,CEN 374/1-3/94 and CEN 388/94 )

**EYE PROTECTION :** Wear safety goggles/safe shield if splashes may occur. No other special precautions are necessary provided skin/eye contact is avoided.

**RESPIRATORY PROTECTION :** If engineering controls do not maintain airborne contaminant concentrations at a level which is adequate to protect worker health, an approved respirator may be appropriate. Respirator selection, use, and maintenance must be in accordance with regulatory requirements, if applicable. Types of respirators to be considered for this material include:

Half-face filter respirator Type A filter material, European Committee for Standardization (CEN) standards EN 136, 140 and 405 provide respirator masks and EN 149 and 143 provide filter recommendations.

For high airborne concentrations, use an approved supplied-air respirator, operated in positive pressure mode. Supplied air respirators with an escape bottle may be appropriate when oxygen levels are inadequate, gas/vapour warning properties are poor, or if air purifying filter capacity/rating may be exceeded.

**SKIN AND BODYPROTECTION :** Wear protective clothing if there is a risk of skin contact and change them frequently or when contaminated .

**HYGIENIC MEASURES :** Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**ENVIRONMENTAL CONTROLS**

Comply with applicable environmental regulations limiting discharge to air, water and soil. Protect the environment by applying appropriate control measures to prevent or limit emissions

**SAFETY DATA SHEET****Name of product : IOTA FLUID****OLEOTECNICA S.p.A****SECTION 9                      PHYSICAL AND CHEMICAL PROPERTIES**  
**9.1. INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES**

PHYSICAL STATE : liquid

ODOR : sweet odour hydrocarbon

pH : Not applicable

POUR POINT        ASTM D 97    : - 50 °C

TYPICAL BOILING POINT RANGE ESTIMATED VALUE : 170 ÷ 250 °C

FLASH POINT        ASTM D 93 :        65 °C

EXPLOSIVE LIMITS : LEL 0.6 ÷ UEL 7.0 Vol % approximately % in air

VAPOR PRESSURE AT 20 °C : &lt; 0.04 kPa ( 0.3 mmHg )

VAPOR DENSITY (air = 1 ) : &gt; 1 a 101 kPa

SOLUBILITY IN WATER AT 20 °C: Negligible

PARTITION COEFFICIENT ( n-octanol/water ) : No data available

AUTOIGNITION TEMPERATURE : &gt; 200 °C

DECOMPOSITION TEMPERATURE : No data available

VISCOSITY AT 40 °C    ASTM D 445        mm<sup>2</sup>/s : 1.4

EXPLOSIVE PROPERTIES : None

OXIDIZING PROPERTIES : None

**9.2 OTHER INFORMATION**

DENSITY AT 15 °C        ASTM D 1298        kg/L :        0,765 (approx.)

---

**SECTION 10                      STABILITY AND REACTIVITY**

10.1. REACTIVITY: See sub-sections below.

10.2. CHEMICAL STABILITY: Material is stable under normal conditions.

10.3. POSSIBILITY OF HAZARDOUS REACTIONS: Not expected.

10.4. CONDITIONS TO AVOID: Open flames and high energy ignition sources.

10.5. INCOMPATIBLE MATERIALS: Strong oxidizers

10.6. HAZARDOUS DECOMPOSITION PRODUCTS: Material does not decompose at ambient temperatures.



**SAFETY DATA SHEET****Name of product : IOTA FLUID****OLEOTECNICA S.p.A****SECTION 11 TOXICOLOGICAL INFORMATION****11.1 INFORMATION ON TOXICOLOGICAL EFFECTS****ACUTE TOXICITY**

**INHALATION :** (Rat) 8 hour(s) LC50 > 5000 mg/m<sup>3</sup> ( vapour ) Minimally toxic. Based on test data for structurally similar materials .Guideline OCSE 403

Negligible hazard at ambient/ normal handling temperatures .

Respiratory Sensitization: Not expected to be a respiratory sensitizer.

**SKIN : Toxicity (Rabbit):** LD50 > 5000 mg/kg: Minimally toxic. Based on test data for the material Guideline OCSE 402

Skin Corrosion/Irritation: Mildly irritating to skin with prolonged exposure . Based on test data for structurally similar materials Guideline OCSE 404

Sensitisation danger : Not expected to be a skin sensitizer. Based on test data for structurally similar materials. Guideline OCSE 406

**INGESTION :Toxicity (Rat):** LD50 > 5000 mg/kg Minimally toxic. Based on test data for the material Guideline OCSE 401

**EYE : Serious Eye Damage/Irritation :** May cause mild, short-lasting discomfort to eyes . Based on test data for structurally similar materials . Guideline OCSE 405

**Aspiration:** May be fatal if swallowed and enters airways. Based on physic-chemical properties of the material.

**CHRONIC EFFETS**

**Germ Cell Mutagenicity:** Not expected to be a germ cell mutagen. Based on test data for structurally similar materials Guideline OCSE 471 473 474 476 478 479

**Carcinogenicity:** Not expected to cause cancer. Based on test data for structurally similar materials Guideline OCSE 453

**Reproductive Toxicity:** Not expected to be a reproductive toxicant. Based on test data for structurally similar materials Guideline OCSE 414 421

**Lactation:** Not expected to cause harm to breast-fed children.

**Specific Target Organ Toxicity (STOT)**

Single Exposure: Not expected to cause organ damage from a single exposure.

Repeated Exposure: Not expected to cause organ damage from prolonged or repeated exposure Guideline OCSE 408 413 422.

**OTHER INFORMATION :**

Vapour concentrations above recommended exposure levels are irritating to the eyes and the respiratory tract, may cause headaches and dizziness, are anaesthetic and may have other central nervous system effects. Prolonged and/or repeated skin contact with low viscosity materials may defat the skin resulting in possible irritation and dermatitis. Small amounts of liquid aspirated into the lungs during ingestion or from vomiting may cause chemical pneumonitis or pulmonary edema.

**SECTION 12 ECOLOGICAL INFORMATION**

Adopt sound working practices , so that the product is not released into the environment .

**12.1 ECOTOXICITY :** Not expected to be harmful to aquatic organisms . Not expected to demonstrate chronic toxicity to aquatic organisms.

**12.2 PERSISTENCE AND DEGRADABILITY**

Biodegradation : Expected to be inherently biodegradable

Hydrolysis : Transformation due to hydrolysis not expected to be significant

Photolysis : : Transformation due to photolysis not expected to be significant

Atmospheric oxidation : Expected to degrade rapidly in air

**12.3 BIOACCUMULATIVE POTENTIAL** Not determined.

**12.4 MOBILITY IN SOL**

Highly volatile, will partition rapidly to air . Not expected to partition to sediment and wastewater solids .

**12.5 PERSISTENCE, BIOACCUMULATION**

This product is not, or does not contain, a substance that is a PBT or a vPvB.

**12.6 OTHER ADVERSE EFFECTS**

No adverse effects are expected

**VOC :** yes





## SAFETY DATA SHEET

Name of product : IOTA FLUID

OLEOTECNICA S.p.A

## 12. ECOLOGICAL INFORMATION

## 12.7 ECOLOGICAL DATA

## Ecotoxicity

Test	Duration	Organism Type	Test Results
Aquatic - Acute Toxicity	48 hour(s)	Daphnia magna	EL0 1000 mg/l: data for similar materials
Aquatic - Acute Toxicity	72 hour(s)	Pseudokirchneriella subcapitata	EL0 1000 mg/l: data for similar materials
Aquatic - Acute Toxicity	72 hour(s)	Pseudokirchneriella subcapitata	NOELR 1000 mg/l: data for similar materials
Aquatic - Acute Toxicity	96 hour(s)	Oncorhynchus mykiss	LL0 1000 mg/l: data for similar materials
Aquatic - Chronic Toxicity	21day(s)	Daphnia magna	NOELR 1 mg/l: data for the material

## Persistence, Degradability and Bioaccumulation Potential

Media	Test Type	Duration	Test Results: Basis
Water	Ready Biodegradability	28 day(s)	Percent Degraded 31.3 : similar material

## SECTION 13 DISPOSAL CONSIDERATIONS

## 13.1. WASTE TREATMENT METHODS

Empty drums should be taken for recycling , recovery or disposal through a suitably qualified or licensed contractor . Collect and dispose of waste product at an authorised disposal facility , in conformance with national and local regulations and in accordance with EEC Directives on the disposal of waste oil. Do not pressurise, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. they may explode and cause injury or death.

European Waste Code : 130205

NOTE :These codes are assigned based upon the most common uses for this material and may not reflect contaminants resulting from actual use . Waste producers need to assess the actual process used when generating the waste and its contaminants in order to assign the proper waste disposal code .

This material is considered as hazardous waste pursuant to Directive 91/689 ECC on hazardous waste, and subject to the provisions of that Directive unless article1(5) of that Directive applies .

## SECTION 14 TRASPORT INFORMATION

## INTERNATIONAL TRANSPORT REGULATIONS

## 14.1-14.2 ROAD AND RAIL TRANSPORT ( ADR/ RID )

It is not dangerous for conveyance

## 14.3 ADN/R CLASS :

UN (or ID) Number: 9003

UN Proper Shipping Name (Technical Name): SUBSTANCES WITH 60°C &lt; f.p.&lt;= 100 °C (Isoundecanes)

Transport Hazard Class(es): 9

Packing Group: (N/A)

Environmental Hazards: None

Special Precautions fousers: Label(s) /

Mark(s): 9 (F)

Transport Document Name: 9003, SUBSTANCES WITH 60°C &lt; f.p.&lt;= 100 °C (Isoundecanes), 9 (F)

14.4 SEA TRANSPORT ( IMO/IMDG ) Not Regulated for Sea Transport according to IMDG-Code

14.5 SEA (MARPOL 73/78 Convention - Annex II):

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Substance Name: NOXIOUS LIQUID, N.F., (9) N.O.S., (Iota fluid, contains iso and cycloalkanes (C12+))

Ship type required: 3 Pollution category: Z

14.6 AIR TRANSPORT ( ICAO/IATA )

It is not dangerous for conveyance

**SAFETY DATA SHEET****Name of product : IOTA FLUID****OLEOTECNICA S.p.A****SECTION 15 REGULATORY INFORMATION****15.1. SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE**

Applicable EU Directives and Regulations:

1907/2006 [... on the Registration, Evaluation, Authorization and Restriction of Chemicals ... and amendments thereto]  
98/24/EC [... on the protection of workers from the risk related to chemical agents at work ...]. Refer to Directive for details of requirements  
1272/2008 [on classification, labeling and packaging of substances and mixtures.. and amendments thereto]  
Refer to the relevant EU/national regulation for details of any actions or restrictions required by the above Regulation(s)/Directive(s).  
2004/42/CE [on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products and amending Directive 1999/13/EC.]

**15.2 CHEMICAL SAFETY ASSESSMENT :**

REACH Information : A Chemical Safety Assessment has been carried out for the substance(s) that makes/make up this material or for the material itself.

EU Regulation n° 1907/2006 Annex XIV –List of substances subject to authorisation

Substances of very high concern : None of the components are listed

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles : Not applicable

This product is VOC

ISS code : IOTFLU

CAS N : 90622-58-5

**SECTION 16 OTHER INFORMATION****CLASSIFICATION AND LABELLING ACCORDING TO REGULATION EC 1907/2006 :**

Classification and labelling have been determined according to EU Directives 67/548 EEC and 1999/45 EC (including amendments ) and take into account the intended product use .

RISK PHRASES : | Xn; R65 | R66 |

Harmful.

R65; Harmful: may cause lung damage if swallowed. R66; Repeated exposure may cause skin dryness or cracking.

**CLASSIFICATION AND LABELLING ACCORDING TO REGULATION EC 1272/2008 :**

Classification and labelling have been determined according to Regulation EC 1272/2008 (including amendments ) and take into account the intended product use .

Product use : Industrial applications

**Hazard Statements:**

H304: May be fatal if swallowed and enters airways.

EUH066: Repeated exposure may cause skin dryness or cracking.

**Precautionary Statements:**

P210: Keep away from flames and hot surfaces. -- No smoking. P280: Wear protective gloves and eye / face protection.

P301 + P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P331: Do NOT induce vomiting. P332 + P313: If skin irritation occurs: Get medical advice/ attention. P370 + P378: In case of fire: Use water fog, foam, dry chemical or carbon dioxide (CO2) for extinction.

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

P405: Store locked up.

P501: Dispose of contents and container in accordance with local regulations

**SAFETY DATA SHEET****Name of product : IOTA FLUID****OLEOTECNICA S.p.A****16. OTHER INFORMATION**

Abbreviations and acronyms :

ATE : Acute Toxicity Estimate  
DNEL : Derived No Effect Level  
PNEC : Predicted No Effect Concentration  
PBT : Persistente, Bioaccumulabile, Tossico  
vPvB : very Persistente, very Bioaccumulabile  
SVHC : Substances of Very High Concern  
VOC : Composto Organico Volatile  
ISS : Istituto Superiore della Sanità  
LC : Lethal Concentration  
LD : Lethal Dose  
LL: Lethal Loading  
EC : Effective Concentration  
EL : Effective Loading  
NOEC : No Observable Effect Concentration  
NOELR : No Observable Effect Loading Rate

REFERENCES: Sources of information used in preparing this SDS included one or more of the following: results from in house or supplier toxicology studies, CONCAWE Product Dossiers, publications from other trade associations, such as the EU Hydrocarbon Solvents REACH Consortium, U.S. HPV Program Robust Summaries, the EU IUCLID Data Base, U.S. NTP publications, and other sources, as appropriate.

KEY TO THE RISK CODES :

R65; Harmful: may cause lung damage if swallowed.  
R66; Repeated exposure may cause skin dryness or cracking.

The information contained here is based on our state of knowledge at the above-specified date . It refers only to the product indicated and constitutes no guarantee of particular quality . It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended .

REVISION SUMMARY

DATE OF PREVIOUS ISSUE : No previous validation

VERSION : 0

This MSDS cancels and replaces any preceding release .It conforms to REACH Annex II (EU n° 453/2010 )

**ANNEX**

Annex not required for this material.

**BUREAU VERITAS**  
Certification



## **OLEOTECNICA SPA**

Galleria Unione, 1 - 20122 MILANO (MI) - ITALY

**Certified site:**

Via Leonardo Da Vinci, 7 – 20090 SEGRATE (MI) - ITALY

*Bureau Veritas Italia S.p.A. certifies that the Management System of the above organization has been audited and found to be in accordance with the requirements of the management system standards detailed below*

## **ISO 9001:2015**

### *Scope of certification*

Design and production of lubricants and mineral oils, process oils, solvents, greases and commercialization of other third party lubricants products.

IAF sector(s): **12, 29**

Original cycle start date: **22 June 2016**

Expiry date of previous cycle: **21 June 2019**


Certification / Recertification Audit date: **18 June 2019**

Certification / Recertification cycle start date: **21 June 2019**

Subject to the continued satisfactory operation of the organization's Management System, this certificate expires on: **21 June 2022**

Certificate No. - Version: **IT268476-1**

Revision date: **21 June 2019**

  
**ANDREA FILIPPI** - Local Technical Manager

Certification body address:  
Bureau Veritas Italia S.p.A., Viale Monza, 347 - 20126 Milano, Italia

Further clarifications regarding the scope of this certificate and the applicability of the management system requirements may be obtained by consulting the organization. To check this certificate validity please refer to the website [www.bureauveritas.it](http://www.bureauveritas.it)

**ACCREDIA**   
L'ENTE ITALIANO DI ACCREDITAMENTO

SGQ N° 009A

Membro degli Accordi di Mutuo Riconoscimento EA, IAF e ILAC  
Signatory of EA, IAF and ILAC mutual Recognition Agreements