Safety Data Sheet

1. Identification of the substance / preparation and the Company

1.1 Identification of the substance or preparation

Code: **F28**
Product name **ACQUA DEGREASER**

1.2 Use of the substance / preparation

1.3 Company identification

Name **LOGGIA INDUSTRIA VERNICI S.r.l.**
Full address **VIA Colle d'Alba di Levante - B.go S. Donato**
District and Country **04016 SABAUDIA (LT)**
ITALIA
Tel. +39-0773-562212
Fax +39-0773-562034
e-mail address of the competent person responsible for the Safety Data Sheet **laboratorio@loggia.it**

Product distribution by **Loggia Industria Vernici S.r.l.**

1.4 Emergency telephone

For urgent inquiries refer to **Centro Antiveleni - Università di Roma, Policlinico Umberto I tel. +39-06-490663**

2. Hazards Identification.

2.1 Substance/Preparation Classification.

This product is dangerous under 67/548/EEC and 1999/45/EC directives and subsequent amendments. Therefore, this product requires a safety data sheet according to the Regulation (EC) 1907/2006 and subsequent amendments. Further information on health and/or environmental hazards can be found in sections 11 and 12 of this sheet.

R phrases: 10

2.2 Danger Identification.

Because of its chemical-physical features, this product is graded as flammable (flash-point 21 °C or higher and 55 °C or lower).

3. Composition / Information on ingredients.

Contains:

Name.		Concentration % (C).	Classification.
1-METHOXY-2-PROPANOL		13,5<= C <15	R 10
C.A.S. number	107-98-2		
EC number	203-539-1		
INDEX number	603-064-00-3		

The complete text of -R- phrases is specified in section 16.

4. First aid measures.

No harm to the staff authorised to use has been reported. However, in case of contact, inhalation or ingestion, the following general measures provided for a first aid shall be taken.
INHALATION: remove to open air. If respiration is difficult, administer artificial respiration and seek medical advice.
INGESTION: seek medical attention. Induce vomiting only if indicated by the doctor. Never give anything by mouth to an unconscious person.
EYES and SKIN: wash with plenty of water; if the irritation persists, seek medical advice.

5. Fire-fighting measures.

GENERAL INFORMATION
Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health.
Excess pressure may form in containers exposed to fire at a risk of explosion. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water and the remains of the fire according to applicable regulations.
SUITABLE EXTINGUISHING MEDIA
The extinction equipment should contain carbon dioxide, foam or chemical powders. For product leaks and spills that have not caught fire, nebulised water can be used to dispel flammable fumes and protect the individuals taking part in stemming the leak.
EXTINGUISHING MEDIA WHICH SHALL NOT BE USED FOR SAFETY REASONS
Do not use jets of water. Water is not effective for putting out fires but can be used to cool containers exposed to flames to prevent explosions.
HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE
Do not breathe combustion products (carbon oxide, toxic pyrolysis products, etc).
SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS
Hardhat with visor, fireproof clothing (fireproof jacket and trousers with ties around arms, legs and waist) work gloves (fireproof, cut proof and dielectric), self-respirator (self-protector).

6. Accidental release measures.

PERSONAL PRECAUTIONS
Eliminate all sources of ignition (cigarettes, flames, sparks, etc.) from the leakage site. If there are no contraindications, spray solid products with water to prevent the formation of dust. Use breathing equipment if fumes or powders are released into the air. Block the leakage if there is no hazard. Do not handle damaged containers or the leaked product before donning appropriate protective gear. For information on risks for the environmental and health, respiratory tract protection, ventilation and personal protection equipment, see the other sections of this sheet.
ENVIRONMENTAL PRECAUTIONS
The product must not penetrate the sewers, surface water, ground water and neighbouring areas.
METHODS FOR CLEANING UP
Use inert absorbent material (sand, vermiculite, diatomeous earth, Kieselguhr, etc.) to soak up leaked product. Collect the majority of the remaining material and deposit it in containers for disposal. If there are no contraindications, use jets of water to eliminate product residues. Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

7. Handling and storage.

Store in a well ventilated place, keeping the containers closed when not used. Do not smoke while handling. Keep far away from sources of heat, bright flames and sparks and other sources of ignition.

8. Exposure control / personal protection.

8.1 Exposure limit values.

Name	Type	Country	TWA/8h mg/m3	ppm	STEL/15min mg/m3	ppm	
1-METHOXY-2-PROPANOL	TLV-ACGIH		369		553		Skin
	OEL	EU	375	100	568	150	Skin
	OEL	IRL		100		300	Skin
	WEL	UK		100		150	Skin

8.2 Exposure controls.

RESPIRATORY PROTECTION.
If workplace maximum concentration thresholds are exceeded, wear a facemask covering the nose and mouth (see standard EN 141).For high concentrations in the workplace or in the case of an emergency, when exposure levels are unknown, wear an open circuit compressed air

self-respirator (see standard EN 137) or an external air intake respirator with mask, partial mask or snorkel (see standard EN 138).
HAND PROTECTION
Protect hands with category I (ref. Directive 89/686/EEC and standard EN 374) work gloves, such as those in latex, PVC 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
Use of protective airtight goggles (ref. standard EN 166) recommended.
SKIN PROTECTION
Wear category I 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.

9. Physical and chemical properties.

Solubility		soluble in water	
Odour		odourless	
physical state		liquid	
colour		colourless	
pH.		Not available.	
Boiling point.		Not available.	
Flash point.	>	21 °C.	
Explosive properties.		Not available.	
Vapour pressure.		Not available.	
Specific gravity.		0,980- 1,000	Kg/l

10. Stability and reactivity.

The product is stable in normal conditions of use and storage. When heated or in the event of a fire, carbon oxides may be released and vapours which are dangerous to health. The vapours may also form explosive mixtures with the air.

1-methoxy 2-propanol absorbs and dissolves in water and in organic solvents; it dissolves different plastic material; it is stable but in the presence of air it can gradually form explosive peroxides when heated and may react with strong oxidizing agents and acids. It should be biodegradable.
Stainless steel is suitable while copper and aluminium are not.

11. Toxicological information.

According to currently available data, this product has not yet produced health damages. Anyway, it must be handled carefully according to good industrial practices. This product may have slight health effects on sensitive people, by inhalation and/or cutaneous absorption and/or contact with eyes and/or ingestion.

1-methoxy-2-propanol and corresponding acetate: the main way of entry is the skin, whereas the respiratory way is less important owing to the low vapour tension of the product. Concentrations above 100 ppm cause eye irritation, nose and oropharynx.
The recommended limit of exposure is 100 ppm for 8 hours. At 1000 ppm disturbance in the equilibrium and severe eye irritation is observed. (For further details refer to INRS, Fiche toxicologique, nr. 221).
Clinical and biological examinations carried out on exposed volunteers revealed no anomalies. Acetate produces greater skin and ocular irritation on direct contact. No chronic effects have been reported in man. In vitro genotoxicity tests on animals resulted to be negative.
No significant effects were observed in studies on animal reproduction.
The following experimental data confirm that the substance is not even harmful: oral LD50 in the rat = 7900 mg/kg, inhalation CL50 in the rat 4 hours = 55.2 mg/l (Fiche toxicologique nr. 221).

12. Ecological information.

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or sewers or contaminate soil or vegetation.

13. Disposal consideration.

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.
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.

14. Transport information.

Road and rail transport:

ADR/RID Class:	3	UN:	1263
Packing Group:	III		
Label:	3		
Nr. Kemler:	30		
Proper Shipping Name:	Paint or paint related material solution		
Special Provision:	640E		

Carriage by sea (shipping):

IMO Class:	3	UN:	1263
Packing Group:	III		
Label:	3		
EMS:	F-E	S-E	
Proper Shipping Name:	Paint or paint related material solution		

Transport by air:

IATA:	3	UN:	1263
Packing Group:	III		
Label:	3		
Cargo:			
Packaging instructions:	310	Maximum quantity:	220 L
Pass.:			
Packaging instructions:	309	Maximum quantity:	60 L
Special Instructions:	A3, A72		

15. Regulatory information.

Warning symbols: None.

R 10 FLAMMABLE.

S 43 IN CASE OF FIRE, USE . . . (INDICATE IN THE SPACE THE PRECISE TYPE OF FIRE-FIGHTING EQUIPMENT. IF WATER INCREASES RISK, ADD - 'NEVER USE WATER`).

Danger labelling under directives 67/548/EEC and 1999/45/EC and following amendments and adjustments.

16. Other information.

Text of -R- phrases quoted in section 3 of the sheet.

R 10 FLAMMABLE.

GENERAL BIBLIOGRAPHY
1. Directive 1999/45/EC and following amendments;
2. Directive 67/548/EEC and following amendments and adjustments (technical adjustment XXIX);
3. Regulation (EC) 1272/2008 (CLP) of the European Parliament;
4. Regulation (EC) 1907/2006 (REACH) of the European Parliament;
5. The Merck Index. - 10th Edition;
6. Handling Chemical Safety;
7. Niosh - Registry of Toxic Effects of Chemical Substances;
8. INRS - Fiche Toxicologique (toxicological sheet);
9. Patty - Industrial Hygiene and Toxicology;
10. N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition;

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.