

## SECURITY CARD

# PERSIAN ECOFLU WHITE

1di8  
emessa il: 20/11/2006  
Stampata il:

### 1) IDENTIFICATION OF PRODUCT AND COMPANY

Name of product:  
Use and description:  
Identification of Society:  
Distributor zone:  
Poison center, University LA SAPIENZA - Roma : 06 490663 ( only for dangerous products).



*Ecoflu White (code 2006 Eco Flu White)*  
*Anti Freeze liquid for autom. and alimentary service plants*  
*Consorzio Petrolieri dell'alta Italia - via Mazzini, 7 - UDINE*  
*TEL. 055 319554 - FAX 055 316441*

### 2) COMPOSITION / INFORMATION ON COMPONENTS

Chemical characteristics:

*Inhibited propylene glycol.*  
*Propan 1,2- Diolo 95% (w/w)*

BASE OILS	N.CAS	N. EINECS
Mineral oil	57-65-6	200-388-0
Mineral oil		
Mineral oil		

Free of PCB and % PCA Less than 3%  
Dangerous Ingredients:

*Product free of dangerous substances*

DENOMINATION	% MAX	SIMBOLS	FRASI R	N. EINECS	N. CAS
Alchiliditiofosfato di zinco					
Polyolefin polyamine					
Succinimide					
LOB Calcium long chain					
Alkarylsulphonate					
Long chain fatty amines					

### 3) IDENTIFICATION OF HAZARDS

3.1 GENERAL

*The product, under normal conditions of use and adopting necessary precautions, presents no particular risks for the user.*

3.2 PHYSICAL - CHEMICAL DANGER

*The product can burn if heated to a temperature above its flash point (see point 9).*

3.3 HEALTH HAZARDS

*It is best to avoid prolonged and repeated contact that in case of poor personal hygiene, can cause redness, irritation and dermatitis of the skin. Contact with eyes can cause irritation. Ingestion-accidents and the subsequent vomiting may cause damage to the digestive tract and lung diseases. Inhalation of mists and vapors can cause irritation of the respiratory system (negligible risk at room temperature environment).*

3.4 ENVIRONMENTAL DANGER

*The product is **not biodegradable**, therefore, could be a potential source of soil and water pollution (see point 12).*

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### 4) FIRST AID MEASURES

Eye contact: *Rinse immediately with plenty of water.*  
Skin contact: *Wash immediately and thoroughly with soap and water.*  
Inhalation: *In the event of exposure to highly concentrated oil mists carry the injured to fresh air.*  
Ingestion: *Do not induce vomiting. Call a doctor.*  
*Guidelines for the doctor* *If you suspect that aspiration or ingestion has occurred carry the injured to fresh air.*

### 5) FIRE-FIGHTING MEASURES

Extinguishing appropriate: *Carbon dioxide, dust, foam.*  
Extinguishing not to use: *Jets of water.*  
Particular Hazard of exposure: *Fire: Smoke, carbon oxides formation nitrogen oxides and sulfur oxides and other incomplete combustion products. Exposed to flame, the product may develop toxic fumes or vapors that could cause headaches dizziness, respiratory irritation and a limit of respiratory collapse.*  
Equipment for staff: *Breathing apparatus.*  
Precautions: *It is preferable that specially trained personnel spray the jets of water. Use water nebulizer to protect personnel and to cool the surfaces exposed to fire. Spilled material that has not caught should be covered fire with foam and earth.*  
Risk of fire and explosion: *Cool with water containers not involved with fire.*

### 6) PROCEDURES IN CASE OF ACCIDENTAL SPILL

GENERAL: *Eliminate sources of ignition. If in a closed area, Ventilate the environment. If possible prevent leakage before it occurs. Prevent fluid from flowing into waterways or sewerage systems, and accumulate in confined spaces. Advise the proper authorities in accordance with existing local regulations.*  
Individual Precautions: *Avoid contact with skin, eyes and clothing, by wearing gloves and personal protective clothing. Protect respiratory tract.*  
Environmental precautions: *Prevent the material from flowing into drains, surface and underground water sources. If the product flows to a water source, into the drainage system or has contaminated soil or vegetation, notify the local authorities (Fire department, Police)*  
Methods of cleaning and collection: *For minor losses to ground surfaces, and to avoid further loss cover the area with sand, earth or other absorbent material (es. PERSIAN DRY SOL). For larger contaminated areas cover the product with sand, earth or other absorbent materials. Mark out the contaminated area. Collect the product by suitable means (pumps or other intake systems) and transfer the products in a storage rescue tank or tanks for reuse or disposal, if possible, in accordance with local regulations. For spillage of the product in waters, remove from the surface with mechanical or absorbing methods. Collect the product in special waterproof containers and dispose.*

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### 7) HANDLING AND STORAGE

Handling:

*Due to the products low vapor pressure at room temperature environment, there are not any special problems of pollution of the environment. Open the container in a cool and ventilated area. Avoid breathing any fumes. Keep containers closed when not in use, use adequate containers when moving. Avoid direct contact during refilling. While working, do not eat or drink. The empty container contains residue of some product that presents the same risks of the product, IT MUST NOT BE LOST TO THE ENVIRONMENT. Temperature loading / unloading: from room to 65 °C.*

Storage:

*Store the container upright, away from sunlight and away from heat sources, in a covered and ventilated area. If the product available in bulk, transfer it into tanks/containers as by law and constructed of materials and coatings suitable (carbon steel, stainless steel, polyethylene, polypropylene propylene, Teflon). The product poses no risk of accumulating electrostatic, nevertheless in handling and storage, use appropriate grounding systems. Storage temperature from room to 65 °C.*

### 8) EXPOSURE CONTROL AND INDIVIDUAL PROTECTION

EXPOSURE LIMITS VALUES

#### MOST SIGNIFICANT EXPOSURE VALUES

INDEX	SUBSTANCE	VALUE	UNIT	REFERENCE
TVL TWA TVL STEL PEL (OSHA)	Oil Products	5	mg/m3	A.C.I.G.H. 2002

Recommened Monitoring procedure: refer to D Lgs 25/2002

EXPOSURE CONTROL

*When concentrations of the product in air exceed exposure Limits listed above and the operating procedures and other means to reduce exposure result insufficient, it may be necessary to use of personal protective equipment.*

TECHNICAL PRECAUTIONS

*Avoid the formation of vapors and mist by the product.*

GENERAL PRECAUTIONS

*Use DPI conformed to D.M. of 02.05.01*

RESPIRATORY

*Not required under normal conditions of use where concentrations in air exceeds the limits set forth in this section and if the work place does not have adequate means to limit the exposure of vapors, then other means are needed for Respiratory Protection.*

HANDS

*Use work gloves rubber, neoprene, PVC.*

EYES

*Use security glasseS.*

SKIN

*Use proper work clothes preferably made with adequate materials.*

HYGIENE

*Avoid contact with skin and eyes. Do not eat, drink or smoke with the hands dirty with the product. It is advisable to maintain good personal hygiene and clean work wear. Do not reuse clothing that are still contaminated.*

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### 9) PHYSICAL AND CHEMICAL PROPERTY

Physical appearance at 20°C	<i>Liquid</i>	<i>Visible</i>
Colour ASTM d 1500	<i>Colourless</i>	<i>Visible</i>
Vapor density (air=1)	<i>2,6</i>	
pH to 50% in water	<i>9</i>	
Boiling point:	<i>160°C at mmHg</i>	
Freezing point	<i>-60°C</i>	
Flash point	<i>106°C</i>	<i>ASTM D92</i>
Vapor pressure	<i>10 Pa to 20°C</i>	<i>ASTM D 1298</i>
Flash limit	<i>inf. 2,6% - sup. 12,6%</i>	
Self-ignition temperature DIN 51794	<i>429°C</i>	<i>DIN 51794</i>
Water solubility	<i>Complete</i>	
Miscibility in solvents	<i>Mixable with alcohol, acetone and glycol esters</i>	
Density at 15°C	<i>1,04</i>	<i>ASTM D 1298</i>

### 10) STABILITY AND REACTIVITY

Stability	<i>Stable under normal operating conditions.</i>
Stabilizer	<i>Not requested</i>
Materials to avoid	<i>Oxidizing agents</i>
Dangerous reactions	<i>Avoid to avoid, high temperature, Exothermic reactions do not occur.</i>
Decomposition Products	<i>Carbon Oxides, unburned Hydrocarbon fumes and other products of unburned combustion.</i>
Dangerous substances after decomposition	
Decomposition with water contact	<i>Not evident</i>
Degradation with formation of instable products	<i>Not evident</i>
Variation aspect	
Change of aspect of product	<i>Not evident</i>

### 11) TOXICOLOGICAL INFORMATION

#### ACUTE TOXICITY

INDEX	BY	ANIMAL	LIMIT	UNIT
LD50	Oral	Rat	>2000 (*)	mg/Kg
LD50	Skin	Rabbit	>2000 (*)	mg/Kg
LC50	Inhalation	Rat	>5	mg/l/4h

(\*) Estimated value

#### HARMFUL AFFECTS WHEN EXPOSED TO PRODUCT

For inhalation:	<i>At room temperature there are no risks if inhaled. Avoid breathing vapors and / or mist of concentrated oil. It could irritate mucous membranes and respiratory tract.</i>
For ingestion:	<i>The product if ingested can cause irritation of the digestive system with vomiting, nausea and diarrhea.</i>
For skin contact:	<i>Not irritating. Repeated and prolonged exposure may cause irritation of the skin or dermatitis.</i>
For eye contact:	<i>Not irritating. Repeated contact may cause irritation.</i>

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CRONIC HARMFULNESS  
DELAYED OR IMMEDIATE EFFECTS  
FOLLOWING BRIEF OR PROLONGED CONTACT

SENSITIVENESS	<i>None, to the best of knowledge</i>
CARCINOGENIC	<i>None, to the best of knowledge</i>
MUTAGENIC	<i>None, to the best of knowledge</i>
HARMFULL FOR REPRODUCTION	<i>None, to the best of knowledge</i>
TERATOGENIC	<i>None, to the best of knowledge</i>
NARCOTIC	<i>None, to the best of knowledge</i>

### **12) ENVIRONMENTAL INFORMATION**

Degradability (regarding product) *This product is not bio degradable*

In case of contamination with sewage, the user must comply with the provisions of Law. In case of larger contamination, before discharging in sewage system, remove oil by appropriate chemical and physical methods.  
The information below is given for substances present in the product classified as harmful for the environment.

MOBILITY	<i>Data not available</i>
DEGRADABILITY	<i>Data not available</i>
POTENTIAL BIO ACCUMULATION	<i>Data not available</i>
ECO TOXICITY:	
Water born organisms (fish) LC 50/96h	<i>Data not available</i>
Daphnia (algae) EC 50/72h	<i>Data not available</i>

OTHER NEGATIVE EFFECTS  
Effects on waste water treatment plants *Data not available*

### **13) WASTE TREATMENT CONSIDERATIONS**

Method of waste treatment: *Do as by national regulations (DPR 915 of 10.09.82, DPR 691 of 23.08.82 Laws 475 of 09.11.88 and eventual disposition for special treatment of waste.*

Contaminated package: *After removing residual product and its label it must be treated as waste.*

CATASTO DEI RIFIUTI: *Code CIR ----- - CER -----The classification is relative to new products and are supplied only to make it easier for correct identification code after its use and for temporary storage.*  
[In case of need look for:](#)  
[Consorzio Obbligatorio Oli Usati](#)  
tel. 06 596931 - fax 06 5413432

### **14) TRANSPORT INFORMATION**

THE PRODUCT DOES NOT CONTAIN RISKS FOR TRANSPORTATION

DENOMINATED ONU:	<i>Not classified.</i>
ONU NUMBER	<i>Not classified.</i>
CLASS ADR (by road):	<i>Not classified.</i>
CLASS RID (by rail):	<i>Not classified.</i>
CLASS IMO (by sea):	<i>Not classified.</i>
CLASS ICAO/IATA (by air):	<i>Not classified.</i>

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### **15) INFORMATION ON REGULATION**

#### CLASSIFICATIONS:

Product is NOT classified according to Legislative Decree no. 03.03.97 and 52 of Legislative Decree no. 285, 16.07.98, Directives 1999/45/EC, 2001/58/EC, 2001/59/EC, 2001/60/EC and its related regulations and rules relating to the classification of packaging and labeling of dangerous substances and preparations.

The mineral base oils used have an extracted value in dimethyl sulfoxide (DMSO) as determined by method IP 346 less than 3%. They are therefore not classified as carcinogens according to EU Directive 1999/45/EC known L (21 ° adaptation to technical progress Directive 67/548/EC) and in accordance with the Annex I / A Ministerial Decree of April 10, 2000 XXIV and XXV of the adjustment-Directive 67/548/EC.

The base minerals used are not classified as dangerous because 'the content of hydrocarbons is lower than those fixed by Annex I to the Ministerial Decree Updated 28/04/97 XXII Adaptation to Technical Progress of Directive 67/548CE.

#### LABELLING:

COMMERCIAL NAME	<i>Eco Flu White</i>
SYMBOLS:	<i>None</i>
RISK TERMS R	<i>"R" eye irritation</i>
ADVISE ON CARE S	<i>S2 (keep away from children)</i>

#### RULE REFERENCE

D.P.R. N. 547/1955	<i>Regulations for the prevention of occupational accidents and subsequent changes and additions.</i>
D.P.R. N. 303/1956	<i>General rules for workplace health and subsequent amendments and additions (Case No risk 47).</i>
LAW N. 319/1976	<i>Standards for the protection of waters against pollution and subsequent updates.</i>
LABOUR MINISTRY CIRCULAR N. 7RL/20797/RL-5-960 10/12/1994 RULE 29/07/1994	<i>Labeling "mineral oils" for products intended for metal cutting. Transposition of EU Directives relating to restrictions, placing market and use of certain dangerous substances and preparations.</i>
LDN 626/1994 AND SUCCESSIVE MODIFICATIONS AND INSERTIONS	<i>"Implementation of Directives 89/391/EEC, 89/654/EEC, 89/655/EEC 89/656/EEC, 90/269/EEC, 90/270/EEC, 90/394/EEC, 90/679/EEC, 93/88/EEC, 95/63/EC, 97/42/EC, 98/24/EC, concerning the improvement the safety and health of workers at work.</i>
DPR 336/94 DL.N 22/1997	<i>Tables of occupational diseases in industry. Implementation of EEC directives on waste, hazardous waste, packaging and subsequent amendments and additions (Legislative Decree 389/1997 and Decree No 145/1998).</i>
D.L. N 52/1997	<i>Implementation of EEC directives concerning classification, packaging and labeling of dangerous substances and subsequent further amendments and additions (Decree No. 90/1998).</i>
LAW 04/04/1997	<i>Implementation of Art. 25 of Legislative Decree 52/1997 concerning the classification, packaging and labeling of dangerous substances, relatively you to an information security.</i>
DL N. 10/1997	<i>Implementation of EU Directives relating to personal protective individual and successive modifications and integrations.</i>
REGULATION 98/8 CEE OF 16/02/1998 DM 28/04/1997	<i>Concerning the placing of biocidal implementation of art.37 of Law Decree 52/1997 concerning the classification, packaging and labeling of dangerous substances.</i>

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DL N. 285/1998	<i>Implementation of EU directives on classification and labeling of dangerous preparations in accordance with art. 38 of Law 128/1998.</i>
DL N. 152 of 11/05/1999	<i>Provisions on the protection of waters against pollution (transposition to Directive 91/271/EEC).</i>
REGULATION 07/07/1999	<i>Transposition of the XXIX Adjustment (Directive 98/73/EC) Dir. 67/548/EEC on the classification., packing., labeling hazardous substances.</i>
DL 17/08/1999 N. 334	<i>Implementation of Directive 96/82/EC on the control of hazards of major accidents involving dangerous substances.</i>
REGULATION 1999 45/CE	<i>Approximation to the laws, regulations and administrative-ministers of the Member States relating to the classification, packaging packaging and labeling of dangerous substances.</i>
REGULATION OF 10/04/2000	<i>Directives 98/73/EC and 98/98/EC adjustments, respectively XXIV and XXV concerning the adaptation of Directive 67/548/EEC concerning the classification, packaging and labeling of hazardous substances.</i>
REGULATION 26/01/01 AND 11/04/01	<i>Transposition of 2000/32/EC bearing, respectively, and XXVI XXVII Adaptation of Directive 67/548/EEC on classification, packaging and labeling of dangerous substances.</i>
REGULATION 2001/59/CE OF 06/08/01 FROM REGULATION 14/06/02 D. Lgs 02/02/02 n25	<i>XXVIII of the Directive 67/548/EC on classical classification, packaging and labeling of dangerous substances. D. Decree No 02/02/02 25 Implementation of Directive 98/24/EC on the protection and safety of the employees from the risks related to chemical agents at the workplace.</i>
REGULATION 07/09/2002	<i>Transposition of Directive 2001/58/EC on how information on substances and preparations are placed on the market</i>
REGULATION OF EUROPEAN PARLIAMENT AND ADVISORY 12/02/2002	<i>Twenty-fifth amendment to Directive 76/769/EEC laying down the Council on the approximation of laws, regulations and administrative provisions of Member States relating to restrictions on the placing in the market and use of dangerous substances and preparations (substances classified as carcinogenic, mutagenic or toxic for reproduction).</i>
REGULATION HEALTH MINISTRY 12/12/2002	<i>Correction of Ministerial Decree of 7 September 2002 laying down the Directive 2001/58/EC regarding how information of dangerous substances and preparations are put in the market.</i>
REGULATION HEALTH MINISTRY 12/12/2002	<i>Correction to Ministerial Decree of 14 June 2002 laying down of Directive 2001/59/EC, and XXVIII technical progress Council Directive 67/548/EEC on classification, packaging and labeling of dangerous substances.</i>
REGULATION HEALTH MINISTRY 09/01/2003	<i>Correction of Annex III to the Ministerial Decree of 14 June 2002 transposition of Directive 2001/59/EC with XXVIII- Adaptation to Technical Progress of Directive 67/548/EEC, for the classification, packaging and labeling of dangerous substances.</i>
REGULATION EUROPEAN PARLIAMENT 2003/11/CE 06/02/2003	<i>Laying the twenty-fourth amendment to Directive 76/769/EEC PEO Council and of the Council relating to restrictions on the placing in the market and use of certain dangerous substances and preparations (pentabro-modifeniletere, Octabromodiphenyl)</i>
AGREEMENT A.D.R.	<i>Supplementary rules for the transport of dangerous goods (Law N. 1839, 12/98/62, 04/09/96 and DM DM 15/05/97).</i>
TLVS and BELS	<i>Based on documentation for threshold limit values for chemicals Substances and Physical agents Biologic exposure Indices (ACGIH).</i>



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### **16) MORE INFORMATION**

#### CONFORMITY

*mar-05*

CONFORMITY DATA REPORTED IN ACCORDANCE WITH DIRECTIVE 2001/58/EC OF THE ORDER AND, AS 07/09/2002 CHANGES AND ADDITIONS OF THE DATA AND INFORMATION CONTAINED IN THIS FORM COMPLY WITH SAFETY REGULATIONS IN FORCE. BE SURE TO CHECK AND MEET ANY USER SPECIFIC RULES NATIONAL, REGIONAL LOCAL ACTIVITIES AND IN THE MATTER OF 'DANGEROUS AND ENVIRONMENTAL PROTECTION NOT SUBJECT TO THIS DOCUMENT.

#### DESCRIPTIONS OF RISK "R"

R22

*Harmful if swallowed.*

R34

*Causing burns.*

R38

*Skin irritation.*

R41

*Risk of serious lesions in eyes.*

R43

*Can cause sensibility if in contact with skin.*

R50

*Highly toxic for aquatic organisms.*

R51/53

*Toxic for aquatic organisms, can cause, in the long run, negative effects to environment.*

R52/53

*Harmful for aquatic organisms, can cause, in the long run, Negative effects to the aquatic environment.*

R53

*Can cause, in the long run, negative effects to the aquatic environment.*

Do not use the products for purposes other than those specified. If used for other purposes not specified the user may be exposed to hazards that are not predictable. If the information shown here indicates a potential hazard or hazardous components, appropriate instructions to employees and users should be given, and taken all necessary precautions.

#### RESPONSIBILITY

Although the information given is accurate, the supplier assumes no responsibility. No responsibility is attributable to and PAI consortium for damages to the buyer or third persons resulting from incorrect use of the product. All risks resulting from the use of the product shall be borne by the user since 'the mode' of use is beyond our control, Accordingly we do not concede any guarantee of any kind and nature. We do not accept responsibility for any damages arising from use of such information for purposes other than those mentioned.

#### AIMS AND VALIDITY DATA

The information in this safety data sheet is provided in order to protect the health and safety at the workplace.

The information contained herein relates only to specific product and may not be valid if the product is used in combination with others and processing. All information is the best of us as of the date of issue of this card.

#### CHANGES SINCE THE PREVIOUS REVIEW

This issue has reviewed all sections of the card operating changes and additions. The changes are therefore the entire document, and are considered the updated Directive 2004/73 amending Directive 67/548/EC of 29 ° APT on classification, packaging and labeling of dangerous substances, implemented in Italy with the Decree of 28/02/06.

In this regard, please note that the frequent APT Directive 67/548/EC do not require the issuance of a new card safety safety, unless the content of the APT does not change the classification and labeling of the product or information to indicate on the card.

REVISION:

*Nov. 2006*

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