

1. PRODUCT IDENTIFICATION**MANUFACTURER, IMPORTER OR DISTRIBUTOR IDENTIFICATION****1.1. Data concerning the product:** FE CLEANER ECO.**1.2. Intended use:** Substance for washing wheel sizings, in packing: 5,00 dm³

APP no.: 220135.

Distributor:

AUTO – PLAST PRODUKT Sp. z o. o.

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Current safety data and technical information available at the website.

Date of MSDS preparation: 07. 02. 2005.**2. HAZARDS IDENTIFICATION**

Pursuant to the regulations in force (see item 15) the product is classified as hazardous.

2.1. Physical and chemical hazards:

- The product is not hazardous
- the product does not cause fire hazard
- liberates toxic gases in the conditions of fire

2.2. Hazard to health

- The product is not hazardous to people

2.3. Hazard to the environment.

- the product is not classified as hazardous to the environment.
- avoid release to the environment.
- refer to special instructions/safety data sheets

3. COMPOSITION AND INFORMATION ON COMPONENTS

Product classification and marking was presented pursuant to the Act on chemical substances and preparations dated 11th January 2001, on the basis of the data provided by the manufacturer and on the basis of general knowledge on the substances.

3.1. Hazardous components:

The product contains no hazardous substances pursuant to the act

4. FIRST AID MEASURES**4.1. General recommendations:**

If any non-desirable symptoms occur, call the doctor immediately or take injured to hospital, show the product packing, label or MSDS.

4.2. First aid in case of inhalation exposure:

- the product is not hazardous

4.3. First aid in case of eye contamination:

- remove contact lenses.
- flush eyes with plenty of lukewarm water for at least 15 minutes (with eyelids open), avoid water jet due to the risk of damaging cornea, in case of contamination of one eye, protect the other eye from contamination while rinsing
- medical attention necessary

Notice: Persons exposed to eye contamination should be advised about the necessity and method of immediate washing the eyes.

4.4. First aid in case of skin contamination:

- take off dirty clothing and wash skin with plenty of water with soap.
- in case of occurring skin irritation or sensation, seek dermatologist's advice

4.5. First aid in case of swallowing:

- rinse mouth with a lot of running water
- seek medical advice and show this container, label or MSDS
- ensure peace to the injured person, protect from the loss of heat

5. FIRE FIGHTING MEASURES**5.1. Fire hazards:**

- the product does not cause fire hazard
- toxic gases, fumes and smoke liberated during combustion process

5.2. Recommended extinguishing media:

- adequate for burning materials

5.3. General advice:

- Alarm about fire
- remove all people who do not take part in rescue operation from danger zone;

- Call State Fire Service, also State Police if necessary, closest local authorities and closest unit of Chemical Emergency Service
- Rescue workers must be equipped with personal protection measures - anti-gas clothing in antistatic version, self-contained breathing apparatus, safety gloves, safety goggles adhering to the face

5.4. Hazardous products of combustion:

- carbon monoxides
- toxic fumes and smokes

6. ACCIDENTAL RELEASE MEASURES

6.1. General advice:

- in case of releasing large amounts, notify competent services about the accident
- remove all people who do not take part in repairs from danger zone

6.2. Personal protection:

- when removing, do not breathe in product vapours
- avoid contact with releasing product
- use protective gloves and protective clothing
- Apply tight protective goggles with side cover or an adequate protective mask

6.3. Detailed advice:

- do not smoke

6.4. Environmental precautions:

- Eliminate spillage (shut off liquid flow, seal, damaged container put in emergency container)
- avoid the contamination of groundwater, protect sink basins
- do not let the product enter the sewage system or draining system
- if the product reached the water or draining system, contaminated the earth or flora, notify competent services

6.5. Cleaning procedures:

- small amounts of released product wipe with paper or a cloth, put in a closed, properly marked container
- bigger amounts of released product cover up with inflammable absorbing material (sand, diatomaceous earth, universal binding material), put in a closed, properly marked container
- wash the place of spillage after removing the material

7. HANDLING AND STORAGE

7.1. Handling the product:

- ensure efficient air exchange when working with the substance
- handle the product pursuant to the general principles of work health and safety concerning chemical substances; strictly follow the proceeding procedures; when handling the product, apply general work health and safety regulations contained in the Regulation of the Minister of Labour and Social Policy dated 11th June 2002 (Dz. U. no. 91 dated 2001, item 811); observe the advice included in the instructions provided by the manufacturer
- do not eat, drink and smoke when handling the product, except for the places designed for this; wash hands before the breaks and after work, if necessary use hand cream

7.2. Storage:

- store in the temperature 5 - 20°C.
- store the product in cool, dry and well ventilated rooms,
- store the product in original and tightly closed containers
- previously opened containers store vertically to make the leakage of the product impossible

7.3. Requirements concerning the room:

- Store in tightly closed, adequately marked containers
- protect packages from mechanical damage

8. EXPOSURE CONTROL AND PERSONAL PROTECTION

8.1. Hazard to health

Employees' medical tests and tests and measurements of harmful substances to be carried out pursuant to the regulations in force.

8.2. The procedures of monitoring of hazardous components in work environment:

- the product contains no components for which exposure control is required.

8.3. Hygienic advice:

Avoid direct contact of the product with skin and eyes and inhaling the product vapours; use the product in the rooms with efficiently working ventilation and, if necessary, use respiratory tract protection measures; immediately take off contaminated clothing and wash contaminated skin with water with soap; do not eat, drink and smoke when handling the product, except for the places designed for this, wash hands before breaks at work and after finishing work with the product, use hand cream when necessary.

8.4. Personal protection ensuring adequate protection:

hands:	protective gloves
skin:	protective clothing
respiratory tract:	ensure good ventilation.
eyes	not required

Notice! Recommended protective equipment must be certified for safety mark pursuant to the Regulation of the Council of Ministers dated 9th November 1999 on the list of goods manufactured in Poland as well as goods imported to Poland for the first time, which may cause danger or serving the protection or saving life, health or the environment, being subject to the certification for safety mark and marking with this mark and the goods subject to the obligation of issuing the declaration of conformity by the manufacturer.

The employer is obliged to make sure that the used individual protection media as well as protective clothing and footwear had the protective usable properties and assure their adequate washing, maintenance, repair and decontamination.

9. PHYSICAL AND CHEMICAL PROPERTIES

form, appearance:	liquid
colour:	light-yellow
odour:	characteristic
pH	9,5
boiling point:	100°C
melting point:	-
burning temperature:	-
flash point	-
autoignition temperature:	-
combustibility:	not combustible
explosive properties:	No danger of explosion
hazard danger boundaries:	
- lower:	-
- upper:	-
oxidizing properties:	-
vapour pressure:	23 hPa
density:	1,05 g/cm ³ (in the temperature of 20°C)
vapour density:	-
solubility:	
- in water:	does mix
- in organic solvents:	does not mix
Distribution ratio n- octanol/water	-
viscosity:	10 ÷ 16 Pas

10. STABILITY AND REACTIVITY

10.1. Stability:

- stable in normal conditions of application and storage

10.2. Conditions to avoid:

- high temperature

10.3. Materials to avoid:

- strong oxidizing agents
- strong acids and bases

10.4. Hazardous products of decomposition/combustion:-

- carbon monoxides
- toxic gases and smokes

11. TOXICOLOGICAL INFORMATION

11.1. Hazards to health

- The product is not hazardous to people

11.2. Toxic doses and concentrations:

- No data is available for the described product.

12. ECOLOGICAL INFORMATION

12.1. Hazards for the environment.

- the product is not classified as hazardous to the environment.
- Avoid release to the environment.
- Refer to special instructions/safety data sheets

No data available on the mobility of the described substance in various ecosystems, its ability for bioconcentration, biodegradation or ecotoxicity. Do not let any material enter surface water, ground water and soil. Proceed pursuant to the regulations. Do not let the product enter natural environment. Properly used product does not cause danger to the environment. Do not let any material enter surface water, ground water and soil. Do not dispose in the sewage system. It is forbidden to dispose of the product to sewers or water courses.

13. DISPOSAL CONSIDERATIONS

13.1. Waste material proceedings:

Do not dispose in the sewage system. Do not let any material enter surface water, ground water and soil. Small quantities (at the consumer's) treat as household waste. Do not dispose large quantities of waste material in the sewage system. Utilize in authorized incineration plants or waste utilization plants, pursuant to the regulations in force (see item 15)

Product	If the product cannot be used as waste, it can be stored in small quantities together with domestic waste, observing the regulations.
Not cleaned package	Contaminated packages should be emptied completely, then after cleaning they can be subject to recycling process.

Recommended cleaning agent: water.
 Disposing of empty containers (packages) should be in compliance with the regulations in force.

14. TRANSPORT INFORMATION

14.1. Road transport:

The product does not cause danger in the light of road transport regulations.

15. REGULATORY REGULATION

Classification and marking of the substance was given pursuant to the Act on chemical substances and preparations dated 11th January 2001, on the basis of the data delivered by the manufacturer and on the basis of general knowledge on the substances.

Package marking:

The product is not classified as hazardous. The regulations on labelling hazardous substances do not apply.

Warning marks:

- None

Hazard phrases:

- None

Phrases indicating conditions of safe usage:

- None

Regulations in force:

- 1 Regulation (EC) no. 1907/2006 of the European Parliament and European Council dated 18th December 2006 on the registration, assessment, granting permits and applied restrictions in the scope of chemicals (REACH) the establishment of the European Chemicals Agency amending directive 1999/45/EC and repealing the regulation of the Council (EEC) no. 793/93 and the regulation of the Commission (EC) no. 1488/94, as well as the Council directive 76/769/EEC and the Commission's directive 91/155/ EEC, 93/67/EEC, 93/105/EC and 2000/21/EC (correction Dz. Urz. Of the European Union, L 396/1)
- 2 Act dated 11th January 2001 on chemical substances and preparations (Dz. U. No 11 item 84 dated 2001) with subsequent amendments)
- 3 Act dated 27th April 2001 on waste (Dz. U. No 62 item 628 dated 2001) together with the Regulation of the Minister of the Environment (Dz. U. No 152 item 1735-1737 dated 2001)
- 4 Act dated 11th May 2001 on package and package waste (Dz. U. No. 63, item 638 dated 2001) with subsequent amendments
- 5 Proclamation of the Marshal of the Parliament of the Republic of Poland dated 4th July 2006 on announcing single text of the act - Environment Protection Law (Dz. U. No 129 item 902 dated 2006)
- 6 Act dated 28th October 2002 on land transport of hazardous materials (Dz. U. No 199 item 1671 dated 2002) with subsequent amendments
- 7 The Regulation of the Minister of Health dated 30th April 2004 on dangerous substances and chemical preparations whose packages shall have closures protecting against opening by children and warning label recognized with fingers. (Dz. U. No. 128, item 1348 dated 2004).
- 8 Regulation of Minister of Health of 2nd September 2003 on marking of dangerous substance and preparation packages (Dz. U. No 173 item 1679 dated 2003) with subsequent amendments of 9th November 2004 (Dz. U. No 260 item 2595 dated 2004) with the consideration of the Commission Directive 2006/8/EC of 23rd January 2006
- 9 Regulation of Minister of Health of 2nd September 2003 on criteria and classification method for chemical substances and preparations (Dz. U. No 171 item 1666 dated 2003) with subsequent amendment of 9th October 2004 (Dz. U. No 243 item 2440 dated 2004) with the consideration of the Commission Directive 2006/8/EC of 23rd January 2006
- 10 Regulation of Minister of Health dated 3rd July 2002 on Material Safety Data Sheet (Dz. U. No 140 item 1171 dated 2002) together with the Regulation of Minister of Health of 14th December 2004 amending the regulation on Material Safety Data Sheet (Dz. U. No 2 item 8 dated 2005).
- 11 Regulation of Minister of Health dated 28th September 2005 on the list of dangerous substances with their classification and marking (Dz.U. No. 201, item 1674 dated 2005)
- 12 Regulation of the Minister of Labour and Social Policy dated 29th November 2002 on the highest allowed concentrations and intensity of agents harmful to health in the work environment (Dz. U. No. 217, item 1833 dated 2002). with the amendment (Dz. U. No 212 item 1769 dated 2005) and Dz. U. No 161 item 1142 of 2007)
- 13 Government announcement dated 26th July 2005 on the annexes A and B of the European Agreement concerning international transport of hazardous materials, coming into force (ADR), prepared in Geneva dated 30th September 1957 (Dz. U. No. 178, item 1481 dated 2005)
- 14 Regulation of the Minister of Environment dated 27th September 2001 on waste catalogue (Dz. U. 2001 No 112 item 1206)
- 15 Regulation of the Minister of Labour and Social Policy dated 11th June 2002 amending the regulation on general work health and safety regulations (Dz. U. No. 91, item 811 dated 2002).

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- 16 Regulation of the Minister of Economy dated 9th June 2006 amending the regulation on the minimum requirements concerning work health and safety of the employees employed at work stations where explosion may occur (Dz. U. No. 121 item 836 dated 2006).
- 17 Regulation of the Council of Ministers dated 30th July 2002 amending the regulation on the list of works forbidden to women (Dz. U. No. 127, item 1092 dated 2002). Regulation of the Minister of Health dated 20th April 2005 on the tests and measurements of agents harmful to health in the work environment (Dz. U. dated 73, no. 73, item 645 dated 2005)
- 19 Regulation of the Minister of Health and Social Welfare dated 30th May 1996 on conducting medical tests of employees, the scope of prevention in health care of the employees and doctor's statements issued for the purposes stated in the Labour Code (Dz. U. No. 69 item 332 dated 1996) with subsequent amendments (Dz. U. No 37 item 451 and Dz. U. No. 128, item 1405 dated 2001)
- 20 Regulation of the Council of Ministers dated 24th August 2004 on the list of works forbidden to the juvenile and the conditions of employing them at some works (Dz. U. No. 200 item 2047 dated 2004) with subsequent amendments (Dz. U. No 136 item 1145 dated 2005)
- 21 Regulation of Minister of Economy and Labour dated 5th July 2004 on the limitations, bans or production conditions, trading or the use of hazardous substances and preparations and the products containing them (Dz. U. No. 168 item 1762 dated 2004) with subsequent amendments (Dz. U. No 39 item 372 dated 2005 and Dz. U. No. 127, item 887 dated 2006)
- 22 Regulation of the Minister of Health dated 1st December 2004 on substances, preparations, factors or technological processes with carcinogenic or mutagenic in the work environment (Dz. U. No. 280 item 2771 dated 2004). with subsequent amendments (Dz. U. No 160 item 1356 dated 2005)
- 23 Act dated 29th July 2005 on counteracting drug abuse (Dz. U. No. 179, item 1485 dated 2005) with the amendment (Dz. U. No. 120, item 826 dated 2006 and the Regulation (EC) No. 273/2004 of the European Parliament and the Council dated 11th February 2004. on the precursors of drugs (Dz. Urz. EC L 047 dated 18th February 2005) and the Regulation (EC) and the Council No. 111/2005 dated 22nd December 2004 defining the principles of supervising the trade with drugs precursors between the Community and the third countries (Dz. Urz. EC L 22 dated 26th January 2005, page 1; Dz. Urz. EC Polish special issue dated 2005, volume 48, page 1).
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16. OTHER INFORMATION

Employees' medical tests and tests and measurements of the harmful factors to be made pursuant to the valid regulations. This material safety data sheet was prepared pursuant to the data coming from the MSDS provided by the manufacturer. The above information was prepared on the basis of current knowledge and experiences. It does not guarantee of the property of the product or quality specification and cannot be the basis for the complaint. The product should be transported, stored and applied pursuant to the regulations in force and good practice and hygiene of work. The manufacturer does not bear responsibility for any losses arising directly or indirectly from the application of the above interpretation of the regulations or instructions.. The presented information cannot be applied for the mixtures of the product with other substances. The use of information given and the application of the product are not controlled by the manufacturer so it is the user's obligation to create adequate conditions for safe handling the product.

MSDS was prepared by **CHEM-NET S.C. 91-716 Łódź, Nowopolska 9A** www.chem-net.info, at the order of **AUTO – PLAST PRODUKT Sp. z o. o.** MSDS was prepared pursuant to domestic regulations currently in force. The preparation of this MSDS was based on current knowledge and experiences.
