

PRODUCT SAFETY DATA SHEET

SUBSTANCE / PREPARATION NAME

ENFORCE

Date of preparation	14/07/2016
Release Date	14/07/2016
MSDS No	FORM_MSDS_R&D_307_00
Renewal Date/No	14.07.2016

Page Number: 1/7

This form is based on SAFETY DATA FORMS AND REGULATION ABOUT THE PREPARATION AND DISTRIBUTION OF HAZARDOUS SUBSTANCES (dated 26/12/2008 and 27092 numbered).

1. SUBSTANCE/PREPARATION AND COMPANY/ DEFINITION OF BUSINESS OWNER:

1.1 Substance/ Presentation Of The Preparation:

Product Name : ENFORCE

Product Description : pH indicator

Formulation Type : Liquid

1.2 Usage of Substance/Preparation:

pH regulator

1.3 Presentation of the Company:

Manufacturer and Licensee Company:

Company Name : AGRİ SCIENCES TARIM VE İLAÇ ÜR. SAN. TİC. LTD. ŞTİ.

Adress : Bekir Saydam Caddesi Pancar No: 45 Torbalı / İZMİR

Telephone : +90 232 864 13 33

Fax : +90 232 864 16 79

1.4 Emergency Telephone:

Please call +90 0232 864 13 33 or 114 (UZEM) in an emergency.

2. INFORMATION ABOUT THE CONTENT/COMPOSITION :

Substance	w/w%	CAS No	EINECS/ELINCS	Hazard	R ¹	Classification
Phosphoric Acid	32	7664-38-2	-	C	R34	C; R34
Urea	8	57-13-6	-	-	-	-
Glycerol	15	56-81-5	-	-	-	-
Others	These are excluded because of not containing hazardous substance.					

- Descriptions about ¹R are given in chapter 16.

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3. IDENTIFICATION OF HAZARDS:



C: Corrosive

R34: Causes burns

4. FIRST AID PRECAUTIONS:

Inhalation: Remove victim from area of exposure - avoid becoming a casualty. Seek medical advice if effects persist.

Skin Contact: If skin contact occurs, remove contaminated clothing and wash skin with running water. If irritation occurs seek medical advice.

Eye Contact: If in eyes, wash out immediately with water. In all cases of eye contamination it is a sensible precaution to seek medical advice.

Ingestion: Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water. Seek immediate medical assistance.

5. FIRE CONFLICT PRECAUTIONS

Suitable Extinguishing Media: Not combustible, however, if material is involved in a fire use: Water spray (large quantities). Dry agent (carbon dioxide, dry chemical powder).

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6. ACCIDENTAL RELEASE PRECAUTIONS:

Emergency procedures: Use personal protective equipments specified in section 8. If contamination of sewers or waterways has occurred advise local emergency services.

Methods and materials for containment and clean up: Wear protective equipment to prevent skin and eye contact. Avoid breathing in vapours. Work up wind or increase ventilation. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labelled containers or drums for disposal.

Additional Precautions: Look at section 7 for safe use. Look at section 8 for personal protective equipment. Look at section 13 for disposal.

7. HANDLING AND STORAGE

Handling : Use personal protective equipments specified in section 8. Do not eat or drink anything during the usage. Avoid contact with skin and eyes. Do not breathe it. Wash your hands after usage. It does not need any other security precautions other than instructions on it. Use only the rooms with appropriate exhaust ventilation.

Storage : **Do not store in metal container because of its corrosive property.** Store in original container in a cool, dry and well-ventilated place. Keep away from foods, drinks and animal feedstuffs. Protect from direct sunlight. Protect against freezing, do not put to reach area of children.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Engineering Precautions: Keep the substance concentration below the allowable limits by providing the appropriate general or regional ventilation.

Personal Protective Equipment:

Eye : Use safety glasses according to EN 166.

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Skin : Use protective clothing and suitable gloves. If possible, use 2 layers of clothing. Use CE marked Nitrile rubber gloves (min 0,40 mm thick). Wash contaminated gloves. Dispose of the not cleanable gloves.

Respiration : Use breathing apparatus according to EN 149:2001. Breathing apparatus only used in short-term works to reduce the risk, for example, in local ventilations.

Warning instructions prepared by manufacturers about respiratory protection apparatus must be followed.

Hygiene Precautions: Do not eat, drink or smoke during usage. Wash your hands every time before going to the toilet, eating, drinking and smoking.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Liquid, pinkish
Density : 1,17 g/cm³ (20⁰C)
pH : 1.99 (20⁰C)

10. STABILITY AND REACTION

Stability : Stable
Hazardous Polymerization : Not known
Hazardous Decomposition Products : None

11. TOXICOLOGICAL INFORMATION

Toxicity values: Not applicable.

12. ECOLOGICAL INFORMATION

Ecotoxicity values: Not applicable.

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13. DISPOSAL INFORMATION

Product: Wastes should be disposed of with household waste. The remaining amount of waste must not be poured into a sewage canal. Hazardous waste should be disposed of according to control regulations.

Contaminated Packing : Empty containers should be used for other products.

Completely emptied and shaken containers must be properly disposed. Uncontaminated packaging should be disposed of as hazardous waste.

14. TRANSPORT INFORMATION

ADR/RID/ADNR

UN-No. : 1805
Hazard Signal : 8
Packaging Group : III
Property of the product : Phosphoric Acid, Liquid

IMDG

UN-No. : 1805
Hazard Signal : 8
Packaging Group : III
Property of the product : Phosphoric Acid, Liquid
Marine pollutant : No

IATA

UN-No. : 1805
Hazard Signal : 8
Packaging Group : III
Property of the product : Phosphoric Acid, Liquid

15. REGULATORY INFORMATION

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Hazard Signal and Symbol:

C: Corrosive

Hazardous Substances Found On The Label

Containing phosphoric acid, urea and glycerol.

Risk Phrases

Health:

R34: Causes burns

Safety Phrases:

S1/2: Keep locked up and out of the reach of children.

S25: Avoid contact with eyes

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S37: Wear suitable gloves

S39: Wear eye/face protection

S46: If swallowed, seek medical advice immediately and show this container or label

S64: If swallowed, rinse mouth with water (only if the person is conscious)

16. OTHER INFORMATIONS

Risk phrases mentioned in Section 2:

R34: Causes burns

This security information form is additional to manufacturer firm's instructions, however does not replace with instructions. This form contains regulation criterias for preparation of security form preparation. This form is based on safety data forms and regulation about the preparation and distribution of hazardous substances (dated 26/12/2008 and 27092 numbered). Please, the relevant institutions and individuals act according to this regulation.