

1. PRODUCT IDENTIFICATION

1.1 Product Name:	Ethyle Acetate
1.2 Chemical Name:	Ethyle Acetate
1.3 Synonyms:	Ethyl acetic ester, Ethyl ester, Ethyl ethanoate, Acetoxyethane
1.4 Trade Names:	Primer Free Acid
1.5 Product Use:	PROFESSIONAL USE ONLY
1.6 Manufacturer's Name:	XZERO X LTD
1.7 Manufacturer's Adress:	15, P. Enchev Str, 2 – Varna 9000 - Bulgaria - EU
1.8 Emergency Phone:	CARECHEM : + 44 (0) 1235 239 670

2. COMPOSITION & INGREDIENT INFORMATION

CHEMICAL NAME(S)	CAS#	BY %	EINECS #	MOLECULAR FORMULA
Ethyl Acetate	141-78-6	100	205-500-4	C ₄ H ₈ O ₂

3. HAZARDS IDENTIFICATIONS

OSHA/GHS Flammable liquids Category 2
 Hazards Eye irritation Category 2A
 Specific target organ toxicity – Category 3 (Narcotic effects)
 single exposure

Hazard statements H225
 Highly flammable liquid and vapour.
 H319 Causes serious eye irritation.
 H336 May cause drowsiness or dizziness.
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P233 Keep container tightly closed.
 P240 Ground/bond container and receiving equipment.
 P241 Use explosion-proof electrical/ ventilating/ lighting equipment.
 P242 Use only non-sparking tools.
 P243 Take precautionary measures against static discharge.
 P280 Wear protective gloves/ eye protection/ face protection.
 P264 Wash skin thoroughly after handling.
 P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
 P271 Use only outdoors or in a well-ventilated area.

Response P303 + P361 + P353 IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower. P370 + P378 In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide for extinction. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 If eye irritation persists: Get medical advice/ attention. P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P312 Call a POISON CENTER/doctor if you feel unwell.

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

4. FIRST AID MEASURES

Eye contact Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. **Skin contact** Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. When symptoms persist or in all cases of doubt seek medical advice. Wash contaminated clothing before re-use. **Inhalation** Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration. In case of shortness of breath, give oxygen. Call a physician immediately. **Ingestion** If swallowed, call a poison control centre or doctor immediately. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

5. FIREFIGHTING MEASURES

FLAMMABLE PROPERTIES

Fire/explosion Vapours may form explosive mixture with air. Flash back possible over considerable distance. Use water spray to disperse the vapors. NFPA Class 1B flammable liquid.

Suitable extinguishing media Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Protective equipment and precautions for firefighters. In the event of fire, wear self-contained breathing apparatus.

Further information Keep containers and surroundings cool with water spray. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

6. ACCIDENTAL RELEASE MEASURES

Methods and materials for containment and cleaning up :

Evacuate personnel to safe areas. Remove all sources of ignition. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Do not flush into surface water or sanitary sewer system.

7. HANDLING AND STORAGE INFORMATION

Safe handling advice Ensure : all equipment is electrically grounded before beginning transfer operations. Keep away from heat and sources of ignition

Storage/Transport pressure : Ambient

Load/Unload temperature : Ambient

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

Engineering Controls: Air contaminant levels should be controlled below the PEL or TLV for this product (see Exposure Guidelines). Ensure adequate ventilation, especially in confined areas. Use explosion-proof equipment.

Eye/Face Protection:

Where there is a potential for eye contact, wear a face shield, chemical goggles, and have eye flushing equipment immediately available.

Skin Protection:

Wear appropriate chemical resistant protective clothing and chemical resistant gloves to prevent skin contact. Butyl rubber Gloves should be worn when handling this material. Wear chemical goggles, a face shield, and chemical resistant clothing such as a rubber apron when splashing may occur. Rinse immediately if skin is contaminated. Remove contaminated clothing promptly and wash before reuse. Clean protective equipment before reuse. Provide a safety shower at any location where skin contact may occur. Wash skin thoroughly after handling.

Respiratory Protection Respiratory protection is normally not required except in emergencies or when conditions cause excessive airborne levels of mists or vapors. Use NIOSH approved respiratory protection.

Airborne Exposure Guidelines for Ingredients

Exposure Limit Ethyle Acetate ACGIH TLV - 400 ppm 1400 mg/m³
OSHA PEL (Permissible Exposure Limit) 400 ppm 1,400 mg/m³

PEL= Permissible Exposure Limits TWA= Time Weighted Average (8 hr.) TLV= Threshold Limit Value STEL= Short Term Exposure Limit (15 min.) EL= Excursion Limit WEEL= Workplace Environmental Exposure Level

9. PHYSICAL & CHEMICAL PROPERTIES

Appearance/Odor:	Clear liquid with ester-like odor
Flash Point:	-4 °C, 25°F
Flammability:	Upper explosion limit. 11,5 % - Lower explosion limit: 2,1 %
Vapor Pressure:	97 h Pa @ 20C, 68 F°
Vapor Density:	1,2
Melting Point:	-84 °C, - 119 °F
Freezing Point:	no data available
Boiling Point:	77° C, 170° F
Solubility in water:	completely miscible
Auto-ignition temperature:	426 °C, 799 °F

10. STABILITY & REACTIVITY

Reactivity Stable under recommended storage conditions. **Chemical stability** No decomposition if stored and applied as directed.

Conditions to avoid Heat, flames and sparks.

Hazardous decomposition products None known.

Materials to avoid Alkali metals Strong oxidizing agents

Hazardous polymerisation None known.

11. TOXICOLOGICAL INFORMATION

Toxicological Information

Acute dermal toxicity LD50 Rabbit: > 2,000 mg/kg (literature value)

Acute inhalation toxicity No data available

Acute oral toxicity LD50 Rat: > 2,000 mg/kg (literature value)

Skin (Rabbit)

corrosion/irritation Not irritating (literature value)

Serious eye damage/eye irritation (Rabbit)

slight irritation (literature value)

Respiratory or skin sensitisation Guinea pig: not sensitizing; Maximisation Test OECD Test Guideline 406

Germ cell mutagenicity Genotoxicity in vitro: Type: Ames test System: Salmonella typhimurium; with and without metabolic activation

Result: In vitro tests did not show mutagenic effects (literature value)

Genotoxicity in vivo: No data available

Assessment Mutagenicity: Based on available data, the classification criteria are not met.

Reproductive toxicity Reproductive toxicity: No data available

Assessment Reproductive toxicity: No data available

Teratogenicity: No data available

Assessment teratogenicity: No data available

STOT - single exposure The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with narcotic effects.

STOT - repeated exposure No data available

Aspiration toxicity No data available

Carcinogenicity Assessment carcinogenicity: Contains no ingredient listed as a carcinogen

12. ECOLOGICAL INFORMATION

Toxicity to fish LC50 (Pimephales promelas (fathead minnow)) 96 hours: > 100 mg/l; semi-static test (literature value)

Toxicity to aquatic invertebrates EC50 (Daphnia magna (Water flea)) 48 hours: > 100 mg/l; static test (literature value)

Toxicity to algae EC50 (Desmodesmus subspicatus (green algae)) 72 hours: > 100 mg/l; static test (literature value)

Chronic toxicity to aquatic invertebrates NOEC (Daphnia magna (Water flea)) 21 d: > 1 - 10 mg/l; semi-static test; OECD Test Guideline 211 (literature value)

Biodegradation Readily biodegradable. OECD Test Guideline 301B (28 d): > 60 % (literature value)

Bioaccumulative potential No bioaccumulation is to be expected (log Pow <= 4). Mobility in soil No data available Other adverse effects This substance is not considered to be persistent, bioaccumulating and toxic (PBT).

13. DISPOSAL CONSIDERATIONS

Waste Code U112 - Ethyl Acetate - (RQ 5,000 LB).D001 - Ignitability (RQ 100 LB). This product has the RCRA characteristic of ignitability. Re-evaluation of the product may be required by the user at the time of disposal, since the product uses, transformations, mixtures, contamination, and spillage may change the classification.

Disposal methods Dispose of only in accordance with local, state, and federal regulations. Do not contaminate any lakes, streams, ponds, groundwater or soil.

Empty containers. Empty containers retain product residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, 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. Empty drums should be completely drained, triple-rinsed, properly bunged and promptly returned to a drum reconditioner, or properly disposed.

14. TRANSPORTATION INFORMATION

DOT UN 1173, Ethyl Acetate, 3, II

When shipped in quantities greater than 5,000 lbs, RQ must be added to the shipping description.

IATA UN 1173, Ethyl Acetate, 3, II

When shipped in quantities greater than 5,000 lbs, RQ must be added to the shipping description.

IMDG UN 1173, Ethyl Acetate, 3, II

When shipped in quantities greater than 5,000 lbs, RQ must be added to the shipping description.

15. REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

TSCA Inventory Listing Components CAS-No. Acetic acid ethyl ester 141-78-6

SARA 302 Status Components CAS-No. Weight percent No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 311/312 Classification Should this product meet EPCRA 311/312 Tier reporting criteria of 40 CFR 370, refer to Section 2 of this SDS for appropriate classification and Section 3 for components that meet the hazardous classification.

SARA 313 Chemical Components CAS-No. Weight percent This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

US. EPA CERCLA Hazardous Substances (40 CFR 302) Components Reportable Quantity Weight percent Acetic acid ethyl ester 5,000 LB 100 %

INTERNATIONAL REGULATIONS

WHMIS Classification

Flammable liquids Category 2

Eye irritation Category 2A

Specific target organ toxicity - single exposure Category 3 (Narcotic effects)

European Union

Classification according to Regulation (EU) 1272/2008.

Flammable liquids, Category 2

Eye irritation, Category 2

Specific target organ toxicity - single exposure, Category 3 (Narcotic effects)

Australia. Inventory of Chemical Substances (AICS) Listed

Japan. Inventory of Existing and New Chemical Substances (ENCs) Listed

Japan. ISHL - Inventory of Chemical Substances Listed

Canada. Domestic Substances List (DSL) Inventory Listed

Canada. Non-Domestic Substance Listing (NDSL) Not listed

Philippines. Inventory of Chemicals / Chemical Substances (PICCS) Listed

Korea. Existing Chemicals Inventory (KECI) Listed

China. Inventory of Existing Chemical Substances (IECSC) Listed

Mexico. National Inventory of Chemical Substances (INSQ) Listed

New Zealand. Inventory of Chemical Substances (NZIoC) Listed

Switzerland. Inventory of Notified New Substances (CHINV) Listed

Taiwan. National Existing Chemical Inventory (NECI) Listed

Please note: The names and CAS numbers which are used for this product in the stated inventories may deviate from the information which is listed in Section 3.

STATE REGULATIONS

California Prop. 65 Components CAS-No.

Please see statement on Proposition 65 below:

Sasol Chemicals (USA) LLC's Ethyl Acetate may contain detectable quantities of acetaldehyde, toluene and ethylbenzene which are chemicals on the California Proposition 65 list. The levels of such are estimated to be in the 0.1 µg/mL range.

16. OTHER INFORMATION

HAZARD RATINGS : Health Flammability Physical Hazard/Instability

HMIS® 2 3 0

NFPA 2 3 0

Revision Information Revision Date: January 1, 2010 The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty or merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Ayers International Corporation be liable for any claims, losses, or damages or any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Ayers International Corporation has been advised of the possibility of such damages. Varna, 15 P. Enchev Str., .2 -X ДЗЕРО X ЕООД Варна, ул. П. Енчев 15, ет. 2, ап. 2 BULGARIA -info@xzerox.eu www.xzerox.eu

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