

ADDITIVO PP 2

Revision nr. 1
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IRRITATING TO SKIN.
HARMFUL TO AQUATIC ORGANISMS, MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.

4. First aid measures

EYES: Irrigate copiously with clean, fresh water for at least 15 minutes. Seek medical advice.

SKIN: Wash immediately with plenty of water. Remove contaminated clothing. If irritation persists seek medical attention. Wash contaminated clothing before using them.

INHALATION: Remove to fresh air. If breathing is irregular seek medical advice.

INGESTION: Obtain immediate medical attention. Induce vomiting only if indicated by the doctor. Never give anything by mouth to an unconscious person.

5. Fire-fighting measures

Closed containers exposed to the heat of a fire may lead to pressure rise and explode. For information on environmental and health risks, protection of the respiratory airways, ventilation and individual protective measures refer to the other sections of this sheet.

Extinguishing measures: CO₂, foam, AFFF, chemical powder for flammable liquids. Water may not be effective to extinguish the fire, nevertheless it should be used to cool the containers exposed to flames and prevent fires and explosions. For leakage and spillage that have not caught fire, nebulized water may be used to disperse the flammable vapours and protect the people involved in stopping the leakage.

Equipment: wear equipment complete with helmet and face shield and protection of the neck, selfbreathing apparatus at pressure or demand, insulative jacket and trousers, with bands around the arms, legs and waist.

6. Accidental release measures

Exclude sources of ignition and ventilate the area. Cover with inert absorbent material. Collect spillages by means of sparkproof equipment. Use water only to remove residuals, so as not to run the risk of enter the sewer.

Do not let the product dry. Contaminated clothes must be left to soak in water before washing. In order to choose safety measures and protection equipment, please see the other sections of this sheet.

Spillage in waters: remove the liquid from the surface with flameproof pumps or manual pumps or suitable absorbent material. Resort to sinking and/or dispersion of the product with suitable substances in open waters, if permitted by the law.

7. Handling and storage

Store in a wellventilated place keeping the containers closed when not used. Do not smoke while handling. Keep far away from sources of heat, naked flames and sparks and other sources of ignition; do not spray in the vicinity of flames or incandescent materials.

For information on environmental and health risks, protection of the respiratory airways, ventilation and individual protective measures refer to the other sections of this sheet.

8. Exposure controls / personal protection.

XYLENE			
- TLV TWA	434	mg/m3	ACGIH
- TLV STEL	651	mg/m3	ACGIH
ETHYLBENZENE			
- TLV TWA	434	mg/m3	ACGIH
- TLV STEL	543	mg/m3	ACGIH
CHLOROBENZENE			
- TLV TWA	46	mg/m3	ACGIH
ISOBUTYL ACETATE			
- TLV TWA	713	mg/m3	ACGIH

In order to minimize exposure as far as possible, it is strongly recommended to use adequate individual protective measures such as: masks suitable for the product, goggles, gloves and overalls. Do not eat, drink or smoke while handling it. Accurately wash the hands with soap and water before meals and at the end of the work shift.

9. Physical and chemical properties

Colour	Transparent
Odour	Typical of solvent
Physical state	Liquid
Solubility	N.A.
Viscosity	N.A.
Vapour density	N.A.
Partition coefficient: n-octanol/water	N.A.
pH	N.A.
Boiling point	> 115°C
Flash point	< 21°C
Explosive properties	N.A.
Vapour pressure	N.A.
Specific gravity	N.A.

10. Stability and reactivity

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

The xylene present is stable but may give violent reactions if placed in contact with strong oxidants such as nitric acid, sulfuric acid, perchlorates and similar agents. It is biodegradable in water and decomposes in the sunlight (photodegradable).

Ethylbenzene: it reacts violently with strong oxidizing agents and attacks different types of plastic material. It is readily biodegradable in water.

Isobutyl acetate reacts violently with strong oxidizing agents. (ref. H.C.S.) and attacks different types of plastic materials.

11. Toxicological information

Acute effects: inhalation or cutaneous absorption of this product are harmful. This product may irritate mucosas, the upper respiratory tract, and eyes. Exposure symptoms may include: stinging and irritated eyes, mouth, nose, throat; cough, respiratory disorders, dizziness, headache, nausea and sickness.

In the most serious cases, inhalation of this product may cause larynx and bronchial tube edema and irritation, chemical pneumonia and pulmonary edema. Upon contact with skin, this product may irritate it, causing an increase in skin temperature, swelling and itchiness. Ingestion of even small amounts of this product may cause health problems (stomach pain, nausea, sickness, diarrhoea, etc.).

Acute effects: contact with skin may cause irritation, erythema, edema, dryness and chapped skin. Contact with eyes may cause slight irritation. Vapour inhalation may slightly irritate the upper respiratory tract. Ingestion may cause health disorders, including stomach pain and sting, nausea and sickness.

Xylene: has a toxic effect on the CNS (encephalopathies). Irritating to the skin, conjunctivae, cornea and respiratory apparatus.

12. Ecological information

This product is dangerous for the environment and the aquatic organisms. In the long term, it may even have negative effects on the aquatic environment.

Effetti ambientali acuti e cronici: la sostanza presenta una moderata tossicità acuta e cronica per gli organismi acquatici. log P=3,63 LC50 48h =10,5 mg/l (Brachydanio rerio) LC50 96h=7,72mg/l (Pimephales promelas) EC50 24h=4,3 mg/l (Daphnia Magna) NOEC=6,2 mg/l, 4 giorni (Cyprinodon variegatus) BCF=1,01 ng/l, 1 giorno (Daphnia Magna)

13. Disposal considerations

Consider the possibility of burning the product in a suitable incinerator. Acid or basic products must always be neutralized before undergoing any treatment, including biological treatment whenever feasible. If the waste is solid, it can be disposed of in a landfill.

14. Transport informations

These goods must be transported by vehicles authorized to the carriage of dangerous goods according to the provisions set out in the current edition of the Code of International Carriage of Dangerous Goods by Road (ADR) and in all the applicable national regulations. These goods must be packed in their original packings or in packings made of materials resistant to their content and not reacting dangerously with it. People loading and unloading dangerous goods must be trained on all the risks deriving from these substances and on all actions that must be taken in case of emergency situations.

Road and rail transport:

ADR:	3
UN:	1993
Packing Group:	II
Label:	3
Nr. Kemler:	33
Proper Shipping Name:	Flammable liquid, n.o.s. (ETHYLBENZENE; XYLENE)
Special Provision:	640D

Carriage by sea (shipping):

IMO class:	3
UN:	1993
Packing Group:	II
Label:	3
EMS:	F-E, <u>S-E</u>
Proper Shipping Name:	Flammable liquid, n.o.s. (ETHYLBENZENE; XYLENE)

Transport by air:

IATA:	3
UN:	1993
Packing Group:	II
Label:	3
Cargo:Packaging instructions:	307
Maximum quantity:	60 L
Pass.:	
Packaging instructions:	305
Maximum quantity:	5 L

15. Regulatory information



R11
 R20/21
 R38

HIGHLY FLAMMABLE.
 HARMFUL BY INHALATION AND IN CONTACT WITH SKIN.
 IRRITATING TO SKIN.

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R52/53	HARMFUL TO AQUATIC ORGANISMS, MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.
S16	KEEP AWAY FROM SOURCES OF IGNITION - NO SMOKING.
S33	TAKE PRECAUTIONARY MEASURES AGAINST STATIC DISCHARGES.
S23	DO NOT BREATHE GAS/FUMES/VAPOUR/SPRAY (APPROPRIATE WORDING TO BE SPECIFIED BY THE MANUFACTURER).
S24/25	AVOID CONTACT WITH SKIN AND EYES.
S61	AVOID RELEASE TO THE ENVIRONMENT. REFER TO SPECIAL INSTRUCTIONS/SAFETY DATA SHEETS.
S29	DO NOT EMPTY INTO DRAINS.

Contains:

XYLENE
CHLOROBENZENE

Danger labelling under regulations 67/548/CEE and 1999/45/CE and following amendments and adjustments.

Workers exposed to this chemical agent must undergo health checks according to regulation 98/24/CE.

16. Other information

Text of -R- phrases quoted in section 2 of the sheet.

R10	FLAMMABLE.
R11	HIGHLY FLAMMABLE.
R20	HARMFUL BY INHALATION.
R20/21	HARMFUL BY INHALATION AND IN CONTACT WITH SKIN.
R38	IRRITATING TO SKIN.
R51/53	TOXIC TO AQUATIC ORGANISMS, MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.
R66	REPEATED EXPOSURE MAY CAUSE SKIN DRYNESS OR CRACKING.

GENERAL BIBLIOGRAPHY

1. Regulation 1999/45/CE and following amendments;
2. Regulation 67/548/CEE and following amendments and adjustments (technical adjustment XXVIII);
3. Regulation 91/155/CEE and following amendments;
4. The Merck Index. - 10th Edition;
5. Handling Chemical Safety;
6. Niosh - Registry of Toxic Effects of Chemical Substances;
7. INRS - Fiche Toxicologique (toxicological sheet);
8. Patty - Industrial Hygiene and Toxicology;
9. 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.

Changes to previous review

The following sections were modified:

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PRODUCT FOR PROFESSIONAL USE ONLY.