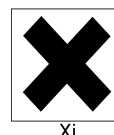


# Safety Data Sheet

## ACRY-HARD WB PRIMER



Xi

Safety Data Sheet dated 27/3/2008, version 2

### 1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY

Trade name: ACRY-HARD WB PRIMER

Trade code: CAW06

Product type and use: Catalyst for coating products

Company:

Ind. Chimica Reggiana spa Via Gasparini, 7 42100 REGGIO EMILIA Italia Tel. +39  
0522517803 Fax +39 0522514384

Emergency telephone number of the company and/or of an authorised advisory centre:

Centro Antiveleni - Policlinico Umberto I, Roma - Tel. 06-49978000

Competent person responsible for the safety data sheet: sdspg@icrsprint.it

### 2. HAZARDS IDENTIFICATION

The product is a liquid that can catch fire at temperatures in excess of 21 °C if exposed to an ignition source.

If brought into contact with the skin, the product may cause sensitisation of the skin.

Vapours of the product may cause drowsiness and dizziness.

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components within the meaning of EEC directive 67/548 and corresponding classification:

50% - 60% Omopolimero di esametilen-1, 6 diisocianato

CAS: 28182-81-2

Xi; R43

25% - 30% n-butyl acetate

N.67/548/CEE: 607-025-00-1 CAS: 123-86-4 EC: 204-658-1

R10-66-67; substance with a Community workplace exposure limit

10% - 12.5% 2-butoxyethyl acetate

N.67/548/CEE: 607-038-00-2 CAS: 112-07-2 EC: 203-933-3

Xn; R20/21

3% - 5% solvent naphtha (petroleum), light aromatic

N.67/548/CEE: 649-356-00-4 CAS: 64742-95-6 EC: 265-199-0

Xn, Xi, N; R10-37-51-53-65

0.25% - 0.5% 4-isocyanatosulphonyltoluene

N.67/548/CEE: 615-012-00-7 CAS: 4083-64-1 EC: 223-810-8

Xn, Xi; R14-36/37/38-42

### 4. FIRST AID MEASURES

Contact with skin:

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.

Contact with eyes:

Do not use eyewash or ointment of any kind (before obtaining an examination or advice from an eye specialist).

Wash immediately with water for at least 10 minutes.

Swallowing:

Induce vomiting. SEEK A MEDICAL EXAMINATION IMMEDIATELY and present the safety-data sheet.

A suspension of activated charcoal in water, or liquid paraffin may be administered.

Inhalation:



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Ventilate the premises. The patient is to be removed immediately from the contaminated premises and made to rest in a well ventilated area. Should the patient feel unwell, OBTAIN MEDICAL ATTENTION.

### 5. FIRE-FIGHTING MEASURES

Recommended extinguishers:  
CO2 or Dry chemical fire extinguisher.  
Extinguishers not to be used:  
None in particular.  
Risks arising from combustion:  
Avoid inhaling the fumes.  
Protective equipment:  
Use protection for the respiratory tract.  
Cool the containers exposed to the fire with water.

### 6. ACCIDENTAL RELEASE MEASURES

Measures for personal safety:  
Use a mask, gloves and protective clothing.  
Environmental measures:  
Limit leakages with earth or sand.  
Eliminate all unguarded flames and possible sources of ignition. Do not smoke.  
If the product has escaped into a water course, into the drainage system, or has contaminated the ground or vegetation, notify the competent authorities.  
Cleaning methods:  
Rapidly recover the product. To do so, wear a mask and protective clothing.  
If the product is in a liquid form, stop it from entering the drainage system.  
Recover the product for re-use if possible, or for elimination. The product might, where appropriate, be absorbed by inert material.

### 7. HANDLING AND STORAGE

Handling precautions:  
Avoid contact and inhalation of the vapours. See, too, paragraph 8 below.  
Do not eat or drink while working.  
Do not smoke while working.  
Storage conditions:  
Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.  
Instructions as regards storage premises:  
Cool and adequately ventilated.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Precautionary measures:  
Give adequate ventilation to the premises where the product is stored and/or handled.  
Respiratory protection:  
Use respiratory protection where ventilation is insufficient or exposure is prolonged, e.g. CEN/FFP-2(S) or CEN/FFP-3(S).  
Use adequate protective respiratory equipment, e.g. CEN/FFP-2(S) or CEN/FFP-3(S).  
Protection for hands:  
Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.  
Eye protection:  
Use close fitting safety goggles and/or visor conforming to BS 2092 GRADE 1).  
Protection for skin:  
Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.  
Exposure limit(s) (ACGIH):

Name	TLV - TWA	TLV - STEL
n-butyl acetate	100 ppm	150 ppm
2-butoxyethyl acetate	20 ppm (MAK)	

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and colour:	Transparent flowing compound
Odour:	Typical
Flash point:	21°C ≤ fp < 55°C
Relative density:	1.04 ± 0.05 g/cm <sup>3</sup>

### 10. STABILITY AND REACTIVITY

Conditions to avoid:

Stable under normal conditions.

Substances to avoid:

None in particular.

Avoid all contact with water or with moist air.

Avoid contact with combustible materials. The product could catch fire.

Hazardous decomposition products:

It may generate flammable gases on contact with elementary metals (alkalis and alkaline earth, alloys in powder or vapours) and powerful reducing agents.

It may generate toxic gases on contact with oxidising mineral acids, and powerful oxidising agents.

It may catch fire on contact with oxidising mineral acids, and powerful oxidising agents.

### 11. TOXICOLOGICAL INFORMATION

The concentration of each substance should be borne in mind in assessing the toxicological effects deriving from the preparation.

Set out below is the toxicological information relating to the main substances in the preparation.

n-butyl acetate

OBSERVATIONS ON HUMAN SUBJECTS:

Inhalation: 3300 ppm (16 mg/l), for short periods, cause serious irritation to the eyes and to the nose.

Inhalation: 200-300 ppm (1-1.4 mg/l), for short periods, cause moderate irritation to the eyes and to the nose.

Inhaling the vapours can irritate the respiratory system.

The vapours can cause headache and nausea. As a liquid it can irritate the eyes and cause conjunctivitis, it can irritate the skin and cause dermatitis and, if swallowed, causes inebriation, hallucinations and sedation.

Symptoms of illness at 500 ppm. Serious toxic effects at 2,000 ppm for 60 min.

TCLo: 200 ppm

solvent naphtha (petroleum), light aromatic

ACUTE: Inhalation: Vapor concentration above recommended exposure levels may be irritating to the eyes and the respiratory tract, may cause headaches and dizziness, could be anesthetic and may other nervous system effects.

Skin contact: Low order of toxicity. Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.

Eye contact: Will cause eye discomfort, but will not injure eye tissue.

Ingestion: Small amounts of liquid aspirated into the respiratory system during ingestion or from vomiting may cause bronchopneumonia or pulmonary edema. Minimal toxicity.

### 12. ECOLOGICAL INFORMATION

Adopt good working practices, so that the product is not released into the environment.

List of substances dangerous for the environment and corresponding classification:

3% - 5% solvent naphtha (petroleum), light aromatic

N.67/548/CEE: 649-356-00-4 CAS: 64742-95-6 EC: 265-199-0

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### 13. DISPOSAL CONSIDERATIONS

The waste of non-polymerized material must be considered as "Toxic and Harmful" waste, because the presence of organic solvents is higher than what allowed by European laws.

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The empty containers must be considered special waste materials(Art. 5 D.P.R. 915/82) to take to dump of type 2B. If previously cleansed, they can be admitted in first class dumps.  
Recover if possible. In so doing, comply with the local and national regulations currently in force.

### 14. TRANSPORT INFORMATION

ADR-UN number: 1263  
Shipping name: Paints  
ADR Packing Group: III  
ADR Classification Code: F1  
Limited quantities, not subject to ADR norms:- Combined packaging: for internal packaging of up to 5 liters and packs of up to 45 liters- Internal packaging on trays and with heat-shrink wrapping or stretched wrapping: for internal packaging of up to 5 liters and packs of up to 20 kg

IMDG-Class: 3.3  
IMDG-Un number: 1263  
Shipping name: Paints  
IMDG-Label: 3  
IMDG-Packing group: III  
IMDG-EMS: F-E, S-E  
IMDG-MFAG: 310

### 15. REGULATORY INFORMATION

Council Directive 67/548/EEC (Classification, packaging and labelling of dangerous substances) and subsequent amendments. Commission Directive 1999/45/EC (Classification, packaging and labelling of dangerous preparation) and subsequent amendments. Commission Directive 98/24/EC (Protection of the health and safety of workers from the risk related to chemical agent). Commission Directive 2000/39/EC (Occupational exposure limit values). Regulation (EC) No 1907/2006 (REACH).

Symbols:

Xi Irritant

R Phrases:

R10 Flammable.

R43 May cause sensitization by skin contact.

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R67 Vapours may cause drowsiness and dizziness.

S Phrases:

S23 Do not breathe spray

S36/37 Wear suitable protective clothing and gloves.

S51 Use only in well-ventilated areas.

Contents:

Omopolimero di esametilen-1, 6 diisocianato

Special Provisions:

Contains isocyanates. See information supplied by the manufacturer.

Volatile Organic compounds - VOCs = 428.48 g/l

Volatile CMR substances = 0.00 g/Kg

Halogenated VOCs which are assigned the risk phrase R40 = 0.00 g/Kg

Organic Carbon - C = 0.27

Where applicable, refer to the following regulatory provisions :

Directive 82/501/EEC ('Activities linked to risks of serious accidents') and subsequent amendments.

1999/13/EC (VOC directive)

### 16. OTHER INFORMATION

Text of R phrases referred to under heading 3:

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## ACRY-HARD WB PRIMER

R10 Flammable.  
R14 Reacts violently with water.  
R20/21 Harmful by inhalation and in contact with skin.  
R36/37/38 Irritating to eyes, respiratory system and skin.  
R37 Irritating to respiratory system.  
R42 May cause sensitization by inhalation.  
R43 May cause sensitization by skin contact.  
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R65 Harmful: may cause lung damage if swallowed.  
R66 Repeated exposure may cause skin dryness or cracking.  
R67 Vapours may cause drowsiness and dizziness.

Paragraphs modified from the previous revision:

2. HAZARDS IDENTIFICATION  
3. COMPOSITION/INFORMATION ON INGREDIENTS  
15. REGULATORY INFORMATION  
16. OTHER INFORMATION

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre,  
Commission of the European Communities  
SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van  
Nostrand Reinold  
ACGIH - Threshold Limit Values - 2004 edition

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality. It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.  
This MSDS cancels and replaces any preceding release.