

## ASTRA CATALIZZATORE LENTO PER POLIESTERI (AL 2%)

### MATERIAL SAFETY DATA SHEET

Hazardous according to criteria of Worksafe Australia

#### 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

CODE: 0018488  
PRODUCT NAME CATALIZZATORE LENTO PER POLIESTERI (AL 2%)

#### 1.2 USE OF THE SUBSTANCE / PREPARATION

#### 1.3 COMPANY IDENTIFICATION

Name ASTRA PAINTS (AUST) PTY LTD  
Full address 280 Wolsley Place, Thomastown 3074  
District and Country Victoria, Australia  
Tel. 03 9469 5711 Fax 03 9469 5722

#### 1.4 EMERGENCY TELEPHONE

For urgent inquiries refer to 280 Wolsley Place, Thomastown 3074.

#### 2. COMPOSITION / INFORMATION ON INGREDIENTS

Contains:			
METHYLETHYLKETONE PEROXIDE	19,1 <= C < 20,7	C	R34
CAS NO 1338-23-4		XN	R22
CE NO 215-661-2			
DYMETHYL FTALATE	47,8 <= C < 50,3	XN	R62
CAS NO 131-11-3		N	R50
CE NO 205-011-6			
IDROPEROSSIDO DI TERZ-BUTILE	14 <= C < 15,5	F	R11
CAS NO 75-91-2			R34
CE NO 200-915-7		XN	R22
4-HYDROXY-4-METHYLPENTAN-2-ONE	8,4 <= C < 9,9	XI	R36
CAS NO 123-42-2			
CE NO 204-626-7			
INDEX NO 603-016-00-1			

The complete text of -R- phrases is specified in section 16.



### 3. HAZARDS IDENTIFICATION

#### 3.1 SUBSTANCE/PREPARATION CLASSIFICATION

This preparate is dangerous under 67/548/EEC and 1999/45/EC regulations and subsequent amendments. Therefore, this preparate requires a safety data sheet according to the 91/155/EC regulation and subsequent amendments. Further information on health and/or environmental hazards can be found in sections 11 and 12 of this sheet.

Danger Symbols:

O-C-N

Phrases R:

7-10-22-34-50-62

#### 3.2 DANGER IDENTIFICATION

MAY CAUSE FIRE.

Because of its chemical-physical features, this product is graded as flammable (flash-point 21 °C or higher and 55 °C or lower).

HARMFUL IF SWALLOWED.

CAUSES BURNS.

VERY TOXIC TO AQUATIC ORGANISMS.

POSSIBLE RISK OF IMPAIRED FERTILITY.

### 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 again.

#### INHALATION

Remove to open 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

Allow containers to cool in order to avoid product decomposition and generation of substances which might injure the health and be dangerous for safety reasons. Wear the fire equipment all the time.

### 6. ACCIDENTAL RELEASE MEASURES

Extinguish the sources of ignition or heat; cover the spillage with inert absorbent material. Collect as far as possible the resulting mass and discard the remainder by spraying water.

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.

### 7. HANDLING AND STORAGE

Store in a well ventilated 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.

## 8. EXPOSURE CONTROL / PERSONAL PROTECTION.

METHYLETHYLKETONE PEROXIDE				
- TLV TWA	590	mg/m3	ACGIH	
- TLV STEL	885	mg/m3	ACGIH	
- TLV CEILING	1,5	mg/m3	ACGIH	C 1,5
DYMETHYL FTALATE				
- TLV TWA	5	mg/m3	ACGIH	5,0
4-HYDROXY-4-METHYLPENTAN-2-ONE				
- TLV TWA	238	mg/m3		

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 overall. 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:	Colourless
Odour:	Strong
Physical Appearance	Liquid
Solubility:	Partially miscible
Viscosity	Non determ.
Vapour density:	N.A.
Evaporation speed:	N.a.
Comburent properties:	Si
Partition coefficient (n-octanol/water)	N.a.
Specific Weight (KGs./dm <sup>3</sup> ):	1,100
Solid Content % (±1):	50
VOC % (Volatile Organic Compounds) (±1):	50
	N.A.
	N.A.
pH	N.A.
Boiling point	N.A.
Flash point	>52°C
	52°C
Explosive properties	N.A.
Vapour pressure	N.A.
Specific gravity	1,100Kg/l

## 10. STABILITY AND REACTIVITY

The product is stable in normal conditions of use and storage. Due to thermal decomposition or in the event of a fire vapours may be produced potentially dangerous to health.

Warnings: the mix between ACCELERATOR for POLYESTERS and all the REDUCEING substances develops a violent and exoterm reaction.

Ftalato di dimetile: reagisce in modo esplosivo con cloro liquido; evitare il contatto con nitrati, ossidanti forti, alcali e acidi forti che possono provocare esplosioni. E' biodegradabile (MITI, 1984).

Diacetone alcohol decomposes to acetone and mesityl oxide when heated; in the same manner, it reacts with acids and bases and strong oxidizing agents.

## 11. TOXICOLOGICAL INFORMATION

Acute effects: ingestion of this product is harmful. Even small amounts of product may cause serious health problems (stomach pain, nausea, sickness, diarrhoea). This product may slightly irritate mucosae, the upper respiratory tract, eyes, and skin. Exposure symptoms may include: sting, cough, asthma, laryngitis, respiratory disorders, headache, nausea and sickness.

This product is corrosive and causes abrasions of skin surface, accompanied by rubefaction, warmth and sting. In the most serious cases, small vesicles appear, which cause strong sting and pain. Upon contact with eyes, it may cause serious harm, such as cornea opacity, iris lesions, irreversible eye coloration. Possible vapours are caustic for the respiratory system and may cause pulmonary edema, whose symptoms sometimes arise only after some hours. Exposure symptoms may include: sting, cough, asthma, laryngitis, respiratory disorders, headache, nausea and sickness. If swallowed, it may cause mouth, throat and oesophagus burns; sickness, diarrhoea, edema, larynx swelling and, consequently, asphyxia. Perforation of the gastro-intestinal tract is also possible.

This product must be handled carefully because of its possible teratogenic effects, which may reduce human fertility.

Diacetone alcohol: its acute toxicity is manifested by irritation of the eyes, nose and throat in man at 100 ppm (476 mg/kg) and by pulmonary disorders at 400 ppm. No chronic effects have been reported in man.

## 12. ECOLOGICAL INFORMATION

This product is dangerous for the environment and highly toxic for aquatic organisms.

## 13. DISPOSAL CONSIDERATION

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 INFORMATION

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 packagings or in packagings 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:	5.2
UN:	3105
Packing Group:	II
Label:	5.2
Proper Shipping Name:	Paint or paint related material

Carriage by sea (shipping):

IMO class:	5.2
UN:	3105
Packing Group:	II
Label:	5.2
EMS:	F-J, S-R
Proper Shipping Name:	Organic peroxide type D, liquid

Transport by air:	
IATA:	5.2
UN:	3105
Packing Group:	II
Label:	5.2
Cargo:	
Packaging instructions:	500
Maximum quantity:	10 Lt.
Pass.:	
Packaging instructions:	502
Maximum quantity:	5 Lt.
Special Instructions:	A2

## 15. REGULATORY INFORMATION

C	O	N
		
CORROSIVE	OXIDIZING	DANGEROUS FOR THE ENVIRONMENT

R 7	MAY CAUSE FIRE.
R10	FLAMMABLE.
R22	HARMFUL IF SWALLOWED.
R34	CAUSES BURNS.
R50	VERY TOXIC TO AQUATIC ORGANISMS.
R62	POSSIBLE RISK OF IMPAIRED FERTILITY.
S 7	KEEP CONTAINER TIGHTLY CLOSED.
S14	KEEP AWAY FROM . . . (INCOMPATIBLE MATERIALS TO BE INDICATED BY THE MANUFACTURER).
S18	HANDLE AND OPEN CONTAINER WITH CARE.
S23	DO NOT BREATHE GAS/FUMES/VAPOUR/SPRAY.
S26	IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE.
S29	DO NOT EMPTY INTO DRAINS.
S36/37/39	WEAR SUITABLE PROTECTIVE CLOTHING, GLOVES AND EYE/FACE PROTECTION.
S45	IN CASE OF ACCIDENT OR IF YOU FEEL UNWELL, SEEK MEDICAL ADVICE IMMEDIATELY (SHOW THE LABEL WHERE POSSIBLE).
S61	AVOID RELEASE TO THE ENVIRONMENT. REFER TO SPECIAL INSTRUCTIONS/ SAFETY DATA SHEETS.

Contains:  
 METHYLETHYLKETONE PEROXIDE  
 DYMETHYL FTALATE

Danger labelling under regulations 67/548/EEC and 1999/45/EC and following amendments and adjustments.

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC regulation is respected.

## 16. OTHER INFORMATION

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

R11	HIGHLY FLAMMABLE.
R22	HARMFUL IF SWALLOWED.
R34	CAUSES BURNS.
R36	IRRITATING TO EYES.
R50	VERY TOXIC TO AQUATIC ORGANISMS.
R62	POSSIBLE RISK OF IMPAIRED FERTILITY.

## GENERAL BIBLIOGRAPHY

1. Regulation 1999/45/CE and following amendments;
2. Regulation 67/548/CEE and following amendments and adjustments (technical adjustment XXIX);
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.

