

Product : **MIXLAND AZTF 75% BE/GE**

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Version : 2

Date : 05/21/2008

Cancels and replaces version 1 of 01/25/2007

## 01 - IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY / UNDERTAKING

PRODUCT NAME	DIAZENEDICARBOXAMIDE
SUPPLIER	MLPC International 209 Avenue Charles DESPIAU 40370 RION DES LANDES Tel : 33-5-58-57-02-00 (International) 05-58-57-02-00 (France) Fax : 33-5-58-57-02-05 (International) 05-58-57-02-05 (France)
Emergency telephone number	33-5-58-57-02-00 (International) 05-58-57-02-00 (France)
ORPHILA	33-1-45-42-59-59 (International) 01-45-42-59-59 (France)

## 02 - HAZARDS IDENTIFICATION

MOST IMPORTANT HAZARDS	SAFETY INFORMATION : PLEASE READ THIS SHEET CAREFULLY
HEALTH EFFECTS	May cause sensitization by inhalation.
PHYSICAL AND CHEMICAL HAZARDS	At high temperature : thermal decomposition giving toxic products.
SPECIFIC HAZARDS / EC	HARMFUL May cause sensitization by inhalation. Risk of explosion if heated under confinement.

## 03 - COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME OF THE SUBSTANCE	AZODICARBONAMIDE
* CAS	123-77-3 DIAZENEDICARBOXAMIDE PARAFFINIC OIL 9010-79-1 ETHYLENE PROPYLENE COPOLYMER
* EINECS / ELINCS	204-650-8 DIAZENEDICARBOXAMIDE PARAFFINIC OIL ETHYLENE PROPYLENE COPOLYMER
TSCA	Listed
CHEMICAL NATURE OF THE PREPARATION	DISPERSION OF DIAZENECARBOXAMID (75%) IN ELASTOMER
* ADDITIVES	Paraffinic oil (10 %) PCA's (IP346) < 3% No CE labelling
HAZARDOUS COMPONENTS	DIAZENEDICARBOXAMIDE (75 %)

## 04 - FIRST AID MEASURES

GENERAL ADVICE	Take off immediately all contaminated clothing (including shoes).
INHALATION	Move to fresh air. Oxygen or artificial respiration if needed. Hospitalize immediately..
SKIN CONTACT	Wash immediately and abundantly with water. In case of important contact : seek a medical advice.
EYE CONTACT	Wash immediately and abundantly with water for at least 15 minutes. If irritation persists, consult an ophthalmologist.
INGESTION	Do not induce vomiting, rinse mouth and lips with plenty of water if the subject is conscious, then hospitalize immediately.

## 05 - FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA	Water spray, foam, dry powder.
SPECIFIC HAZARDS	Temperature above 200 °C : Thermal decomposition in toxic products (nitrogen, carbon monoxide, cyanhydric acid).
SPECIFIC METHODS	.
SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS	Wear a self-contained breathing apparatus and protection equipment.

## 06 - ACCIDENTAL RELEASE MEASURES

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PERSONAL PROTECTION	Avoid contact with skin, eyes and inhalation of dust.
ENVIRONMENTAL PROTECTION	Do not let the product enter into drains. Do not contaminate surface water.
METHODS FOR CLEANING UP	.
Recovery	Shovel up. Recover the product and place in a dry labelled container.
Disposal	To eliminate in an authorized incineration station or otherwise in compliance with law enforced regulations.

## 07 - HANDLING AND STORAGE

HANDLING	.
Technical measures / Precautions	Storage and handling precautions applicable to products : DUST FORMING. Provide appropriate exhaust and ventilation at machinery. Provide appropriate device to allow to rinse eyes.
Safe handling advice	Avoid accumulation of static discharges during transfers in metallic systems.
STORAGE	.
Technical measures / Storage conditions	Keep in a dry and well-ventilated place. Keep away from heat and sources of ignition.
Incompatible products	Acids, bases, metallic salts.
PACKAGING MATERIALS	.
Recommended	Boxes with polyethylene liner or polyethylen bags..

## 08 - EXPOSURE CONTROLS / PERSONAL PROTECTION

PROTECTIVE PROVISIONS	Provide sufficient air exchange and/or exhaust in work areas.
CONTROL PARAMETERS	.
Exposure limits	Dusts : FRANCE 1999 VME = 10 mg/m <sup>3</sup> Respirable dusts : FRANCE 1999 VME = 5 mg/m <sup>3</sup>
PERSONAL PROTECTION EQUIPMENT	.
Respiratory protection	Dust mask.
Hand protection	Gloves.
Eye protection	Safety glasses.
Skin and body protection	Protective clothing.
Specific hygiene measures	Maintain strict body hygiene. Avoid contact with skin, eyes and inhalation of dust.

## 09 - PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE (20°C)	Solid.
COLOR	Yellow to orange.
ODOUR	Nil.
pH	5 (in aqueous suspension : 1%)
MELTING POINT / RANGE	195 - 200 °C
DECOMPOSITION TEMPERATURE	195 - 220 °C
FLASH POINT	No flash point in the test conditions.
EXPLOSIVE LIMITS	.
Lower	No data available.
Higher	No data available.
VAPOUR PRESSURE	(20 °C) : < 1 hPa (solid)
BULK DENSITY	1360 kg/m <sup>3</sup> (20 °C)
SOLUBILITY	.
Water	Insoluble.

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Solvents Dimethylsulfoxide, dimethylformamide.  
PARTITION COEFFICIENT (n-octanol / water) log Pow = -1.7

## 10 - STABILITY AND REACTIVITY

CONDITION TO AVOID Keep away from heat and sources of ignition.  
MATERIALS TO AVOID Acids, bases, metallic salts.  
HAZARDOUS DECOMPOSITION PRODUCTS Temperature upper than 200 °C :  
Thermal decomposition in toxic products (nitrogen, carbon monoxide, cyanhydric acid).

## 11 - TOXICOLOGICAL INFORMATION

ACUTE TOXICITY .  
Inhalation Slightly harmful.  
Ingestion LD50 / oral / rat : > 6400 mg/kg  
LOCAL EFFECTS .  
Inhalation Risk of irritation of respiratory system.  
SPECIFIC EFFECTS GENOTOXICITY : not genotoxic.  
CARCINOGENICITY : not carcinogen.

## 12- ECOLOGICAL INFORMATION

PERSISTENCE / DEGRADABILITY .  
In water Biodegradation : 70% after 28 days.  
AQUATIC TOXICITY .  
Acute toxicity Fish : BRACHYDANIO RERIO LC0, 96 hours : 39 mg/l  
Daphnia : DAPHNIA MAGNA CE(l)50, 48 hours : 11 mg/l

## 13 - DISPOSAL CONSIDERATIONS

DISPOSAL OF PRODUCT To eliminate in an authorized incineration station or otherwise in compliance with law enforced regulations.  
DISPOSAL OF PACKAGING To eliminate as industrial or dangerous disposals in function of the nature and degree of pollutions.

## 14 - TRANSPORT INFORMATION

ADR / RID Not regulated.  
IMDG Not regulated.  
IATA Not regulated.  
FURTHER REGULATORY INFORMATION .  
DOT (USA) and TDG (CANADA) No data available.

## 15 - REGULATORY INFORMATION

EEC DIRECTIVE .  
SAFETY DATA SHEETS D.91/155/EEC amended by D.2001/58/CE : Dangerous substances and preparations.  
EC CLASSIFICATION / LABELLING D. 2001/59/EEC amended by D. 2004/73/EEC : (29 rd APT)  
DANGEROUS PREPARATIONS Xn (HARMFUL)  
R 42 May cause sensitization by inhalation.  
R 44 Risk of explosion if heated under confinement.  
S 16 Keep away from sources of ignition - No smoking.  
S 22 Do not breathe dust.  
SAFETY DATA SHEET D.2001/58/EC du 27/07/2001

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DANGEROUS PREPARATION

France : Arrêté du 9 novembre 2004 définissant les critères de classification et les conditions d'étiquetage et d'emballage des préparations dangereuses et transposant la directive 1999/45/CE du Parlement européen et du Conseil du 31 mai 1999.

OCCUPATIONAL DISEASES

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## 16 - OTHER INFORMATION

BIBLIOGRAPHY REFERENCES

Toxicity and safe handling of rubber chemicals (BRMA 1999).  
Dangerous properties of industrial chemicals (SAX 6th edition).  
Registry of toxic effects of chemicals substances (RTECS of NIOSH).  
Aquatic toxicology (VAN LEEUWEN 1985).  
INRS documentation.

Chemical Name :

AZODICARBONAMIDE

Risk Phrases

R42 ; R44

This information applies to the PRODUCT AS SUCH and conforming to specifications of MLPC International.

In case of formulations or mixtures, it is necessary to ascertain that a new danger will not appear.

The information contained is based on our knowledge of the product, at the date of publishing and it is given quite sincerely. However the revision of some data is in progress.

Users are advised of possible additional hazards when the product is used in application for which it was not intended. This sheet shall only be used and reproduced for prevention and security purposes.

The references to legislative, regulatory and codes of practice documents cannot be considered as exhaustive.

It is the responsibility of the person receiving the product to refer to the totality of the official documents concerning the use, the possession and the handling of the product.

It is also the responsibility of the handlers of the product to pass on to any subsequent persons who will come into contact with the product.

The ( \* ) indicate the modifications compared to the previous version.