

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 19.10.2012

Revision: 10.02.2012

1 Identification of the substance/mixture and of the company/undertaking

- **1.1 Product identifier**
- **Trade name:** ADINA
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / mixture** Fire retardant.
- **Not recommended uses** All except above mentioned uses.
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Jiří Vylimec MOVYCHEM
Švábska 1433, 951 31 Močenok, Slovak Republic
IČO: 33643539
Tel: +421 37 6552834
Fax: +421 37 6552420
Email: movychem@movychem.sk
- **Further information obtainable from:** EKO-ADR, s.r.o., ekoadr@ekoadr.sk
- **1.4 Emergency telephone number:**
Poisons Centres in Europe (consultation in case of acute intoxication):
<http://www.eapcct.org/index.php?page=links>

2 Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC** Void
- **Classification system:**
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.
- **Additional information:** Other informations - see section 9 - 12 MSDS.
- **2.2 Label elements**
- **Labelling according to EU guidelines:**
The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials.
- **Special labelling of certain preparations:**
Safety data sheet available for professional user on request.
- **2.3 Other hazards**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

- **3.2 Chemical characterization:**
- **Description:** Mixture: consisting of the following components.
- **Dangerous components:** Void

4 First aid measures

- **4.1 Description of first aid measures**
- **General information:** In the event of persistent symptoms receive medical treatment.
- **After inhalation:** Ensure of fresh air. In the event of symptoms refer for medical treatment.
- **After skin contact:**
In case of contact with skin wash off with soap and water. Remove contaminated clothing. Seek medical help if necessary.
- **After eye contact:**
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek medical help if necessary.
- **After swallowing:**
If swallowed by mistake wash out with plenty of water. Do not induce vomiting. Call doctor immediately.

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- **4.2 Most important symptoms and effects, both acute and delayed**
No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**
Product is non flammable.
CO₂, dry extinguisher, alcohol resistant foam (large fire). Cool container at risk with water jer spray. Fire-extinguishing activities according to surrounding.
- **For safety reasons unsuitable extinguishing agents:** Not determined.
- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:**
Do not stay in dangerous zone without self-contained breathing apparatus. Use chemical overall and equipment.
- **Additional information**
Cool container with spray water from a safe distance. Contain escaping vapours with water. Prevent fire-fighting water from entering surface water or groundwater.

6 Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
For non-emergency personnel:
Do not inhale vapours/aerosols. Ensure supply of fresh air in enclosed rooms. Avoid contact with eyes and skin.
For emergency responders:
More info in section 5.
- **6.2 Environmental precautions:** Do not discharge into the drains/surface waters/groundwater.
- **6.3 Methods and material for containment and cleaning up:**
Spilled product mechanically collect and then place in suitable containers. Follow disposal is governed by regulations set out in section 13, watch the value in section 8. The affected area and used tools thoroughly wash with suitable detergent, do not use solvents.
- **6.4 Reference to other sections**
See section 7 for information on safe handling. See section 8 for information on personal protective equipment. See section 13 for information on safe disposal.

7 Handling and storage

- **7.1 Precautions for safe handling**
Before the usage check out sections 2, 6, 8 and 11. Don't breathe aerosols/fumes. Eating, drinking, smoking as well as food storage, is prohibited in work room.
- **Information about fire - and explosion protection:** No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool, dry place.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:** None.
- **7.3 Specific end use(s)** Right usage of product is enclosed in product documentation or on label.

8 Exposure controls/personal protection

- **8.1 Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace under EU law (for more information check out the national/local requirements).

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- **8.2 Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
The usual precautionary measures are to be adhered to when handling chemicals.
- **Respiratory protection:** Not required.
- **Hand protection:**



Protective gloves (EN 374).

- **Material of gloves** Rubber gloves (EN 374).
- **Penetration time of glove material**
Glove material must be impermeable and resistant against product / substance / preparation. Gloves material should comply with breakthrough times, permeation rates, and degradation. Requirements can vary as a function of the use. Therefore it is necessary to adhere additionally to the recommendations given by the manufacturer of protective gloves.
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye/face protection:**



Protective goggles (EN 166).

- **Body protection:** Protective work clothing.
- **Environmental exposure controls** Not relevant.
- **Risk management measures** Not available.

9 Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

· Appearance:

Form:	Pasty
Colour:	Light grey White

· Odour:	Characteristic
· Odour threshold:	Not determined.

· pH-value:	8,3
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· Change in condition

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	Undetermined.

· Flash point:	Not applicable.
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· Flammability (solid, gaseous):	Not determined.
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· Auto-ignition temperature:	Not determined.
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· Decomposition temperature:	Not determined.
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· Self-igniting:	Product is not selfigniting.
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· Danger of explosion:	Product does not present an explosion hazard.
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· Explosion limits:

Lower:	Not determined.
Upper:	Not determined.

· Vapour pressure:	Not applicable.
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· Relative density:	1,314 g/cm ³
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· Vapour density	Not applicable.
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· Evaporation rate	Not applicable.
· Solubility in / Miscibility with water:	Partly miscible.
· Partition coefficient (n-octanol/water):	Not determined.
· Viscosity:	
Dynamic:	Not applicable.
Kinematic:	Not applicable.
· Solvent content:	
VOC (EC)	0 %
Non-volatile substances:	67,1 % (dry mass)
· 9.2 Other information	No further relevant information available.

10 Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** See section 7.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** See above section "Possibility of hazardous reactions".
- **10.6 Hazardous decomposition products:** See section 5.

11 Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity:**

- **LD/LC50 values relevant for classification:**

115-77-5 pentaerythritol

Oral	LD50	19500 mg/kg (rat)
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108-78-1 melamine

Oral	LD50	3161 mg/kg (rat)
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- **Primary irritant effect:**

- **on the skin:**

Based on the available data are not met the criteria for classification.
No irritant effect.

- **on the eye:**

Based on the available data are not met the criteria for classification.
Slightly irritating.

- **Sensitization:** No sensitizing effects known.

- **Inhalation:** Based on the available data are not met the criteria for classification.

- **Ingestion:** Based on the available data are not met the criteria for classification.

- **Additional toxicological information:**

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

The product was not tested.

- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):** No CMR effects.

12 Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.

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- **12.4 Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**
Do not allow product to reach ground water, water course or sewage system, even in small quantities.
Not classified as hazardous for environment.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

13 Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation** Smaller quantities can be disposed of with household waste.
- **European waste catalogue**
Catalogue numbers with an asterisk (*) indicate hazardous wastes (H), numbers without asterisk indicates non-hazardous waste (NH).

16 03 06	organic wastes other than those mentioned in 16 03 05
15 01 02	plastic packaging
15 01 04	metallic packaging

- **Uncleaned packaging:**
- **Recommendation:** Dispose as a non hazardous waste.

14 Transport information

· 14.1 UN-Number · ADR, ADN, IMDG, IATA	Void
· 14.2 UN proper shipping name · ADR, ADN, IMDG, IATA	Void
· 14.3 Transport hazard class(es) · ADR, IMDG, IATA · Class	Void - Void
· ADN/R Class:	Void
· 14.4 Packing group · ADR, IMDG, IATA	Void
· 14.5 Environmental hazards: · Marine pollutant:	Not applicable. No
· 14.6 Special precautions for user	Not applicable.
· 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
· Transport/Additional information:	Not dangerous according to the above specifications.

15 Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Tactile warnings** It may not be placed on the packaging.
- **Packaging to be fitted with child-resistant fastenings** It may not be placed on the packaging.
- **European legislation:**
REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures (CLP), amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH),

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establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

COMMISSION REGULATION (EU) No 453/2010 amending Regulation (EC) No 1907/2006 REACH.

· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.
Classification of product was in accordance with Directive 1999/45/EC.

· **Training hints** Workers must be trained in accordance with local provisions.

· **Abbreviations and acronyms:**

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

NLP: No-Longer Polymers

CAS: Chemical Abstract Service

SDS: Safety Data Sheet

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

CLP – Classification, Labeling and Packaging of substances and mixtures (abbreviation for Regulation 2008/1278/EC)

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

VOC: Volatile Organic Compounds (USA, EU), TOC: Total Organic Compounds

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

ICAO: International Civil Aviation Organization

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

EU