

SECTION 1: Identification of the substance/mixture and of the company undertaking**1.1 Product identifier:**

Trade Name: ADINO HM 9451.0

1.2 Relevant identified uses of the substance and uses advised against:

Relevant identified uses of the substance or mixture: Adhesives

Uses advised against : Restricted to professional users.

1.3 Details of the supplier of the safety data sheet:

Adino GmbH

Lange Wand 16

D-27753 Delmenhorst

Tel. +49 4221-98 3010 /30

E-Mail: qc@adinoklebstoffe.de

1.4 Emergency telephone number:

+49 / (0)700 24112112 (AKR)

SECTION 2: Hazard Identification**2.1 Classification of the substance or mixture:**

Classification according to Regulation (EC) No 1272/2008 (CLP)

The mixture is not classified as dangerous in the terms of the Regulation (EC) 1272/2008 (CLP)

2.2 Label elements:

Labelling according to Regulation (EC) No 1272/2008

The product is not subject to hazard labeling pursuant to EC Regulation 1272/2008 (CLP)

(and subsequent amendments and supplements)

Hazard pictograms : --

Signal word : --

Hazard-determining components of labelling: --

Hazard statements : --

Precautionary statements : --

2.3 Other hazards

No information available at present.

SECTION 3: Composition/Information on Ingredients**3.1 Substance**

n.a.

3.2 Mixtures

The product does not contain substances classified as being hazardous to human health or the environment pursuant to EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements)

SECTION 4: First aid measures**4.1 Description of first aid measures:**

Not specifically necessary. Observance of good industrial hygiene is recommended.

4.2 Most important symptoms and effects, both acute and delayed

No episodes of damage to health ascribable to the product have been reported

4.3 Indication of any immediate medical attention and special treatment needed

Information not available.

SECTION 5: Firefighting measures**5.1 Extinguishing media****Suitable extinguishing agents**

CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.

Unsuitable extinguishing media

High volume water jet.

5.2 Special Hazards arising from the substance or mixture

In case of fire the following can develop: Oxides of carbon, Oxides of nitrogen, Isocyanates, Hydrocyanic acid (hydrogen cyanide), Toxic gases, Danger of bursting (explosion) when heated

5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Protective respirator with independent air supply. According to size of fire. Full protection, if necessary. Cool container at risk with water. Dispose of contaminated extinction water according to official regulations.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedure.**

Ensure sufficient supply of air. Avoid inhalation, and contact with eyes or skin. Use breathing equipment if fumes or powders are released into the air. These indications apply for both processing staff and those involved in emergency procedures.

6.2 Environmental precautions.

If leakage occurs, dam up. Resolve leaks if this possible without risk. Prevent surface and ground-water infiltration, as well as ground penetration. Prevent from entering drainage system. If accidental entry into drainage system occurs, inform responsible authorities.

6.3 Methods and material for containment and cleaning up.

Confine using earth or inert material. Collect as much material as possible and eliminate the rest using jets of water. Contaminated material should be disposed of in compliance with the provisions set forth on point 13.

6.4 Reference to other sections.

For personal protective equipment see Section 8 and for disposal instructions see Section 13.

SECTION 7: Handling and storage

In addition to information given in this section, relevant information can also be found in section 8 and 6.1.

7.1 Precautions for safe handling.**7.1.1 General recommendations**

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use.

7.1.2 Notes on general hygiene measures at the workplace

General hygiene measures for the handling of chemicals are applicable. Wash hands before breaks and at end of work. Keep away from food, drink and animal feedingstuffs. Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

7.2 Conditions for safe storage, including any incompatibilities.

Keep the product in clearly labelled containers. Keep containers away from any incompatible materials, see section 10 for details.

7.3 Specific end use(s)

No further relevant information available.

SECTION 8: Exposure control/personal protection

Additional information about design of technical systems: No further data; see item 7.

8.1 Control parameters

Information not available.

8.2 Exposure controls.

8.2.1 Appropriate engineering controls

Information not available.

8.2.2 Individual protection measures, such as personal protective equipment

General hygiene measures for the handling of chemicals are applicable.

None Required.

Eye/face protection:

None Required.

Skin protection - Hand protection:

None Required.

Skin protection - Other:

Protective working garments (e.g. safety shoes EN ISO 20345, long-sleeved protective working garments)

Respiratory protection:

None required, unless indicated otherwise in the chemical risk assessment.

Thermal hazards:

Not applicable

8.2.3 Environmental exposure controls

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

SECTION 9: Physical and Chemical properties

9.1 Information on basic physical and chemical properties.

General Information

Appearance:	
Form:	<i>Solid</i>
Colour:	<i>.0 = Natural</i>
Smell:	<i>Characteristic</i>
Odour threshold:	<i>Not determined.</i>
pH-value:	<i>Not applicable.</i>
Change in condition	
Melting point/Melting range:	<i>Not determined.</i>
Boiling point/Boiling range:	<i>Not determined.</i>
Flash point:	<i>>100 °C</i>
Inflammability (solid, gaseous)	<i>n.a.</i>
Ignition temperature:	<i>n.a.</i>
Decomposition temperature:	<i>Not determined.</i>
Spontaneous combustion:	<i>Not determined.</i>
Danger of explosion:	<i>Not determined.</i>
Critical values for explosion:	
Lower:	<i>Not determined.</i>
Upper:	<i>Not determined.</i>
Vapour pressure at 20 °C:	<i>Not determined.</i>
Density at 20 °C	
Relative density	<i>~1.10 g/ml</i>
Vapour density	<i>Not determined.</i>

Evaporation rate.	Not determined
Solubility in / Miscibility with Water:	Not miscible
Distribution ratio (n-octanol/water):	Not determined.
Viscosity: <i>Dynamic at 140 °C:</i> <i>Dynamic at 200 °C:</i>	Not determined. Not determined.
kinematic:	Not determined.
Explosive properties:	Product is not explosive
Oxidizing properties:	Not applicable
9.2 Other information	
<i>Miscibility:</i> <i>Fat solubility / solvent:</i> <i>Conductivity:</i> <i>Surface tension:</i> <i>Solvents content:</i> <i>Solid content:</i> <i>Softening temperature:</i>	Not determined. Not determined. Not determined. Not determined. Not determined. 100.00% Not determined.

SECTION 10: Stability and reactivity

10.1 Reactivity

There are no particular risks of reaction with other substances in normal conditions of use.

10.2 Chemical stability.

Stable with proper storage and handling.

10.3 Possibility of hazardous reactions.

No hazardous reactions are foreseeable in normal conditions of use and storage.

10.4 Conditions to avoid.:

None in particular. However, the usual precautions used for chemical products should be respected.

10.5 Incompatible materials.:

Information not available.

10.6 Hazardous decomposition products.

Information not available.

SECTION 11: Toxicological information

Possibly more information on health effects, see Section 2.1 (classification).

11.1 Information on toxicological effects.

Acute toxicity :

LD/LC50 values that are relevant for classification:

Toxicity/effect	Endpoint	Value	Note
Acute toxicity, by oral route:	LD50	Not classified (no significant component).	
Acute toxicity, by dermal route:	LD50	Not classified (no significant component).	
Acute toxicity, by inhalation:	LD50	Not classified (no significant component).	

Primary irritant effect:

Skin corrosion/irritation : Based on available data, the classification criteria are not met.

Serious eye damage/irritation : Based on available data, the classification criteria are not met.

Respiratory or skin sensitization : Based on available data, the classification criteria are not met.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Germ cell mutagenicity Based on available data, the classification criteria are not met.
Carcinogenicity Based on available data, the classification criteria are not met.
Reproductive toxicity Based on available data, the classification criteria are not met.
STOT-single exposure Based on available data, the classification criteria are not met.
STOT-repeated exposure Based on available data, the classification criteria are not met.
Aspiration hazard Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or contaminate soil or vegetation.

12.1 Toxicity

Information not available.

12.2 Persistence and degradability

Information not available.

12.3 Bioaccumulative potential

Information not available.

12.4 Mobility in soil.

Information not available.

12.5 Other adverse effects

Information not available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation:

Must not be disposed of together with household garbage.
 Do not allow product to reach sewage system.
 Hand over to disposers of hazardous waste.

13.2 Waste treatment methods

Recommendation:

Pay attention to local and national official regulations
 Empty container completely.
 Uncontaminated packaging can be recycled.
 Dispose of packaging that cannot be cleaned in the same manner as the substance.
 15 01 10 packaging containing residues of or contaminated by dangerous substances

SECTION 14: Transport information

14.1 UN-Number ADR, ADN, IMDG, IATA	not applicable
14.2 UN proper shipping name ADR, ADN, IMDG, IATA	not applicable.
14.3 Transport hazard class(es) ADR, ADN, IMDG, IATA Class	not applicable.
14.4 Packing group ADR, IMDG, IATA	not applicable.
14.5 Environmental hazards: Marine pollutant:	not applicable. no.

14.6 Special precautions for user	<i>not applicable.</i>
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	<i>Non-dangerous material according to Transport Regulations.</i>
UN "Model Regulation":	-

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture :

No further relevant information available.

15.2 Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

These data are based on our present knowledge. They shall, however, not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. All standard industrial precautions apply, concerning protection of health, and safe handling. The recommendations have to be examined in the context of the application for which the product is intended,

Abbreviations and acronyms:

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

ICAO: International Civil Aviation Organisation

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

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent