

Safety Data Sheet

ADDCURE 9360



Xi



Safety Data Sheet dated 28/7/2013, version 1

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product Identifier

Mixture identification:
Trade name: ADDCURE 9360
Trade code: PF00038

1.2 Relevant identified uses of the substance/mixture and uses advised against

1.3 Details of the supplier of the safety data sheet

Company:
Jubail Chemical Industries Company (Jana)
PO Box 11919 Jubail Industrial City, 31961
Saudi Arabia
tel. +966 33478888 ext 555 fax +966 3347 6705

Competent person responsible for the safety data sheet:

CSR@nama.com.sa

1.4 Emergency telephone number

Jana
tel +966 555187961

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Directive criteria, 67/548/CE, 99/45/EC and following amendments thereof:


Properties / Symbols:

Xi Irritant

R Phrases:

R43 May cause sensitization by skin contact.
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

EC regulation criteria 1272/2008 (CLP):

 Warning, Skin Sens. 1, May cause an allergic skin reaction.

Aquatic Chronic 3, Harmful to aquatic life with long lasting effects.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2 Label elements



Xi

Symbols:

Xi Irritant

R Phrases:

R43 May cause sensitization by skin contact.
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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S Phrases:

S24 Avoid contact with skin.

S37 Wear suitable gloves.

S60 This material and its container must be disposed of as hazardous waste.

Contents:

3,6,9,12-tetra-azatetradecamethylenediamine; pentactylenehexamine

Symbols:



Warning

Hazard Statements:

H317 May cause an allergic skin reaction.

H412 Harmful to aquatic life with long lasting effects.

Precautionary Statements:

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P272 Contaminated work clothing should not be allowed out of the workplace.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P321 Specific treatment (see ... On this label).

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P363 Wash contaminated clothing before reuse.

P501 Dispose of contents/container in accordance with applicable regulations.

Special Provisions:

None

2.3 Other hazards

Other Hazards:

No other hazards

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

N.A.

3.2 Mixtures

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

1% - 3% 3,6,9,12-tetra-azatetradecamethylenediamine; pentactylenehexamine

N.67/548/CEE: 612-064-00-2 CAS: 4067-16-7 EC: 223-775-9

Xi,C,N; R34-43-50/53



3.2/1B Skin Corr. 1B H314



3.4.2/1 Skin Sens. 1 H317



4.1/A1 Aquatic Acute 1 H400

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 4.1/C1 Aquatic Chronic 1 H410

4. FIRST AID MEASURES

4.1 Description of first aid measures

In case of skin contact:

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.

Wash thoroughly the body (shower or bath).

Remove contaminated clothing immediately and dispose off safely.

In case of eyes contact:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

In case of Ingestion:

Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

4.2 Most important symptoms and effects, both acute and delayed

None

4.3 Indication of any immediate medical attention and special treatment needed

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:

None

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media:

Water.

Carbon dioxide (CO₂).

Extinguishing media which must not be used for safety reasons:

None in particular.

5.2 Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

5.3 Advice for fire-fighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

Remove persons to safety.

See protective measures under point 7 and 8.

6.2 Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand

6.3 Methods and material for containment and cleaning up

Wash with plenty of water.

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6.4 Reference to other sections
See also section 8 and 13

7. HANDLING AND STORAGE

- 7.1 Precautions for safe handling:
Avoid contact with skin and eyes, inhalation of vapours and mists.
Don't use empty container before they have been cleaned.
Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.
Contaminated clothing should be changed before entering eating areas.
Do not eat or drink while working.
See also section 8 for recommended protective equipment.
- 7.2 Conditions for safe storage, including any incompatibilities
Keep away from food, drink and feed.
Incompatible materials:
None in particular.
Instructions as regards storage premises:
Adequately ventilated premises.
- 7.3 Specific end use(s)
None in particular

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Control parameters
3,6,9,12-tetra-azatetradecamethylenediamine; pentacthylenehexamine - Index: 612-064-00-2,
CAS: 4067-16-7, EC No: 223-775-9
TLV TWA - TLV STEL- VLE 8h- VLE short: None.
- 8.2 Exposure controls
Eye protection:
Not needed for normal use. Anyway, operate according good working practices.
- Protection for skin:
Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.
- Protection for hands:
Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.
- Respiratory protection:
Not needed for normal use.
- Thermal Hazards:
None
- Environmental exposure controls:
None

9. PHYSICAL AND CHEMICAL PROPERTIES

- 9.1 Information on basic physical and chemical properties
- | | |
|---|--------------------------|
| Appearance and colour: | Clear light amber liquid |
| Odour: | pungent |
| Odour threshold: | N.A. |
| pH: | non applicable |
| Melting point / freezing point: | N.A. |
| Initial boiling point and boiling range: | N.A. |
| Solid/gas flammability: | N.A. |
| Upper/lower flammability or explosive limits: | N.A. |
| Vapour density: | N.A. |
| Flash point: | > 400 °C |

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Evaporation rate:	N.A.
Vapour pressure:	N.A.
Relative density:	1.09 g/cm ³
Solubility in water:	partially soluble
Lipid solubility:	alcohols, glycol ethers, aromatic hydrocarbons
Partition coefficient (n-octanol/water):	N.A.
Auto-ignition temperature:	N.A.
Decomposition temperature:	N.A.
Viscosity:	N.A.
Explosive properties:	N.A.
Oxidizing properties:	N.A.
9.2 Other information	
Miscibility:	N.A.
Fat Solubility:	N.A.
Conductivity:	N.A.
Substance Groups relevant properties	N.A.

10. STABILITY AND REACTIVITY

10.1 Reactivity

Stable under normal conditions

10.2 Chemical stability

Stable under normal conditions

10.3 Possibility of hazardous reactions

It may generate flammable gases on contact with elementary metals (alkalis and alkaline earth) 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 powerful oxidising agents.

10.4 Conditions to avoid:

Stable under normal conditions.

10.5 Incompatible materials:

None in particular.

10.6 Hazardous decomposition products:

None.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

There is no toxicological data available on the mixture. Consider the individual concentration of each component to assess toxicological effects resulting from exposure to the mixture.

Toxicological information on main components of the mixture:

ADDCURE 9360

May cause sensitization by skin contact

Eye contact: Irritation of eye contact

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Adopt good working practices, so that the product is not released into the environment. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

12.2 Persistence and degradability

None

12.3 Bioaccumulative potential

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- N.A.
- 12.4 Mobility in soil
N.A.
- 12.5 Results of PBT and vPvB assessment
List of substances dangerous for the environment and corresponding classification:
1% - 3% 3,6,9,12-tetra-azatetradecamethylenediamine; pentachthylenhexamine
N.67/548/CEE: 612-064-00-2 CAS: 4067-16-7 EC: 223-775-9
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- 12.6 Other adverse effects
None

13. DISPOSAL CONSIDERATIONS

- 13.1 Waste treatment methods
Recover if possible. In so doing, comply with the local and national regulations currently in force.

14. TRANSPORT INFORMATION

- 14.1 UN number:
Not classified not restricted for transport
- 14.2 UN proper shipping name:
N.A.
- 14.3 Transport hazard class(es):
N.A.
- 14.4 Packing Group:
N.A.
- 14.5 Environmental hazards
- 14.6 Special Precautions for User
N.A.
- 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Environmental Pollutant:
No

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
Dir. 67/548/EEC (Classification, packaging and labelling of dangerous substances). Dir. 99/45/EEC (Classification, packaging and labelling of dangerous preparations). Dir. 98/24/EC (Risks related to chemical agents at work). Dir. 2000/39/EC (Occupational exposure limit values); Dir. 2006/8/CE. Regulation (CE) n. 1907/2006 (REACH), Regulation (CE) n. 1272/2008 (CLP), Regulation (CE) n. 790/2009 (1° ATP CLP), Regulation (EU) n. 453/2010 (Annex I).

Where applicable, refer to the following regulatory provisions :

Directive 82/501/EEC ('Activities linked to risks of serious accidents') and subsequent amendments.
Regulation (EC) nr 648/2004 (detergents).

- 15.2 Chemical Safety Assessment
No

16. OTHER INFORMATION

Text of phrases referred to under heading 3:
R34 Causes burns.
R43 May cause sensitization by skin contact.

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R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

This safety data sheet has been completely updated in compliance to Regulation 453/2010/EU.

This document was prepared by a competent person who has received appropriate training.

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

CCNL - Appendix 1

Insert further consulted bibliography

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.

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

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

CLP: Classification, Labeling, Packaging.

DNEL: Derived No Effect Level.

EINECS: European Inventory of Existing Commercial Chemical Substances.

GefStoffVO: Ordinance on Hazardous Substances, Germany.

GHS: Globally Harmonized System of Classification and Labeling of Chemicals.

IATA: International Air Transport Association.

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

ICAO: International Civil Aviation Organization.

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

IMDG: International Maritime Code for Dangerous Goods.

INCI: International Nomenclature of Cosmetic Ingredients.

KSt: Explosion coefficient.

LC50: Lethal concentration, for 50 percent of test population.

LD50: Lethal dose, for 50 percent of test population.

PNEC: Predicted No Effect Concentration.

RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.

STEL: Short Term Exposure limit.

STOT: Specific Target Organ Toxicity.

TLV: Threshold Limiting Value.

TWATLV: Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).

WGK: German Water Hazard Class.