

Safety Data Sheet

ADDcure® 9960



Xn



Safety Data Sheet dated 27/11/2013, version 1

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

1.1. Product identifier

Identification of the substance

Trade name: **ADDcure® 9960**

Trade code: PF00026

CAS number: 90-72-2

EC number: 202-013-9

The transition time according to REACH Regulation, Article 23 is still not expired.

The substance must not be registered according to REACH, Annex IV and V.

Index 67/548/EEC: 603-069-00-0

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended use:

SU10 Formulation [mixing] of preparations and / or re-packaging (excluding alloys)

SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites

Uses advised against:

All uses not listed among the uses recommended

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

SECTION 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:

Xn Harmful


Xi Irritant

R Phrases:


R22 Harmful if swallowed.

R36/38 Irritating to eyes and skin.

EC regulation criteria 1272/2008 (CLP):

 Warning, Acute Tox. 4, Harmful if swallowed.

 Warning, Eye Irrit. 2, Causes serious eye irritation.

 Warning, Skin Irrit. 2, Causes skin irritation.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Symbols:

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Warning

Hazard statements:

H302 Harmful if swallowed.

H319 Causes serious eye irritation.

H315 Causes skin irritation.

Precautionary statements:

P264 Wash ... Thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

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

P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

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

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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

P330 Rinse mouth.

P332+P313 If skin irritation occurs: Get medical advice/attention.

P337+P313 If eye irritation persists: Get medical advice/attention.

P362 Take off contaminated clothing and wash before reuse.

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

Special Provisions:

None

Special provisions according to Annex XVII of REACH and subsequent amendments:

None

2.3. Other hazards

vPvB Substances: None - PBT Substances: None

Other Hazards:

No other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances

Identification of the substance

Chemical characterization: **ADDcure® 9960**

Trade code: PF00026

Product type and use: 94

CAS number: 90-72-2

EC number: 202-013-9

90% - 100% 2,4,6-tris(dimethylaminomethyl)phenol

Index number: 603-069-00-0, CAS: 90-72-2, EC: 202-013-9

Xn,Xi; R22-36/38



3.1/4/Oral Acute Tox. 4 H302



3.3/2 Eye Irrit. 2 H319



3.2/2 Skin Irrit. 2 H315

3.2. Mixtures

N.A.

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SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

Remove contaminated clothing immediately and dispose off safely.

After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

Protect uninjured eye.

In case of Ingestion:

Give nothing to eat or drink.

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

SECTION 5: Firefighting 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 firefighters

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.

SECTION 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.

6.4. Reference to other sections

See also section 8 and 13

SECTION 7: Handling and storage

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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

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No occupational exposure limit available

DNEL Exposure Limit Values

N.A.

PNEC Exposure Limit Values

N.A.

8.2. Exposure controls

Eye protection:

Basket eye glasses.

Protection for skin:

Chemical protection clothing.

Protection for hands:

NBR (nitrile rubber).

Respiratory protection:

Mask with filter "A" , brown colour

Thermal Hazards:

None

Environmental exposure controls:

None

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|---|---------------------------|
| Appearance and colour: | yellowish liquid |
| Odour: | ammonia |
| Odour threshold: | N.A. |
| pH: | 11 (10% solution aqueous) |
| Melting point / freezing point: | N.A. |
| Initial boiling point and boiling range: | 100 °C |
| Solid/gas flammability: | N.A. |
| Upper/lower flammability or explosive limits: | N.A. |
| Vapour density: | < 0.01 hPa at 21 °C |
| Flash point: | 140 °C |
| Evaporation rate: | N.A. |
| Vapour pressure: | < 0.01 mmHg at 21 °C |
| Relative density: | 0.98 @25 °C |

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|--|------------------------------|
| Solubility in water: | 80% w/w at 25 °C |
| Solubility in oil: | 95% w/w at 25 °C (n-Octanol) |
| 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. |

SECTION 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, halogenated organic substances, organic peroxides and hydroperoxides, 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.

SECTION 11: Toxicological information

- 11.1. Information on toxicological effects
 - Toxicological information of the substance:

ADDcure[®] 9960 - CAS: 90-72-2

- a) acute toxicity:
 - Test: LD50 - Route: Oral - Species: Rat = 1200 mg/kg
 - Test: LD50 - Route: Skin - Species: Rabbit = 1280 mg/kg
 - Test: LC50 - Route: Inhalation - Species: Rat > 0.5 mg/l - Duration: 1h
- b) skin corrosion/irritation:
 - Test: Skin Irritant Positive
- c) serious eye damage/irritation:
 - Test: Eye Irritant Positive

If not differently specified, the information required in Regulation 453/2010/EC listed below must be considered as N.A.:

- a) acute toxicity;
- b) skin corrosion/irritation;
- c) serious eye damage/irritation;
- d) respiratory or skin sensitisation;
- e) germ cell mutagenicity;
- f) carcinogenicity;
- g) reproductive toxicity;
- h) STOT-single exposure;

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- i) STOT-repeated exposure;
- j) aspiration hazard.

SECTION 12: Ecological information

- 12.1. Toxicity
Adopt good working practices, so that the product is not released into the environment.
ADDcure[®] 9960
- CAS: 90-72-2
 - a) Aquatic acute toxicity:
= - Notes:: WGK: 2
- 12.2. Persistence and degradability
None
N.A.
- 12.3. Bioaccumulative potential
N.A.
- 12.4. Mobility in soil
N.A.
- 12.5. Results of PBT and vPvB assessment
vPvB Substances: None - PBT Substances: None
- 12.6. Other adverse effects
None

SECTION 13: Disposal considerations

- 13.1. Waste treatment methods
Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

SECTION 14: Transport information



- 14.1. UN number
 - ADR-UN Number: 2735
 - IATA-UN Number: 2735
 - IMDG-UN Number: 2735
- 14.2. UN proper shipping name
 - ADR-Shipping Name: AMINES, LIQUID, CORROSIVE, N.O.S. or POLYAMINES, LIQUID, CORROSIVE, N.O.S..
 - IATA-Shipping Name: AMINES, LIQUID, CORROSIVE, N.O.S. or POLYAMINES, LIQUID, CORROSIVE, N.O.S..
 - IMDG-Shipping Name: AMINES, LIQUID, CORROSIVE, N.O.S. or POLYAMINES, LIQUID, CORROSIVE, N.O.S..
- 14.3. Transport hazard class(es)
 - ADR-Class: 8
 - ADR - Hazard identification number: 80
 - IATA-Class: 8
 - IATA-Label: Corrosive
 - IMDG-Class: 8
 - IMDG-Class: 8
- 14.4. Packing group
 - ADR-Packing Group: III

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|---|------------------|
| IATA-Packing group: | III |
| IMDG-Packing group: | III |
| 14.5. Environmental hazards | |
| IMDG-Marine pollutant: | No |
| 14.6. Special precautions for user | |
| IATA-Passenger Aircraft: | 818 |
| IATA-Cargo Aircraft: | 820 |
| IATA-ERG: | 8L |
| IMDG-EmS: | F-A , S-B |
| IMDG-Storage category: | A |
| IMDG-Storage notes: | Away from acids. |
| 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | |
| No | |

SECTION 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/EC (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/EC
Regulation (EC) n. 1907/2006 (REACH)
Regulation (EC) n. 1272/2008 (CLP)
Regulation (EC) n. 790/2009 (ATP 1 CLP)
Regulation (EU) n. 453/2010 (Annex I)
Regulation (EU) n. 286/2011 (ATP 2 CLP)
- Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:
Restriction 3
- 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).
1999/13/EC (VOC directive)
- 15.2. Chemical safety assessment
No

SECTION 16: Other information

Text of phrases referred to under heading 3:

R22 Harmful if swallowed.
R36/38 Irritating to eyes and skin.

H302 Harmful if swallowed.
H319 Causes serious eye irritation.
H315 Causes skin irritation.

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

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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.

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|-------------|--|
| 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. |
| LTE: | Long-term exposure. |
| PNEC: | Predicted No Effect Concentration. |
| RID: | Regulation Concerning the International Transport of Dangerous Goods by Rail. |
| STE: | Short-term exposure. |
| 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. |
| N.A.: | N.A. |
| N.D.: | N.A. |