

# SAFETY DATA SHEET

## COLTACK EVOLUTION CA

Version: 129a



Review date: 21/04/2015

RE EC/453/2010 - ISO 11014-1

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

1. 1. Product identifier: COLTACK EVOLUTION CA
1. 1. 1. Contains: • 4,4'-methylenediphenyl diisocyanate; diphenylmethane-4,4'-diisocyanate; [1] 2,2'-methylenediphenyl diisocyanate; diphenylmethane-2,2'-diisocyanate; [2] o-(p-isocyanatobenzyl)phenyl isocyanate; diphenylmethane-2,4'-diisocyanate; [3] methylenediphenyl diiso
1. 1. 2. EC number: Not applicable.
1. 2. Relevant identified uses of the substance or mixture and uses advised against: Waterproofing
1. 3. Details of the supplier of the safety data sheet: SOPREMA S.A.S.  
14 Rue de Saint Nazaire - CS 60121  
F-67025 STRASBOURG CEDEX  
France  
Phone: +33 (0)3 88 79 84 00  
Fax: +33 (0)3 88 79 84 01  
E-mail: mkulinicz@soprema.fr
1. 4. Emergency telephone number: INTERNATIONAL EMERGENCY NUMBER : + 44 (0)1 235 239 670  
B - Centre Antipoisons Tél: 070 / 245.245  
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### 2. HAZARDS IDENTIFICATION

2. 1. Classification of the substance or mixture:
- \* Skin Irrit. 2 / SGH07 - H315 \*
  - \* STOT SE 3 / SGH07 - H335 \*
  - \* Acute Tox. 4 / SGH07 - H332 \*
  - \* Carc. 2 / SGH08 - H351 \*
  - \* Skin Sens. 1 / SGH07 - H317 \*
  - \* Irr. oc. 2A / SGH07 - H319 \*
  - \* Resp. Sens. 1 / SGH08 - H334 \*
  - \* STOT RE 2 / SGH08 - H373 \*
2. 2. Label elements (CLP - SGH):
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Danger
2. 2. 1. Symbol(s) and signal word: .
2. 2. 2. Hazard statement:
- H315 Causes skin irritation.
  - H319 Causes serious eye irritation.
  - H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
  - H317 May cause an allergic skin reaction.
  - H351 Suspected of causing cancer.
  - H373 May cause damage to organs through prolonged or repeated exposure.
  - H332 Harmful if inhaled.
  - H335 May cause respiratory irritation.
2. 2. 3. Prevention:
- P264 Wash hands thoroughly after handling.
  - P280 Wear protective gloves / protective clothing / eye protection / face protection.
  - P261 Avoid breathing dust / fume / gas / mist / vapours / spray.
  - P284 In case of inadequate ventilation wear respiratory protection.
  - P272 Contaminated work clothing should not be allowed out of the workplace.
  - P201 Obtain special instructions before use.
  - P202 Do not handle until all safety precautions have been read and understood.
  - P260 Do not breathe dust / fume / gas / mist / vapours / spray.
  - P271 Use only outdoors or in a well-ventilated area.
2. 2. 4. Response:
- P302+P352 IF ON SKIN: Wash with plenty of soap and water.
  - P321a Specific treatment (see item nr 4.3.).
  - P332+P313 If skin irritation occurs: Get medical advice / attention.
  - P362 Take off contaminated clothing.
  - P364 And wash it before reuse.
  - P305 IF IN EYES:
  - P351 Rinse cautiously with water for several minutes.
  - P338 Remove contact lenses, if present and easy to do. Continue rinsing.
  - P337+P313 If eye irritation persists: Get medical advice / attention.
  - P304 IF INHALED:
  - P340 Remove person to fresh air and keep comfortable for breathing.
  - P342 If experiencing respiratory symptoms:

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	P311a Call a POISON CENTER / doctor. P333+P313 If skin irritation or rash occurs: Get medical advice / attention. P308+P313 IF exposed or concerned: Get medical advice / attention. P314 Get medical advice / attention if you feel unwell. P312a Call a POISON CENTER / doctor if you feel unwell.
2. 2. 5. Storage:	P405 Store locked up. P403 Store in a well-ventilated place. P233 Keep container tightly closed.
2. 2. 6. Disposal:	P501a Dispose of contents / container in accordance with local / regional / national / international regulation
2. 3. Further information(s):	EUH 204 - Contains isocyanates. May produce an allergic reaction. EUH208 Contains isocyanates. May produce an allergic reaction. EUH208 Contains 4,4'-methylenediphenyl diisocyanate; diphenylmethane-4,4'-diisocyanate; [1] 2,2'-methylenediphenyl diisocyanate; diphenylmethane-2,2'-diisocyanate; [2] o-(p-isocyanatobenzyl)phenyl isocyanate; diphenylmethane-2,4'-diisocyanate; [3] methylenediphenyl diiso. May produce an allergic reaction.
2. 4. Other hazards:	None.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

3. 1. Component(s) contributing to the hazard:

• 4,4'-methylenediphenyl diisocyanate; diphenylmethane-4,4'-diisocyanate; [1] 2,2'-methylenediphenyl diisocyanate; diphenylmethane-2,2'-diisocyanate; [2] o-(p-isocyanatobenzyl)phenyl isocyanate; diphenylmethane-2,4'-diisocyanate; [3] methylenediphenyl diiso  
- Id nr: 615-005-00-9 - CE nr: 247-714-0 - CAS nr: 26447-40-5  
- Conc. (weight %) : 30 < C ≤ 50  
- R-S :  
Classification: • Carc. Cat. 3; R40 • Xn; R20-48/20 • Xi; R36/37/38 • R42/43 •  
- SGH :  
\* SGH07 - Exclamation mark - Warning - Acute Tox. 4 - H332 \* SGH08 - Health hazard - Danger - Resp. Sens. 1 - H334 - Skin Sens. 1 - H317 - STOT SE 3 - H335 - Skin Irrit. 2 - H315 - Irr. oc. 2 - H319 - Carc. 2 - H351  
- VME ppm = 0,005 - VME mg/m³ = 0,051

The wording of the sentences are mentioned at heading 16.

### 4. FIRST AID MEASURES

4. 1. Description of first aid measures:

4. 1. 1. General advice:	In case of doubt or persistent symptoms, consult always a physician.
4. 1. 2. Inhalation:	Remove from exposure, if possible in fresh air and lie down the victim.
4. 1. 3. Skin contact:	Take off contaminated clothes, wash skin with plenty of water or have a shower (during minimum 15 minutes) and if necessary take medical advice.
4. 1. 4. Eye contact:	Rinse immediately with plenty of water (during 30 minutes), also under eyelids, taking contact lenses off.
4. 1. 5. Ingestion:	Rinse mouth, do not drink anything, keep quiet, and go immediately to hospital or to a doctor.
4. 2. Most important symptoms and effects, both acute and delayed:	
4. 2. 1. Inhalation:	May cause shortness of breath, tightness of the chest, a sore throat and cough.
4. 2. 2. Skin contact:	Prolonged or repeated contact with the skin or mucous membrane may result in irritant symptoms such as redness, blistering or dermatitis. Onset of symptoms may be delayed.
4. 2. 3. Eyes contact:	Splashes in the eyes may cause irritation and reversible local damage.
4. 2. 4. Ingestion:	May cause gastrointestinal irritation, nausea, vomiting and diarrhoea.
4. 3. Indication of any immediate medical attention and special treatment needed :	In all cases of doubt, or when symptoms persist, seek medical attention.

### 5. FIREFIGHTING MEASURES

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| 5. 1. Extinguishing media:   | powder, alcohol-resistant foam, water spray, carbon dioxide          |
| 5. 2. Special hazards arising from the substance or mixture:         | Upon heating, toxic fumes are formed.                                |
| 5. 3. Advice for firefighters:                                       | Use a self-contained breathing apparatus and also a protective suit. |
| 5. 4. Specific method(s):  | Cool containers / tanks with spray water if possible.                |
| 5. 5. Extinguishing media which must NOT be used for safety reasons: | Do not use a solid water stream as it may scatter and spread fire.   |

### 6. ACCIDENTAL RELEASE MEASURES

- |  |  |
|--|--|
| 6. 1. Personal precautions, protective equipment and emergency procedures: | Concerning personal protective equipment to use, see item 8.<br>Evacuate danger area.  |
| 6. 2. Environmental precautions:   | Prevent liquid from entering sewers, watercourses, underground or low areas.<br>If the product enters drains or sewers the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the National Rivers Authority. |
| 6. 3. Methods and material for containment and cleaning up:                | Contain and collect spillages with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth<br>Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal.   |
| 6. 4. Reference to other sections:   | Concerning personal protective equipment to use, see item 8.<br>Concerning product toxicity, see item 11 and about product stability and reactivity see item 10.<br>Concerning disposal elimination after cleaning, see item 13.   |

### 7. HANDLING AND STORAGE

- |  |  |
|--|--|
| 7. 1. Handling:  |  |
| 7. 1. 1. Precautions for safe handling:                                | Avoid all eyes and skin contact and do not breathe vapour and mist.<br>Provide sufficient air exchange and/or exhaust. |
| 7. 1. 2. Technical condition(s):                                       | Provide for appropriate exhaust ventilation at places of vapours accumulation.   |
| 7. 2. Storage:   |  |
| 7. 2. 1. Conditions for safe storage, including any incompatibilities: | Keep container tightly closed in a cool place.   |
| 7. 2. 2. Storage condition(s):   | Store in a dry, cool and well-ventilated place.  |
| 7. 2. 3. Packaging / tank material:                                    | made of the same material as the supply container.   |
| 7. 3. Specific end use(s):   | Waterproofing  |

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- |                                    |   |
|------------------------------------|---|
| 8. 1. Control parameters:          |   |
| 8. 1. 1. Exposure limit(s):        | • 4,4'-methylenediphenyl diisocyanate; diphenylmethane-4,4'-diisocyanate; [1] 2,2'-methylenediphenyl diisocyanate; diphenylmethane-2,2'-diisocyanate; [2] o-(p-isocyanatobenzyl)phenyl isocyanate; diphenylmethane-2,4'-diisocyanate; [3] methylenediphenyl diiso : VME ppm = 0,005 - VME mg/m <sup>3</sup> = 0,051 |
| 8. 2. Exposure controls:           |   |
| 8. 2. 1. Respiratory protection:   | Air-fed respiratory protective equipment should be worn when this product is sprayed if the exposure of the sprayer or other people nearby cannot be controlled to below the occupational exposure limit<br>Extra personal protection: A/P2 filter respirator for organic vapour and harmful dust.                  |
| 8. 2. 2. Hand protection:          | nitrile rubber gloves   |
| 8. 2. 3. Skin and body protection: | long sleeved protective clothing  |
| 8. 2. 4. Eye protection:           | safety glasses with side-shields  |

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8. 3. Hygiene measure(s): Keep away from food, drink and animal feed.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

9. 1. Information on basic physical and chemical properties:

9. 1. 1. Appearance: liquid  
9. 1. 2. Colour: green  
9. 1. 3. Odour: very slight  
9. 1. 4. PH: Not applicable.  
9. 1. 5. Boiling point/range: Not determined.  
9. 1. 6. Flash point: Not applicable.  
9. 1. 7. Explosion limits: Not applicable.  
9. 1. 8. Relative density (water = 1): Not determined.  
9. 1. 9. Viscosity: free flowing

9. 2. Other information:

9. 2. 1. Water solubility: completely soluble  
9. 2. 2. Fat solubility: Not determined.  
9. 2. 3. Solvent solubility: Not determined.

### 10. STABILITY AND REACTIVITY

10. 1. Reactivity: Stable in use and storage conditions as recommended in item 7.  
10. 2. Chemical stability: Stable in use and storage conditions as recommended in item 7.  
10. 3. Possibility of hazardous reactions: None reasonably foreseeable.  
10. 4. Conditions to avoid: Store away from heat.  
10. 5. Incompatible materials: Keep away from oxidising agents and strongly alkaline and strongly acidic materials.  
10. 6. Hazardous decomposition products: Burning produces stinking and toxic fumes.

### 11. TOXICOLOGICAL INFORMATION

11. 1. Information on toxicological effects: Description of possible hazardous effects of mixture on health is based on toxicological characteristics of different components.  
11. 2. Acute toxicity:  
11. 2. 1. Inhalation: CAS 26447-40-5 : LC50/inhalation/4h/rat = 0.49 mgL  
11. 2. 2. Skin contact: CAS 26447-40-5 : LD50/dermal/rat = > 5 000 mg/kg  
11. 2. 3. Eyes contact: Not determined.  
11. 2. 4. Ingestion: CAS 26447-40-5 : LD50/oral/rat = > 5 000 mg/kg

### 12. ECOLOGICAL INFORMATION

12. 1. Toxicity: No ecotoxicological data about this product are known.  
12. 2. Persistence and degradability: Not readily biodegradable.  
12. 3. Bioaccumulative potential: None bioaccumulation.  
12. 4. Mobility in soil: Not determined.  
12. 5. Results of PBT and vPvB assessment: not  
12. 6. Other adverse effects: None.

### 13. DISPOSAL CONSIDERATIONS

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13. 1. Waste treatment methods: Dispose of this material and its container at hazardous or special waste collection point.
13. 2. Contaminated packaging: Container remains hazardous when empty. Continue to observe all precautions.

### 14. TRANSPORT INFORMATION

14. 1. General information(s): Not classified as dangerous in the meaning of transport regulations.
14. 2. UN number: Not applicable.
14. 6. Environmental hazards: Not applicable.
14. 7. Special precautions for user: Not applicable.
14. 8. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable.

### 15. REGULATORY INFORMATION

15. 1. Safety, health and environmental regulations/legislation specific for the substance or mixture: EC 1907-2006 regulation  
EC 1272-2008 regulation  
EC 790-2009 regulation  
EC 453-2010 regulation
15. 2. Chemical safety assessment: Not applicable.

### 16. OTHER INFORMATION

16. 1. Text of the phrases listed in section 3: H332 Harmful if inhaled.  
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
H317 May cause an allergic skin reaction.  
H335 May cause respiratory irritation.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H351 Suspected of causing cancer <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.
16. 2. 1. First edition date: 21/04/2015
16. 2. 2. Version: 129a
16. 3. Written by: SOPREMA - mkulinicz@soprema.fr