

SAFETY DATA SHEET

PIBIAL

Version: 1300b

Review date: 26/08/2014

RE EC/453/2010 - ISO 11014-1

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

1. 1. Product identifier: PIBIAL
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
UK - National Poisons Information Service Phone: 44 / 191 22 5131

2. HAZARDS IDENTIFICATION

2. 1. Classification of the substance or mixture: * Flam. Liq. 3 / SGH02 - H226 *
* Skin Irrit. 2 / SGH07 - H315 *
* Irr. oc. 2A / SGH07 - H319 *
* STOT SE 3 / SGH07 - H335 and H336 *
* STOT RE 2 / SGH08 - H373 *
2. 2. EC number: Not applicable.
2. 3. Contains: • toluene
• ethylbenzene
• xylene (isomer mixture o, m, p)
2. 4. Label elements (R - S):



2. 4. 1. Symbol(s): Xn - Harmful
2. 4. 2. R-phrase(s): 10 Flammable.
20/21 Harmful by inhalation and in contact with skin.
36/37/38 Irritating to eyes, respiratory system and skin.
2. 4. 3. S-phrase(s): 36/37 Wear suitable protective clothing and gloves.
2. 5. Label elements (CPL - SGH):



Warning Warning Warning

2. 5. 1. Symbol(s): .
2. 5. 2. Hazard statement: H226 Flammable liquid and vapour.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H373 May cause damage to organs through prolonged or repeated exposure.
H335-336 May cause respiratory irritation. May cause drowsiness or dizziness.
2. 5. 3. Prevention: P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 Keep container tightly closed.
P240 Ground / bond container and receiving equipment.
P241 Use explosion-proof electrical / ventilating / lighting / ... / equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P273 Avoid release to the environment.
P264 Wash hands thoroughly after handling.
P280 Wear protective gloves / protective clothing / eye protection / face protection.
P260 Do not breathe dust / fume / gas / mist / vapours / spray.
P261 Avoid breathing dust / fume / gas / mist / vapours / spray.
P271 Use only outdoors or in a well-ventilated area.

SAFETY DATA SHEET

PIBIAL

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Review date: 26/08/2014

RE EC/453/2010 - ISO 11014-1

2. 5. 4. Response:
- P303 IF ON SKIN (or hair):
 - P361 Take off immediately all contaminated clothing.
 - P353 Rinse skin with water / shower.
 - P370 In case of fire:
 - P378 Use powder, alcohol-resistant foam, water spray, carbon dioxide to extinguish.
 - P302 IF ON SKIN:
 - P352 Wash with plenty of water / soap .
 - P321 Specific treatment
 - P332 If skin irritation occurs:
 - P313 Get medical advice / attention.
 - P362 Take off contaminated clothing.
 - P364 And wash it before reuse.
 - P305 IF IN EYES:
 - Rinse cautiously with water for several minutes.
 - P338 Remove contact lenses, if present and easy to do. Continue rinsing.
 - P337 If eye irritation persists:
 - P314 Get medical advice / attention if you feel unwell.
 - P304 IF INHALED:
 - P340 Remove person to fresh air and keep comfortable for breathing.
 - P312 Call a POISON CENTER / doctor / . if you feel unwell.
2. 5. 5. Storage:
- P403 Store in a well-ventilated place.
 - P235 Keep cool.
 - P233 Keep container tightly closed.
 - P405 Store locked up.
2. 5. 6. Disposal:
- P501a Dispose of contents / container in accordance with local / regional / national / international regulation
2. 6. Other hazards:
- None.

3. COMPOSITION / INFORMATION ON INGREDIENTS

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

- toluene
 - Id nr: 601-021-00-3 - CE nr: 203-625-9 - CAS nr: 108-88-3
 - Conc. (weight %) : 0 < C <= 1
 - R-S : Classification: • F; R 11 • Repr.Cat.3; R 63 • Xn; R 48/20-65 • Xi; R 38 • R 67 •
 - SGH : SGH02 - Flam. Liq. 2 - Flame - Danger - H225 SGH07 - STOT SE 3 - Exclamation mark - Warning - H336 - SGH08 - STOT RE 2 - Health hazard - H373 - Asp. Tox. 1 - Danger - H304 - Skin Irrit. 2 - H315 - Repr. 2 - H361
- ethylbenzene
 - CAS nr: .100-41-4
 - Conc. (weight %) : 1 < C <= 25
 - R-S : Symbol(s): F Xn - R-phrase(s): 11-20-65-48/20-36/37/38
 - SGH : SGH02 - Flam. Liq. 2 - Flame - Danger - H225 SGH07 - Acute Tox. 4 - Exclamation mark - Warning - H332 - STOT SE 3 - H335 - SGH08 - STOT RE 2 - Health hazard - H373 - Asp. Tox. 1 - Danger - H304 - Skin Irrit. 2 - H315 - Irr. oc. 2A - H319
- xylene (isomer mixture o, m, p)
 - CAS nr: .1330-20-7 - REACH registration number : 01-2119488216-32
 - Conc. (weight %) : 25 < C <= 50
 - R-S : Symbol(s): Xn - R-phrase(s): 10-20/21-36/37/38-65-48/20
 - SGH : SGH02 - Flam. Liq. 3 - Flame - Warning - H226 SGH07 - Acute Tox. 4 - Exclamation mark - Warning - H312 - H332 - STOT SE 3 - H335-H336 - SGH08 - STOT RE 2 - Health hazard - H373 - Asp. Tox. 1 - Danger - H304 - Skin Irrit. 2 - H315 - Irr. oc. 2A - H319

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:
- Never give anything by mouth to an unconscious person.
 - In case of doubt or persistent symptoms, consult always a physician.
4. 1. 2. Inhalation:
- Take victim to fresh air, in a quiet place in an half laying position and urgently take medical advice.
 - Artificial respiration if indicated.
4. 1. 3. Skin contact:
- Take off contaminated clothes, wash skin with plenty of water of have a shower (during minimum 15 minutes) and if necessary take medical advice.
 - Do NOT use solvents or thinners.

SAFETY DATA SHEET

PIBIAL

Version: 1300b

Review date: 26/08/2014

RE EC/453/2010 - ISO 11014-1

4. 1. 4. Eye contact:	Wash with plenty of water (during 20 minutes minimum) with eyes wide open after taking off soft contact lenses and immediately take medical advice.
4. 1. 5. Ingestion:	Do NOT induce vomiting. 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:	Harmful by inhalation. Exposure to organic solvent vapours may result in adverse health effects such as lung irritation Symptoms include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.
4. 2. 2. Skin contact:	Frequent or prolonged contacts may defat and dry the skin, leading to discomfort and dermatitis. resulting in non-allergic contact dermatitis and absorption through the skin.
4. 2. 3. Eyes contact:	Liquid splashes in the eye may cause irritation.
4. 2. 4. Ingestion:	Lungs damages may occur.
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

5. 1. Extinguishing media:	powder, alcohol-resistant foam, water spray, carbon dioxide
5. 2. Special hazards arising from the substance or mixture:	Fire will produce dense black smoke. Decomposition products may be a hazard to health. Appropriate self-contained breathing apparatus may be required.
5. 3. Advice for firefighters:	Use a self-contained breathing apparatus and also a protective suit.
5. 4. Specific method(s):	Cool closed containers exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains or water courses.
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:	Exclude sources of ignition and ventilate the area. Exclude non-essential personnel. Avoid breathing vapours. Refer to protective measures listed in Sections 7 and 8.
6. 2. Environmental precautions:	Stop leak without risks if possible. Dike and contain spill. Concerning disposal elimination after cleaning, see item 13.
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 Place in a suitable container for disposal in accordance with the waste regulations (see Section 13). Clean preferably with a detergent - Avoid the use of solvents.
6. 4. Reference to other sections:	Concerning personal protective equipment to use, see item 8. Concerning product toxicity, see item 11 and about product stability and reactivity see item 10. Concerning disposal elimination after cleaning, see item 13.

7. HANDLING AND STORAGE

7. 1. Handling:	
7. 1. 1. Precautions for safe handling:	Vapours may form explosive mixture with air. Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentrations higher than the occupational exposure limits. Do not eat, drink and do not smoke in areas where product is used. Avoid contact with skin and eyes. Handling this product may result in electrostatic accumulation. Use proper grounding procedures.
7. 1. 2. Technical condition(s):	Do NOT use compressed air for filling, discharging, or handling. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded.
7. 1. 3. Safe handling advice(s):	Keep the container tightly closed. Exclude sources of heat, sparks and open flame. Non-sparking tools should be used.
7. 2. Storage:	
7. 2. 1. Conditions for safe storage, including any incompatibilities:	Store in a place accessible by authorised persons only. Keep out of the reach of children.

SAFETY DATA SHEET

PIBIAL

Version: 1300b

Review date: 26/08/2014

RE EC/453/2010 - ISO 11014-1

7. 2. 2. Technical condition(s): Not flammable and waterproof underground retention basin.
7. 2. 3. Storage condition(s): Store in a dry, well ventilated place away from sources of heat, ignition and direct sunlight.
7. 2. 4. Separation of incompatible product(s): Store separately from oxidising agents and strongly alkaline and strongly acidic materials.
7. 2. 5. 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):
- toluene : VME ppm = 50 - VME mg/m³ = 188
 - xylene : VME ppm = 50 - VME mg/m³ = 250
 - ethylbenzene : VME ppm = 20 - VME mg/m³ = 88,4

8. 2. Exposure controls:

8. 2. 1. Respiratory protection: In case of insufficient ventilation wear suitable respiratory equipment.
Extra personal protection: A/P2 filter respirator for organic vapour and harmful dust.
8. 2. 2. Hand protection: When skin exposure may occur, advice should be sought from glove suppliers on appropriate types. nitrile rubber gloves
Barrier creams may help to protect exposed areas of the skin but are not substitutes for full physical protection. They should not be applied once exposure has occurred.
8. 2. 3. Skin and body protection: long sleeved protective clothing
8. 2. 4. Eye protection: Wear security glasses which protect from splashes.

8. 3. Hygiene measure(s):

When using, do not eat, drink or smoke.
Keep away from food, drink and animal feed.
Wash hands and face before break and at end of works.

9. PHYSICAL AND CHEMICAL PROPERTIES

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

9. 1. 1. Appearance: liquid
9. 1. 2. Colour: black
9. 1. 3. Odour: hydrocarbon-like
9. 1. 4. PH: Not determined.
9. 1. 5. Boiling point/range: Not determined.
9. 1. 6. Flash point: 24°C
9. 1. 7. Explosion limits: Not applicable.
9. 1. 8. Vapour pressure: 2,8kPa (50°C)
9. 1. 9. Relative density (water = 1): 0.95 (+/- 0.5) g/cm³
9. 1. 10. Viscosity: 30
9. 2. Other information:
9. 2. 1. Water solubility: insoluble
9. 2. 2. Fat solubility: Not applicable.
9. 2. 3. Solvent solubility: soluble in most organic solvents
9. 3. Other information: VOC: (cat A/h) : 475 g/L

10. STABILITY AND REACTIVITY

10. 1. Reactivity: Stable at normal conditions.

SAFETY DATA SHEET

PIBIAL

Version: 1300b

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RE EC/453/2010 - ISO 11014-1

10. 2. Chemical stability:	Stable at normal conditions.
10. 3. Possibility of hazardous reactions:	None
10. 4. Conditions to avoid:	NO open flames, NO sparks, and NO smoking.
10. 5. Incompatible materials:	Keep away from oxidising agents and strongly alkaline and strongly acidic materials to prevent the possibility of exothermic reaction.
10. 6. Hazardous decomposition products:	Hazardous decomposition products may be released during prolonged heating like smokes, carbon monoxide and dioxide

11. TOXICOLOGICAL INFORMATION

11. 1. Information on toxicological effects:	There is no data available on the product itself.
11. 2. Acute toxicity:	
11. 2. 1. Inhalation:	Not applicable.
11. 2. 2. Skin contact:	Not applicable.
11. 2. 3. Eyes contact:	Not applicable.
11. 2. 4. Ingestion:	Not applicable.

12. ECOLOGICAL INFORMATION

12. 1. Toxicity:	No ecotoxicological data about this product are known.
12. 2. Persistence and degradability:	Not determined.
12. 3. Bioaccumulative potential:	Not determined.
12. 4. Mobility in soil:	Not determined.
12. 5. Results of PBT and vPvB assessment:	Not determined.
12. 6. Other adverse effects:	Not determined.
12. 7. General information(s):	There is no data available on the product itself. The product should not be allowed to enter drains or water courses or be deposited where it can affect ground or surface waters.

13. DISPOSAL CONSIDERATIONS

13. 1. Waste treatment methods:	Dispose of this material and its container at hazardous or special waste collection point. Do not allow into drains or water courses or dispose of where ground or surface waters may be affected.
13. 2. Contaminated packaging:	Dirty containers cannot be handle as normal waste. Wastes, including emptied containers, are controlled wastes and should be disposed of in accordance with regulations made under the Control of Pollution Act and the Environmental Protection Act. Do not re-use empty containers.

14. TRANSPORT INFORMATION

14. 1. General information(s):	Transport followed ADR, IMDG, IATA
14. 2. UN number:	1263
14. 2. 1. UN proper shipping name:	PAINT
14. 3. Land (Road / Railway: ADR/RID):	
14. 3. 1. Transport hazard class(es):	3
14. 3. 2. Packing group:	III
14. 4. Sea (IMDG):	
14. 4. 1. Class:	3
14. 4. 2. Packaging group:	III
14. 4. 3. Marine pollutant:	No - Non

SAFETY DATA SHEET

PIBIAL

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RE EC/453/2010 - ISO 11014-1

14. 5. Air (ICAO/IATA):

14. 5. 1. ICAO/IATA class: 3

14. 5. 2. Packing group: III

14. 6. Environmental hazards: Not applicable.

14. 7. Special precautions for user: Concerning personal protective equipment to use, see item 8.

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 453-2010 regulation
EC 790-2009 regulation
EC 1272-2008 regulation
EC 1907-2006 regulation

15. 2. Chemical safety assessment: Not determined.

16. OTHER INFORMATION

16. 1. Text of the phrases listed in section 3:
H225 Highly flammable liquid and vapour.
H336 May cause drowsiness or dizziness.
H373 May cause damage to organs <or state all organs affected, if known> through prolonged or repeated exposure <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H361 Suspected of damaging fertility or the unborn child <state specific effect if known> <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H319 Causes serious eye irritation.
H226 Flammable liquid and vapour.
H312 Harmful in contact with skin.
H335-H336 May cause respiratory irritation. May cause drowsiness or dizziness.

16. 2. Important remarks: Information in this safety data sheet is based on actual knowledge in our possession and our experience. It is recommended to pass the information of this safety data sheet, eventually in an appropriated form, to the users. No liability will be accepted (except as otherwise provided by law) arising out of the use of information supplied in this data sheet.

16. 3. Restrictions: This information relates to the specific material designated and may not be valid in combination with other product(s). The product should not be used for purposes other than those shown in Section 16 without first referring to the supplier and obtaining written handling instructions.

16. 4. History:

16. 4. 1. First edition date: 11/10/2013

16. 4. 2. Previous revision date: 26/08/2014

16. 4. 3. Review date: 26/08/2014

16. 4. 4. Version: 1300b

16. 4. 5. Review chapter(s) n°: 1 > 16

16. 5. Written by: SOPREMA - mkulinicz@soprema.fr