

# SAFETY DATA SHEET

**BONDEX**

Date of issue/Date of revision

: 8 August 2019

Version

: 1.05

## Section 1. Identification

BONDEX DECK GUARD

: **Product identifier**

10140DSC44X75

: **Product code**

Liquid.

: **Product type**

### Recommended use of the chemical and restrictions on use

Consumer applications, Professional applications.

: **Product use**

Coating.

: **Use of the substance/  
mixture**

PPG Coatings Danmark A/S

: **Supplier's details**

Gladsaxevej 300

2860 Søborg

Tel: +45 (0)56 64 50 00

Fax: +45 (0)56 64 50 55

Zivey Hakeshet Ltd.

P.O. Box 33905

Haifa 3133801

Tel.: 04-9994040

ps.acemea-north@ppg.com

: **e-mail address of person  
responsible for this SDS**

+45 (0)56 64 50 00

: **Emergency telephone  
number**

## Section 2. Hazard identification

Aquatic Chronic 3, H412

: **Classification of the  
substance or mixture**

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

### GHS label elements

No signal word.

: **Signal word**

Harmful to aquatic life with long lasting effects.

: **Hazard statements**

### Precautionary statements

Avoid release to the environment.

: **Prevention**

Not applicable.

: **Response**

Not applicable.

: **Storage**

Dispose of contents and container in accordance with all local, regional, national and international regulations.

: **Disposal**

Not applicable.

: **Hazardous ingredients**

Contains 3-iodo-2-propynyl butylcarbamate and reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction.

: **Supplemental label  
elements**

Not applicable.

: **Restrictions on the  
manufacture, placing on the  
market and use of certain  
dangerous substances,  
mixtures and articles**

## Section 2. Hazard identification

### Special packaging requirements

Not applicable.

: Containers to be fitted with child-resistant fastenings

Not applicable.

: Tactile warning of danger

### Other hazards

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

: Product meets the criteria for PBT or vPvB

None known.

: Other hazards which do not result in classification

## Section 3. Composition/information on ingredients

Mixture

: 3.2 Substance/mixture

Type	Classification	% by weight	Identifiers	Product/ingredient name
[1]	Acute Tox. 4, H302 Acute Tox. 3, H331 Eye Dam. 1, H318 Skin Sens. 1, H317 STOT RE 1, H372 (larynx) Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=1)  <b>See Section 16 for the full text of the H statements declared above.</b>	≤0.30	55406-53-6	3-Iodo-2-propynyl butylcarbamate

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

### Type

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

[3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII

[4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII

[5] Substance of equivalent concern

[6] Additional disclosure due to company policy

Occupational exposure limits, if available, are listed in Section 8.

**SUB codes represent substances without registered CAS Numbers.**

## Section 4. First aid measures

### Description of necessary first aid measures

Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.

: Eye contact

Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.

: Inhalation

Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.

: Skin contact

## Section 4. First aid measures

If swallowed, seek medical advice immediately and show the container or label.  
Keep person warm and at rest. Do NOT induce vomiting.

: **Ingestion**

### Most important symptoms/effects, acute and delayed

#### Potential acute health effects

No known significant effects or critical hazards.

: **Eye contact**

No known significant effects or critical hazards.

: **Inhalation**

No known significant effects or critical hazards.

: **Skin contact**

No known significant effects or critical hazards.

: **Ingestion**

#### Over-exposure signs/symptoms

No specific data.

: **Eye contact**

No specific data.

: **Inhalation**

No specific data.

: **Skin contact**

No specific data.

: **Ingestion**

### Indication of immediate medical attention and special treatment needed, if necessary

In case of inhalation of decomposition products in a fire, symptoms may be delayed.  
The exposed person may need to be kept under medical surveillance for 48 hours.

: **Notes to physician**

No specific treatment.

: **Specific treatments**

No action shall be taken involving any personal risk or without suitable training. It  
may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

: **Protection of first-aiders**

## Section 5. Firefighting measures

### Extinguishing media

Use an extinguishing agent suitable for the surrounding fire.

: **Suitable extinguishing media**

None known.

: **Unsuitable extinguishing media**

### Special hazards arising from the substance or mixture

In a fire or if heated, a pressure increase will occur and the container may burst.  
This material is harmful to aquatic life with long lasting effects. Fire water  
contaminated with this material must be contained and prevented from being  
discharged to any waterway, sewer or drain.

: **Hazards from the substance or mixture**

Decomposition products may include the following materials:

carbon oxides

nitrogen oxides

: **Hazardous combustion products**

### Advice for firefighters

Promptly isolate the scene by removing all persons from the vicinity of the incident if  
there is a fire. No action shall be taken involving any personal risk or without  
suitable training.

: **Special protective actions for fire-fighters**

Fire-fighters should wear appropriate protective equipment and self-contained  
breathing apparatus (SCBA) with a full face-piece operated in positive pressure  
mode. Clothing for fire-fighters (including helmets, protective boots and gloves)  
conforming to European standard EN 469 will provide a basic level of protection for  
chemical incidents.

: **Special protective equipment for fire-fighters**

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

: **For non-emergency personnel**

If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

: **For emergency responders**

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities.

: **Environmental precautions**

### Methods and material for containment and cleaning up

Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

: **Small spill**

Stop leak if without risk. Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product.

: **Large spill**

See Section 1 for emergency contact information.

: **Reference to other sections**

See Section 8 for information on appropriate personal protective equipment.

See Section 13 for additional waste treatment information.

## Section 7. Handling and storage

### Precautions for safe handling

Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas.

: **Protective measures**

Materials such as cleaning rags, paper wipes and protective clothing, which are contaminated with the product may spontaneously self-ignite some hours later. To avoid the risks of fires, all contaminated materials should be stored in purpose-built containers or in metal containers with tight-fitting, self-closing lids. Contaminated materials should be removed from the workplace at the end of each working day and be stored outside.

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

: **Advice on general occupational hygiene**

## Section 7. Handling and storage

Store between the following temperatures: 5 to 35°C (41 to 95°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

: **Conditions for safe storage, including any incompatibilities**

## Section 8. Exposure controls/personal protection

### Control parameters

#### Occupational exposure limits

<b>Exposure limits</b>	<b>Ingredient name</b>
None.	

If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

: **Recommended monitoring procedures**

Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

: **Appropriate engineering controls**

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

: **Environmental exposure controls**

### Individual protection measures

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

: **Hygiene measures**

Safety glasses with side shields.

: **Eye/face protection**

### Skin protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. When prolonged or frequently repeated contact may occur, a glove with a protection class of 6 (breakthrough time greater than 480 minutes according to EN 374) is recommended. When only brief contact is expected, a glove with a

: **Hand protection**

## Section 8. Exposure controls/personal protection

protection class of 2 or higher (breakthrough time greater than 30 minutes according to EN 374) is recommended. The user must check that the final choice of type of glove selected for handling this product is the most appropriate and takes into account the particular conditions of use, as included in the user's risk assessment.

For prolonged or repeated handling, use the following type of gloves:

: **Gloves**

Recommended: Viton®

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

: **Body protection**

Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

: **Other skin protection**

Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.

: **Respiratory protection**

## Section 9. Physical and chemical properties and safety characteristics

### Appearance

Liquid.

: **Physical state**

Various

: **Colour**

Characteristic.

: **Odour**

Not available.

: **Odour threshold**

Not available.

: **pH**

May start to solidify at the following temperature: 0°C (32°F) This is based on data for the following ingredient: water. Weighted average: -2.89°C (26.8°F)

: **Melting point/freezing point**

>37.78°C

: **Initial boiling point and boiling range**

Closed cup: Not applicable. [Product does not sustain combustion.]

: **Flash point**

Not available.

: **Evaporation rate**

liquid

: **Flammability (solid, gas)**

Not applicable.

: **Upper/lower flammability or explosive limits**

Highest known value: 3.2 kPa (23.8 mm Hg) (at 20°C) (water). Weighted average: 3.08 kPa (23.1 mm Hg) (at 20°C)

: **Vapour pressure**

Highest known value: 7.5 (Air = 1) (isobutyric acid, monoester with 2,2,4-trimethylpentane-1,3-diol). Weighted average: 6.99 (Air = 1)

: **Vapour density**

1.02

: **Relative density**

Partially soluble in the following materials: cold water.

: **Solubility(ies)**

Not applicable.

: **Partition coefficient: n-octanol/water**

Not applicable.

: **Auto-ignition temperature**

Stable under recommended storage and handling conditions (see Section 7).

: **Decomposition temperature**

Kinematic (40°C): >0.21 cm<sup>2</sup>/s

: **Viscosity**

Not available.

: **Explosive properties**

Product does not present an oxidizing hazard.

: **Oxidising properties**

## Section 9. Physical and chemical properties and safety characteristics

## Section 10. Stability and reactivity

No specific test data related to reactivity available for this product or its ingredients. : **Reactivity**

The product is stable. : **Chemical stability**

Under normal conditions of storage and use, hazardous reactions will not occur. : **Possibility of hazardous reactions**

When exposed to high temperatures may produce hazardous decomposition products. : **Conditions to avoid**

Refer to protective measures listed in sections 7 and 8.

Keep away from the following materials to prevent strong exothermic reactions: oxidising agents, strong alkalis, strong acids. : **Incompatible materials**

Depending on conditions, decomposition products may include the following materials: carbon oxides nitrogen oxides : **Hazardous decomposition products**

## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

Exposure	Dose	Species	Result	Product/ingredient name
4 hours	0.67 mg/l	Rat	LC50 Inhalation Dusts and mists	3-iodo-2-propynyl butylcarbamate
-	>2 g/kg	Rabbit	LD50 Dermal	
-	1470 mg/kg	Rat	LD50 Oral	

There are no data available on the mixture itself. : **Conclusion/Summary**

#### Acute toxicity estimates

ATE value	Route
260.3 mg/l	Inhalation (dusts and mists)

#### Irritation/Corrosion

Observation	Exposure	Score	Species	Result	Product/ingredient name
-	-	-	Rabbit	Eyes - Severe irritant	3-iodo-2-propynyl butylcarbamate

#### Conclusion/Summary

There are no data available on the mixture itself. : **Skin**

There are no data available on the mixture itself. : **Eyes**

There are no data available on the mixture itself. : **Respiratory**

#### Sensitisation

#### Conclusion/Summary

There are no data available on the mixture itself. : **Skin**

There are no data available on the mixture itself. : **Respiratory**

## Section 11. Toxicological information

### Mutagenicity

There are no data available on the mixture itself.

: Conclusion/Summary

### Carcinogenicity

There are no data available on the mixture itself.

: Conclusion/Summary

### Reproductive toxicity

There are no data available on the mixture itself.

: Conclusion/Summary

### Teratogenicity

There are no data available on the mixture itself.

: Conclusion/Summary

### Specific target organ toxicity (single exposure)

Not available.

### Specific target organ toxicity (repeated exposure)

Target organs	Route of exposure	Category	Product/ingredient name
larynx	Not determined	Category 1	3-iodo-2-propynyl butylcarbamate

### Aspiration hazard

Not available.

Not available.

: Information on likely routes of exposure

### Potential acute health effects

No known significant effects or critical hazards.

: Eye contact

No known significant effects or critical hazards.

: Inhalation

No known significant effects or critical hazards.

: Skin contact

No known significant effects or critical hazards.

: Ingestion

### Symptoms related to the physical, chemical and toxicological characteristics

No specific data.

: Eye contact

No specific data.

: Inhalation

No specific data.

: Skin contact

No specific data.

: Ingestion

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

#### Short term exposure

Not available.

: Potential immediate effects

Not available.

: Potential delayed effects

#### Long term exposure

Not available.

: Potential immediate effects

Not available.

: Potential delayed effects

### Potential chronic health effects

Not available.

Not available.

: Conclusion/Summary

No known significant effects or critical hazards.

: General

No known significant effects or critical hazards.

: Carcinogenicity



## Section 11. Toxicological information

No known significant effects or critical hazards.

: **Mutagenicity**

No known significant effects or critical hazards.

: **Teratogenicity**

No known significant effects or critical hazards.

: **Developmental effects**

No known significant effects or critical hazards.

: **Fertility effects**

Not available.

: **Other information**

## Section 12. Ecological information

### Toxicity

Exposure	Species	Result	Product/ingredient name
96 hours	-	Acute LC50 0.067 mg/l	3-iodo-2-propynyl butylcarbamate
96 hours	Fish - Trout	Chronic NOEC 0.049 mg/l	

There are no data available on the mixture itself.

: **Conclusion/Summary**

### Persistence and degradability

Inoculum	Dose	Result	Test	Product/ingredient name
-	-	25 % - Inherent - 28 days	-	3-iodo-2-propynyl butylcarbamate

There are no data available on the mixture itself.

: **Conclusion/Summary**

Biodegradability	Photolysis	Aquatic half-life	Product/ingredient name
Inherent	-	-	3-iodo-2-propynyl butylcarbamate

### Bioaccumulative potential

Not available.

### Mobility in soil

Not available.

: **Soil/water partition coefficient (K<sub>oc</sub>)**

Not available.

: **Mobility**

### Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

No known significant effects or critical hazards.

: **Other adverse effects**

## Section 13. Disposal considerations

The generation of waste should be avoided or minimised wherever possible.

: **Disposal methods**

Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or

## Section 13. Disposal considerations

landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spill material and runoff and contact with soil, waterways, drains and sewers.

### Product

The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

: **Methods of disposal**

Yes.

: **Hazardous waste**

### Packaging

The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

: **Methods of disposal**

This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spill material and runoff and contact with soil, waterways, drains and sewers.

: **Special precautions**

## Section 14. Transport information

<b>IATA</b>	<b>IMDG</b>	<b>UN</b>	
Not regulated.	Not regulated.	Not regulated.	<b>UN number</b>
-	-	-	<b>UN proper shipping name</b>
-	-	-	<b>Transport hazard class(es)</b>
-	-	-	<b>Packing group</b>
No.	No.	No.	<b>Environmental hazards</b>
Not applicable.	Not applicable.	Not applicable.	<b>Marine pollutant substances</b>

### Additional information

None identified.

: **UN**

None identified.

: **IMDG**

None identified.

: **IATA**

**Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

: **Special precautions for user**

Not applicable.

: **Transport in bulk according to Annex II of Marpol and the IBC Code**

## Section 15. Regulatory information

### EU Regulation (EC) No. 1907/2006 (REACH)

Not applicable.

: **Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles**

### Ozone depleting substances (1005/2009/EU)

Not listed.

IIA/e. Interior/exterior trim varnishes and woodstains, including opaque woodstains.

: **VOC for Ready-for-Use Mixture**

EU limit values: 130g/l (2010.)

This product contains a maximum of 30 g/l VOC.

No Chemical Safety Assessment has been carried out.

: **Chemical safety assessment**

## Section 16. Other information

Indicates information that has changed from previously issued version.

: **Key to abbreviations**

ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)

UN = United Nations

### Procedure used to derive the classification

Justification	Classification
Calculation method	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3

### Full text of abbreviated H statements

Harmful if swallowed.	H302
May cause an allergic skin reaction.	H317
Causes serious eye damage.	H318
Toxic if inhaled.	H331
Causes damage to organs through prolonged or repeated exposure.	H372
Very toxic to aquatic life.	H400
Very toxic to aquatic life with long lasting effects.	H410
Harmful to aquatic life with long lasting effects.	H412

### Full text of classifications [CLP/GHS]

Acute Tox. 3, H331	ACUTE TOXICITY (inhalation) - Category 3
Acute Tox. 4, H302	ACUTE TOXICITY (oral) - Category 4
Aquatic Acute 1, H400	SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1
Aquatic Chronic 1, H410	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1
Aquatic Chronic 3, H412	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3
Eye Dam. 1, H318	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1
Skin Sens. 1, H317	SKIN SENSITISATION - Category 1
STOT RE 1, H372	SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 1

### History

8 August 2019

: **Date of issue/Date of revision**

10140DSC44X75

: **Code**

BONDEX DECK GUARD

## Section 16. Other information

8/8/2019

: **Date of issue/Date of revision**

6/30/2019

: **Date of previous issue**

1.05

: **Version**

EHS

: **Prepared by**

### [Disclaimer](#)

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.