

PHU28M INTERTHANE 990 HERCULES BLUE PART A

Version No. 1 Revision Date 11/09/13

1.1. Product identifier

INTERTHANE 990 HERCULES BLUE PART A

Product Code

PHU28M

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

Intended use

Refer Technical Data Sheet.

Application Method

Refer Technical Data Sheet.

1.3. Details of the supplier of the safety data sheet

Manufacturer

International Paint Sdn Bhd

Lot 1 & 2, Jalan Gangsa

Pasir Gudang

81700

Malaysia

Telephone No.

(07) 254 1128

Fax No.

(07) 251 4775

1.4. Emergency telephone number

(07) 254 1126

For Poisons Advice telephone

For Advice to Doctors & Hospitals only

2. Hazard identification of the product

2.1. Classification of the substance or mixture

2.2. Label elements

Using the Toxicity Data listed in section 11 & 12 the product is labelled as follows.

[Prevention]:

[Response]:

[Storage]:

[Disposal]:

2.3. Other hazards

3. Composition/information on ingredients

This product contains the following hazardous substances.

| Ingredient/Chemical Designations | Weight % | GHS Classification | Notes |
|---|----------|--------------------|-------|
| Solvent naphtha (petroleum), light aromatic CAS Number: 0064742-95-6 | 10-25 | Asp. Tox. 1;H304 | [1] |
| | | | |

| | | | |
|---|--------|---|--------|
| Xylene CAS Number: 0001330-20-7 | 10-25 | Flam. Liq. 3;H226 Acute Tox. 4;H332 Acute Tox. 4;H312 Skin Irrit. 2;H315 | [1][2] |
| Titanium dioxide CAS Number: 0013463-67-7 | 2.5-10 | | [1][2] |
| Castor oil CAS Number: 0008001-79-4 | 2.5-10 | | [1] |
| Ethyl Benzene CAS Number: 0000100-41-4 | 2.5-10 | Flam. Liq. 2;H225 Acute Tox. 4;H332 | [1][2] |
| 1-Methoxy-2-propylacetate CAS Number: 0000108-65-6 | 1-2.5 | Flam. Liq. 3;H226 | [1] |

[1] Substance classified with a health or environmental hazard.

[2] Substance with a workplace exposure limit.

[3] PBT-substance or vPvB-substance.

*The full texts of the Hazard (H) phrases are shown in Section 16.

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 and hence do not require reporting in this section.

4. First aid measures

4.1. Description of first aid measures

General

Inhalation

Skin Contact

Eye Contact

Ingestion

4.2. Most important symptoms and effects, both acute and delayed

4.3. Indication of any immediate medical attention and special treatment needed

5. Fire-fighting measures

5.1. Extinguishing media

5.2. Special hazards arising from the substance or mixture

5.3. Advice for fire-fighters

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.2. Environmental precautions

6.3. Methods and material for containment and cleaning up

7. Handling and storage

7.1. Precautions for safe handling

Handling

In Storage

7.2. Conditions for safe storage, including any incompatibilities

7.3. Specific end use(s)

8. Exposure controls and personal protection

8.1. Control parameters

Exposure standards are those provided by the ACGIH (American Conference of Government Industrial Hygienists).

| Material | Short term (15 min. ave) | | Long term (8hr time weighted average) | | Comments |
|-------------------|--------------------------|-------------------|---------------------------------------|-------|----------|
| | ppm | mg/m ³ | ppm | mg/M3 | |
| Calcium carbonate | - | - | - | 10 | |
| Ethyl Benzene | 125 | 543 | 100 | 434 | |
| Titanium dioxide | - | - | - | 10 | |
| Xylene | 150 | 651 | 100 | 434 | |

Key to notification

(P) Peak exposure limit

(R) Suppliers Recommended Limit

(Sk) There is a risk of absorption through unbroken skin

(Sen) Sensitiser

(Cat1) Category 1 - established human carcinogen

(Cat2) Category 2 - probable human carcinogen

(Cat3) Category 3 - substances suspected of having carcinogenic potential

DNEL/PNEC values

8.2. Exposure controls

Eye Protection

Skin Protection

Other

Respiratory Protection

Thermal hazards

9. Physical and chemical properties

Colour

Odour

Odour threshold

pH

Melting point / freezing point (°C)

Initial boiling point and boiling range (°C)

Flash Point (C)

Evaporation rate (Ether = 1)

Flammability (solid, gas)

Upper/lower flammability or explosive limits

Lower Explosive Limit: 1.1 (Xylene)

Upper Explosive Limit: 6.6 (Xylene)

Vapour pressure (Pa)

Vapour Density

Specific Gravity

0.00

Solubility in Water

Partition coefficient n-octanol/water (Log Kow)

Autoignition temperature ()

Decomposition temperature

Viscosity (cSt)

9.2. Other information

No further information

10. Stability and reactivity

10.1. Reactivity

10.2. Chemical stability

10.3. Possibility of hazardous reactions

10.4. Conditions to avoid

10.5. Incompatible materials

10.6. Hazardous decomposition products

11. Toxicological information

Acute toxicity

| Ingredient | Oral LD50, mg/kg | Skin LD50, mg/kg | Inhalation Vapour LD50, mg/L/4hr | Inhalation Dust/Mist LD50, mg/L/4hr |
|--|---------------------|---------------------|--|---|
| 1-Methoxy-2-propylacetate - (108-65-6) | 8,532.00, Rat | 5,000.00, Rabbit | Not Available | Not Available |
| Castor oil - (8001-79-4) | Not Available | Not Available | Not Available | Not Available |
| Ethyl Benzene - (100-41-4) | 3,500.00, Rat | 15,433.00, Rabbit | 17.20, Rat | Not Available |
| Solvent naphtha (petroleum), light aromatic - (64742-95-6) | 6,800.00, Rat | 3,400.00, Rabbit | Not Available | Not Available |
| Titanium dioxide - (13463-67-7) | 10,000.00, Rat | 10,000.00, Rabbit | Not Available | 6.82, Rat |
| Xylene - (1330-20-7) | 4,299.00, Rat | 1,548.00, Rabbit | Not Available | 20.00, Rat |

| Item | Category | Hazard |
|-----------------------------|----------------|----------------|
| Acute Toxicity (mouth) | Not Classified | Not Applicable |
| Acute Toxicity (skin) | Not Classified | Not Applicable |
| Acute Toxicity (inhalation) | Not Classified | Not Applicable |
| Skin corrosion/irritation | Not Classified | Not Applicable |
| Eye damage/irritation | Not Classified | Not Applicable |
| | | |

| | | |
|---|----------------|----------------|
| Sensitization (respiratory) | Not Classified | Not Applicable |
| Sensitization (skin) | Not Classified | Not Applicable |
| Germ toxicity | Not Classified | Not Applicable |
| Carcinogenicity | Not Classified | Not Applicable |
| Reproductive Toxicity | Not Classified | Not Applicable |
| Specific target organ systemic toxicity (single exposure) | Not Classified | Not Applicable |
| Specific target organ systemic Toxicity (repeated exposure) | Not Classified | Not Applicable |
| Aspiration hazard | Not Classified | Not Applicable |

12. Ecological information

12.1. Toxicity

Aquatic Ecotoxicity

| Ingredient | 96 hr LC50 fish, mg/l | 48 hr EC50 crustacea, mg/l | ErC50 algae, mg/l |
|--|---------------------------------|----------------------------|---|
| Solvent naphtha (petroleum), light aromatic - (64742-95-6) | 9.22, Oncorhynchus mykiss | 6.14, Daphnia magna | 19.00 (72 hr), Selenastrum capricornutum |
| Xylene - (1330-20-7) | 3.30, Oncorhynchus mykiss | 8.50, Palaemonetes pugio | 100.00 (72 hr), Chlorococcales |
| Titanium dioxide - (13463-67-7) | 1,000.00, Fundulus heteroclitus | 5.50, Daphnia magna | 5.83 (72 hr), Pseudokirchneriella subcapitata |
| Castor oil - (8001-79-4) | Not Available | Not Available | Not Available |
| Ethyl Benzene - (100-41-4) | 4.20, Oncorhynchus mykiss | 2.93, Daphnia magna | 3.60 (96 hr), Pseudokirchneriella subcapitata |
| 1-Methoxy-2-propylacetate - (108-65-6) | 100.00, Salmo gairdneri | 500.00, Daphnia magna | Not Available |

12.2. Persistence and degradability

12.3. Bioaccumulative potential

12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects

13. Disposal considerations

13.1. Waste treatment methods

14. Transport information

14.1. UN number

14.2. UN proper shipping name

14.3. Transport hazard class(es)

Road and Rail Transport

| IMDG reference : | Class/Div | Sub Class |
|---------------------|-----------|-----------|
|---------------------|-----------|-----------|

Ems

| ICAO/IATA | Class | Sub Class |
|-----------|-------|-----------|
|-----------|-------|-----------|

14.4. Packing group

14.5. Environmental hazards

Road and Rail Environmentally Hazardous:
Transport

| IMDG reference : | Marine Pollutant: |
|---------------------|-------------------|
|---------------------|-------------------|

14.6. Special precautions for user

No further information

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not Applicable

15. Regulatory information

The product and all its components complies with these local regulations:
NICNAS - Australia
EPA - New Zealand

16. Other information

The information on this SDS is based upon the present state of our knowledge and on current law.
The product should not be used for purposes other than shown in the product data sheet without first obtaining written advice.

It is always the responsibility of the user to take all necessary steps to meet the demands of applicable legislation.

The information in this Safety Data Sheet is required according to legislation.

The full text of the phrases appearing in section 3 is:

H226 Flammable liquid and vapour.

H301 Toxic if swallowed.

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H336 May cause drowsiness and dizziness.

H341 Suspected of causing genetic defects.

H360 May damage fertility or the unborn child.

H372 Causes damage to organs through prolonged or repeated exposure.

H373 May cause damage to organs through prolonged or repeated exposure.

H410 Very toxic to aquatic life with long lasting effects.

**This SDS is valid for 5 years from the revised date on page 1.
The revision date is in American format (e.g. MM/DD/YY).**

End of document

All information concerning this product and/or suggestions for handling and use contained herein are offered in good faith and are believed to be reliable.

Akzo Nobel however makes no warranty as to the accuracy of and/or sufficiency of such information.



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