

## SAFETY DATA SHEET

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

#### 1.1. Product identifier

|  |                            |
|--|----------------------------|
| Trade name or designation of the mixture | Humiseal Thinner 73        |
| Registration number                      | -                          |
| Synonyms                                 | None.                      |
| Product code                             | HumiSeal Europe Thinner 73 |
| Issue date                               | 19-June-2015               |
| Version number                           | 02                         |
| Revision date                            | 12-December-2017           |
| Supersedes date                          | 19-June-2015               |

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

|                      |                                 |
|----------------------|---------------------------------|
| Identified uses      | Thinner for Protective coatings |
| Uses advised against | None known.                     |

#### 1.3. Details of the supplier of the safety data sheet

##### Supplier

|                |  |                     |
|----------------|--|---------------------|
| Company name   | HUMISEAL EUROPE LTD.   |                     |
| Address        | 505 Eskdale Road<br>Winnersh<br>Wokingham Berkshire RG41 5TU<br>UK |                     |
| Division       | A CHASE CORPORATION COMPANY  |                     |
| Telephone      | General Assistance   | 44 (0) 118 944 2333 |
| e-mail         | europetechsupport@chasecorp.com                                    |                     |
| Contact person | Not available.   |                     |

|                                 |              |                 |
|---------------------------------|--------------|-----------------|
| 1.4. Emergency telephone number | Chemtrec USA | 1-800-424-9300  |
|                                 | OutSide USA  | +1 703-741-5970 |

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

#### Classification according to Regulation (EC) No 1272/2008 as amended

##### Physical hazards

|                   |            |  |
|-------------------|------------|--|
| Flammable liquids | Category 2 | H225 - Highly flammable liquid and vapour. |
|-------------------|------------|--|

##### Health hazards

|  |                             |   |
|--|-----------------------------|---|
| Specific target organ toxicity - single exposure | Category 3 narcotic effects | H336 - May cause drowsiness or dizziness. |
|--|-----------------------------|---|

##### Environmental hazards

|  |            |   |
|--|------------|---|
| Hazardous to the aquatic environment, long-term aquatic hazard | Category 3 | H412 - Harmful to aquatic life with long lasting effects. |
|--|------------|---|

#### Hazard summary

May be ignited by heat, sparks or flames. May cause drowsiness and dizziness. Dangerous for the environment if discharged into watercourses. Occupational exposure to the substance or mixture may cause adverse health effects.

## 2.2. Label elements

### Label according to Regulation (EC) No. 1272/2008 as amended

Contains: n-Butyl acetate

#### Hazard pictograms



#### Signal word

Danger

#### Hazard statements

H225 Highly flammable liquid and vapour.  
H336 May cause drowsiness or dizziness.  
H412 Harmful to aquatic life with long lasting effects.

#### Precautionary statements

##### 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.  
P261 Avoid breathing mist or vapour.  
P271 Use only outdoors or in a well-ventilated area.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/eye protection/face protection.

##### Response

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P312 Call a POISON CENTRE/doctor if you feel unwell.  
P370 + P378 In case of fire: Use appropriate media to extinguish.

##### Storage

P235 Keep cool.  
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.  
P405 Store locked up.

##### Disposal

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**Supplemental label information** 100 % of the mixture consists of component(s) of unknown acute dermal toxicity. 100 % of the mixture consists of component(s) of unknown acute hazards to the aquatic environment. EUH066 - Repeated exposure may cause skin dryness or cracking.

**2.3. Other hazards** Not a PBT or vPvB substance or mixture.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### General information

| Chemical name          | %   | CAS-No. / EC No.      | REACH Registration No. | INDEX No.    | Notes |
|------------------------|---|-----------------------|------------------------|--------------|-------|
| n-Butyl acetate        | 90 - 100  | 123-86-4<br>204-658-1 | 01-2119485493-29-xxxx  | 607-025-00-1 |       |
| <b>Classification:</b> | Flam. Liq. 3;H226, STOT SE 3;H336, Aquatic Chronic 3;H412 |                       |                        |              |       |

#### List of abbreviations and symbols that may be used above

#: This substance has been assigned Union workplace exposure limit(s).  
M: M-factor  
PBT: persistent, bioaccumulative and toxic substance.  
vPvB: very persistent and very bioaccumulative substance.  
All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

**Composition comments** The full text for all H-statements is displayed in section 16.

## SECTION 4: First aid measures

#### General information

Take off all contaminated clothing immediately. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

#### 4.1. Description of first aid measures

|                     |   |
|---------------------|---|
| <b>Inhalation</b>   | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTRE or doctor/physician if you feel unwell.                                 |
| <b>Skin contact</b> | Take off immediately all contaminated clothing. Rinse skin with water/shower. Get medical attention if irritation develops and persists.  |
| <b>Eye contact</b>  | Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Get medical attention if irritation develops and persists. |
| <b>Ingestion</b>    | Rinse mouth. Get medical attention if symptoms occur.   |

**4.2. Most important symptoms and effects, both acute and delayed** May cause drowsiness and dizziness. Headache. Nausea, vomiting. Direct contact with eyes may cause temporary irritation.

**4.3. Indication of any immediate medical attention and special treatment needed** Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim under observation. Symptoms may be delayed.

### SECTION 5: Firefighting measures

**General fire hazards** Highly flammable liquid and vapour.

#### 5.1. Extinguishing media

**Suitable extinguishing media** Water fog. Alcohol resistant foam. Dry chemical powder. Carbon dioxide (CO<sub>2</sub>).

**Unsuitable extinguishing media** Do not use water jet as an extinguisher, as this will spread the fire.

**5.2. Special hazards arising from the substance or mixture** Vapours may form explosive mixtures with air. Vapours may travel considerable distance to a source of ignition and flash back. During fire, gases hazardous to health may be formed.

#### 5.3. Advice for firefighters

**Special protective equipment for firefighters** Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

**Special fire fighting procedures** In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.

**Specific methods** Use standard firefighting procedures and consider the hazards of other involved materials.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel** Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist or vapour. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

**For emergency responders** Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up.

**6.2. Environmental precautions** Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

**6.3. Methods and material for containment and cleaning up** Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil etc) away from spilled material. Take precautionary measures against static discharge. Use only non-sparking tools. Prevent product from entering drains.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.

Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use.

**6.4. Reference to other sections** For personal protection, see section 8 of the SDS. For waste disposal, see section 13 of the SDS.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. When using do not smoke. Explosion-proof general and local exhaust ventilation. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Avoid breathing mist or vapour. Avoid prolonged exposure. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices.

### 7.2. Conditions for safe storage, including any incompatibilities

Store locked up. Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in a cool, dry place out of direct sunlight. Store in original tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS).

### 7.3. Specific end use(s)

Not available.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limits

##### UK. EH40 Workplace Exposure Limits (WELs)

| Components                     | Type | Value                 |
|--------------------------------|------|-----------------------|
| n-Butyl acetate (CAS 123-86-4) | STEL | 966 mg/m <sup>3</sup> |
|                                | TWA  | 200 ppm               |
|                                |      | 724 mg/m <sup>3</sup> |
|                                |      | 150 ppm               |

#### Biological limit values

No biological exposure limits noted for the ingredient(s).

#### Recommended monitoring procedures

Follow standard monitoring procedures.

#### Derived no effect levels (DNELs)

Not available.

#### Predicted no effect concentrations (PNECs)

Not available.

### 8.2. Exposure controls

#### Appropriate engineering controls

Explosion-proof general and local exhaust ventilation. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash fountain and emergency showers are recommended.

#### Individual protection measures, such as personal protective equipment

##### General information

Use personal protective equipment as required. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

##### Eye/face protection

Chemical respirator with organic vapour cartridge and full facepiece.

##### Skin protection

##### - Hand protection

Wear appropriate chemical resistant gloves.

##### - Other

Wear suitable protective clothing.

##### Respiratory protection

Chemical respirator with organic vapour cartridge and full facepiece.

##### Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

#### Hygiene measures

When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

#### Environmental exposure controls

Inform appropriate managerial or supervisory personnel of all environmental releases.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

#### Appearance

##### Physical state

Liquid.

##### Form

Liquid.

##### Colour

Clear. Nearly colorless

|   |                                |
|---|--------------------------------|
| <b>Odour</b>  | Fruity                         |
| <b>Odour threshold</b>                              | Not available.                 |
| <b>pH</b>   | Does not apply.                |
| <b>Melting point/freezing point</b>                 | -78 °C (-108.4 °F) estimated   |
| <b>Initial boiling point and boiling range</b>      | 126.1 °C (258.98 °F) estimated |
| <b>Flash point</b>                                  | 22.0 °C (71.6 °F)              |
| <b>Evaporation rate</b>                             | 1 BuAc                         |
| <b>Flammability (solid, gas)</b>                    | Not applicable.                |
| <b>Upper/lower flammability or explosive limits</b> |                                |
| <b>Flammability limit - lower (%)</b>               | 1.4 %                          |
| <b>Flammability limit - upper (%)</b>               | 7.6 %                          |
| <b>Vapour pressure</b>                              | 15.33 hPa estimated            |
| <b>Vapour density</b>                               | Not available.                 |
| <b>Relative density</b>                             | Not available.                 |
| <b>Solubility(ies)</b>                              |                                |
| <b>Solubility (water)</b>                           | Not available.                 |
| <b>Partition coefficient (n-octanol/water)</b>      | Not available.                 |
| <b>Auto-ignition temperature</b>                    | 425 °C (797 °F) estimated      |
| <b>Decomposition temperature</b>                    | Not available.                 |
| <b>Viscosity</b>                                    | Not available.                 |
| <b>Explosive properties</b>                         | Not explosive.                 |
| <b>Oxidising properties</b>                         | Not oxidising.                 |
| <b>9.2. Other information</b>                       |                                |
| <b>Density</b>                                      | 0.88 g/cm3                     |
| <b>Percent volatile</b>                             | 100 %                          |
| <b>Specific gravity</b>                             | 0.88                           |
| <b>VOC</b>  | 100 % estimated                |

## SECTION 10: Stability and reactivity

|   |  |
|---|--|
| <b>10.1. Reactivity</b>                         | The product is stable and non-reactive under normal conditions of use, storage and transport.  |
| <b>10.2. Chemical stability</b>                 | Material is stable under normal conditions.  |
| <b>10.3. Possibility of hazardous reactions</b> | No dangerous reaction known under conditions of normal use.  |
| <b>10.4. Conditions to avoid</b>                | Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials. |
| <b>10.5. Incompatible materials</b>             | Nitrates.  |
| <b>10.6. Hazardous decomposition products</b>   | No hazardous decomposition products are known.   |

## SECTION 11: Toxicological information

|   |   |
|---|---|
| <b>General information</b>                        | Occupational exposure to the substance or mixture may cause adverse effects.  |
| <b>Information on likely routes of exposure</b>   |   |
| <b>Inhalation</b>                                 | May cause drowsiness and dizziness. Headache. Nausea, vomiting. Prolonged inhalation may be harmful.                |
| <b>Skin contact</b>                               | No adverse effects due to skin contact are expected.  |
| <b>Eye contact</b>                                | Direct contact with eyes may cause temporary irritation.  |
| <b>Ingestion</b>                                  | May cause discomfort if swallowed. However, ingestion is not likely to be a primary route of occupational exposure. |
| <b>Symptoms</b>                                   | May cause drowsiness and dizziness. Headache. Nausea, vomiting.   |
| <b>11.1. Information on toxicological effects</b> |   |
| <b>Acute toxicity</b>                             | Not known.  |
| <b>Skin corrosion/irritation</b>                  | Due to partial or complete lack of data the classification is not possible.   |

|   |   |
|---|---|
| <b>Serious eye damage/eye irritation</b>                  | Due to partial or complete lack of data the classification is not possible. |
| <b>Respiratory sensitisation</b>                          | Due to partial or complete lack of data the classification is not possible. |
| <b>Skin sensitisation</b>                                 | Due to partial or complete lack of data the classification is not possible. |
| <b>Germ cell mutagenicity</b>                             | Due to partial or complete lack of data the classification is not possible. |
| <b>Carcinogenicity</b>                                    | Due to partial or complete lack of data the classification is not possible. |
| <b>Reproductive toxicity</b>                              | Due to partial or complete lack of data the classification is not possible. |
| <b>Specific target organ toxicity - single exposure</b>   | May cause drowsiness and dizziness.   |
| <b>Specific target organ toxicity - repeated exposure</b> | Due to partial or complete lack of data the classification is not possible. |
| <b>Aspiration hazard</b>                                  | Due to partial or complete lack of data the classification is not possible. |
| <b>Mixture versus substance information</b>               | No information available.   |
| <b>Other information</b>                                  | Not available.  |

## SECTION 12: Ecological information

**12.1. Toxicity** Harmful to aquatic life with long lasting effects. Due to partial or complete lack of data the classification for hazardous to the aquatic environment, acute hazard, is not possible.

| Components                     | Species | Test results   |
|--------------------------------|---------|--|
| n-Butyl acetate (CAS 123-86-4) |         |  |
| <b>Aquatic</b>                 |         |  |
| Fish                           | LC50    | Fathead minnow ( <i>Pimephales promelas</i> ) 17 - 19 mg/l, 96 hours |

\* Estimates for product may be based on additional component data not shown.

**12.2. Persistence and degradability**

**12.3. Bioaccumulative potential**

**Partition coefficient**

**n-octanol/water (log Kow)**

n-Butyl acetate 1.78

**Bioconcentration factor (BCF)** Not available.

**12.4. Mobility in soil** No data available.

**12.5. Results of PBT and vPvB assessment** Not a PBT or vPvB substance or mixture.

**12.6. Other adverse effects**

The product contains volatile organic compounds which have a photochemical ozone creation potential.

## SECTION 13: Disposal considerations

**13.1. Waste treatment methods**

|                                     |  |
|-------------------------------------|--|
| <b>Residual waste</b>               | Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).   |
| <b>Contaminated packaging</b>       | Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.   |
| <b>EU waste code</b>                | The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.   |
| <b>Disposal methods/information</b> | Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations. |
| <b>Special precautions</b>          | Dispose in accordance with all applicable regulations.   |

## SECTION 14: Transport information

**ADR**

|                                      |                        |
|--------------------------------------|------------------------|
| <b>14.1. UN number</b>               | UN1263                 |
| <b>14.2. UN proper shipping name</b> | Paint related material |

**14.3. Transport hazard class(es)**

Class 3  
Subsidiary risk -  
Label(s) 3  
Hazard No. (ADR) 33  
Tunnel restriction code D/E

**14.4. Packing group** II**14.5. Environmental hazards** No.**14.6. Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.**RID****14.1. UN number** UN1263**14.2. UN proper shipping name** Paint related material**14.3. Transport hazard class(es)**

Class 3  
Subsidiary risk -  
Label(s) 3

**14.4. Packing group** II**14.5. Environmental hazards** No.**14.6. Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.**ADN****14.1. UN number** UN1263**14.2. UN proper shipping name** Paint related material**14.3. Transport hazard class(es)**

Class 3  
Subsidiary risk -  
Label(s) 3

**14.4. Packing group** II**14.5. Environmental hazards** No.**14.6. Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.**IATA****14.1. UN number** UN1263**14.2. UN proper shipping name** PAINT RELATED MATERIAL**14.3. Transport hazard class(es)**

Class 3  
Subsidiary risk -

**14.4. Packing group** II**14.5. Environmental hazards** No.**ERG Code** 3H**14.6. Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.**Other information****Passenger and cargo aircraft** Allowed with restrictions.**Cargo aircraft only** Allowed with restrictions.**IMDG****14.1. UN number** UN1263**14.2. UN proper shipping name** PAINT RELATED MATERIAL**14.3. Transport hazard class(es)**

Class 3  
Subsidiary risk -

**14.4. Packing group** II**14.5. Environmental hazards****Marine pollutant** No.**EmS** F-E, S-E**14.6. Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not established.

ADN; ADR; IATA; IMDG; RID



## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### EU regulations

**Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I and II, as amended**

Not listed.

**Regulation (EC) No. 850/2004 On persistent organic pollutants, Annex I as amended**

Not listed.

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended**

Not listed.

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended**

Not listed.

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended**

Not listed.

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended**

Not listed.

**Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry, as amended**

Not listed.

**Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA**

Not listed.

#### Authorisations

**Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended**

Not listed.

#### Restrictions on use

**Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended**

Not listed.

**Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work, as amended.**

Not listed.

#### Other EU regulations

**Directive 2012/18/EU on major accident hazards involving dangerous substances, as amended**

n-Butyl acetate (CAS 123-86-4)

#### Other regulations

The product is classified and labelled in accordance with Regulation (EC) 1272/2008 (CLP Regulation) as amended. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006, as amended. Additional information is given in the Safety Data Sheet.

#### National regulations

Follow national regulation for work with chemical agents.

### 15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out.

## SECTION 16: Other information

#### List of abbreviations

Not available.

#### References

Not available.

#### Information on evaluation method leading to the classification of mixture

The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.



**Full text of any H-statements  
not written out in full under  
Sections 2 to 15**

H226 Flammable liquid and vapour.  
H336 May cause drowsiness or dizziness.  
H412 Harmful to aquatic life with long lasting effects.

**Revision information**

This document has undergone significant changes and should be reviewed in its entirety.

**Training information**

Follow training instructions when handling this material.

**Disclaimer**

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create any warranty, expressed or implied. It is the responsibility of the user to determine the applicability of this information and the suitability of the material or product for any particular purpose