SAFETY DATA SHEET

H3506

According to Regulation (EC) No 1907/2006, Annex II, as amended by Regulation (EU) No 453/2010

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

1.1. Product identifier

Product name H3506

Product number H3506

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

Identified uses Adhesive

Uses advised against No specific uses advised against are identified.

1.3. Details of the supplier of the safety data sheet

Supplier
HESKINS LTD
CHURCHILL ROAD INDUSTRIAL ESTATE
BRINSCALL
PR6 8RQ
T: +44 (0) 1254 832266
F: +44 (0) 1254 832476
E: mail@heskins.com

1.4. Emergency telephone number

Emergency telephone +44 (0) 1254 832266 (NOT 24HRS)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Physical hazards Flam. Liq. 2 - H225

Health hazards Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Elicitation - EUH208 STOT SE 3 -H336

Environmental hazards Aquatic Chronic 2 - H411

Classification (67/548/EEC or 1999/45/EC) Xi;R36/38. F;R11. N;R51/53. R67.

Physicochemical The product is highly flammable. Vapours may form explosive mixtures with air. Vapours are heavier than air and may travel along the floor and accumulate in the bottom of containers. Vapours may be ignited by a spark, a hot surface or an ember.

2.2. Label elements

Pictogram

Signal word Danger

Hazard statements
H225 Highly flammable liquid and vapour
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H411 Toxic to aquatic life with long lasting effects.
EUH208 Contains ROSIN. May produce an allergic reaction.

Precautionary statements
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P271 Use only outdoors or in a well-ventilated area.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501 Dispose of contents/container in accordance with national regulations.
P260 Do not breathe dust/fume/gas/mist/vapours/spray.

Supplemental label information RCH002a Restricted to professional users.

Contains hydrocarbons, C6-C7,n-alkanes, isoalkanes, cyclics, <5% n-hexane, BUTANONE, ACETONE, TOLUENE, HEXANE-norm

Supplementary precautionary Statements
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P261 Avoid breathing vapour/spray.
P264 Wash contaminated skin thoroughly after handling.
P302+P352 IF ON SKIN: Wash with plenty of water.
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 CENTER/doctor if you feel unwell.
P321 Specific treatment (see medical advice on this label).

P332+P313 If skin irritation occurs: Get medical advice/attention.
P337+P313 If eye irritation persists: Get medical advice/attention.
P362+P364 Take off contaminated clothing and wash it before reuse.
P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.
P391 Collect spillage.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P403+P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

H3506

hydrocarbons, C6-C7,n-alkanes, isoalkanes, cyclics, <5% n-hexane		**42.9%**
CAS number: —	EC number: 921-024-6	REACH registration number: 01-2119475514-35
Classification Flam. Liq. 2 - H225 Skin Irrit. 2 - H315 STOT SE 3 - H336 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411	**Classification (67/548/EEC or 1999/45/EC)** Xn;R65. Xi;R38. F;R11. N;R51/53. R67.	
BUTANONE		**20.0%**
CAS number: 78-93-3	EC number: 201-159-0	REACH registration number: 01-2119457290-43
Classification Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 STOT SE 3 - H336	**Classification (67/548/EEC or 1999/45/EC)** F;R11 Xi;R36 R66 R67	

ACETONE		**13.8%**
CAS number: 67-64-1	EC number: 200-662-2	REACH registration number: 01-2119471330-49
Classification Flam. Liq. 2 - H225 Acute Tox. 4 - H312 Eye Irrit. 2 - H319 STOT SE 3 - H336		**Classification (67/548/EEC or 1999/45/EC)** F;R11 Xi;R36 R66 R67
TOLUENE		**2.7%**
CAS number: 108-88-3	EC number: 203-625-9	REACH registration number: 01-2119471310-51-0051
Classification Flam. Liq. 2 - H225 Acute Tox. 4 - H302 Acute Tox. 4 - H312 Skin Irrit. 2 - H315 Repr. 2 - H361d STOT SE 3 - H336 STOT RE 2 - H373 Asp. Tox. 1 - H304		**Classification (67/548/EEC or1999/45/EC)** F;R11 Repr. Cat. 3;R63 Xn;R48/20,R65 Xi;R38 R67
HEXANE-norm		**1.1%**
CAS number: 110-54-3	EC number: 203-777-6	REACH registration number: 01-2119480412-44
Classification Flam. Liq. 2 - H225 Skin Irrit. 2 - H315 Repr. 2 - H361f STOT SE 3 - H336 STOT RE 2 - H373 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411		**Classification (67/548/EEC or 1999/45/EC)** F;R11 Repr. Cat. 3;R62 Xn;R48/20,R65 Xi;R38 R67 N;R51/53
ZINC OXIDE		**0.522%**
CAS number: 1314-13-2 M factor (Acute) = 1	EC number: 215-222-5 M factor (Chronic) = 1	
Classification Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410		**Classification (67/548/EEC or 1999/45/EC)** N;R50/53
ROSIN		**0.12%**
CAS number: 8050-09-7	EC number: 232-475-7	REACH registration number: 01-2119480418-32-0036
Classification Skin Sens. 1 - H317		**Classification (67/548/EEC or 1999/45/EC)** R43

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information Get medical attention if any discomfort continues.

Inhalation Remove affected person from source of contamination. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.

Ingestion Rinse mouth thoroughly with water. Get medical attention.

Skin contact Remove contaminated clothing immediately and wash skin with soap and water.

Eye contact Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention immediately.

Protection of first aiders First aid personnel should wear appropriate protective equipment during any rescue.

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

General information The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Inhalation Vapours may cause headache, fatigue, dizziness and nausea.

Ingestion May cause discomfort if swallowed. May cause stomach pain or vomiting.

Skin contact Prolonged skin contact may cause redness and irritation.

Eye contact May cause temporary eye irritation.

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

Notes for the doctor No specific recommendations. If in doubt, get medical attention promptly.

Specific treatments Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Use fire-extinguishing media suitable for the surrounding fire. Extinguish with alcohol-resistant
foam, carbon dioxide or dry powder.

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

Specific hazards The product is flammable. Heating may generate flammable vapours. Protection against nuisance dust must be used when the airborne concentration exceeds 10 mg/m3. The product is highly flammable.

Hazardous combustion

Products
Does not decompose when used and stored as recommended.

5.3. Advice for firefighters

Protective actions during firefighting
Control run-off water by containing and keeping it out of sewers and watercourses. Avoid breathing fire gases or vapours. Keep up-wind to avoid fumes.

Special protective equipment for firefighters

Wear chemical protective suit.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Wear protective clothing as described in Section 8 of this safety data sheet.

6.2. Environmental precautions

Environmental precautions Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body. Do not discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Absorb in vermiculite, dry sand or earth and place into containers.

6.4. Reference to other sections

Reference to other sections
Wear protective clothing as described in Section 8 of this safety data sheet. For waste disposal, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Keep away from heat, sparks and open flame. Static electricity and formation of sparks must be prevented. Good personal hygiene procedures should be implemented. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Keep away from heat, sparks and open flame. Keep container tightly closed. Keep only in the original container.
Storage class Flammable liquid storage.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

BUTANONE

Long-term exposure limit (8-hour TWA): WEL 200 ppm(Sk) 600 mg/m3(Sk)
Short-term exposure limit (15-minute): WEL 300 ppm(Sk) 899 mg/m3(Sk)

ACETONE

Long-term exposure limit (8-hour TWA): WEL 500 ppm 1210 mg/m³
Short-term exposure limit (15-minute): WEL 1500 ppm 3620 mg/m³

TOLUENE

Long-term exposure limit (8-hour TWA): WEL 50 ppm(Sk) 191 mg/m3(Sk)
Short-term exposure limit (15-minute): WEL 150 ppm(Sk) 574 mg/m3(Sk)

HEXANE-norm

Long-term exposure limit (8-hour TWA): WEL 20 ppm 72 mg/m³
Short-term exposure limit (15-minute): WEL

WEL = Workplace Exposure Limit

Ingredient comments WEL = Workplace Exposure Limits

BUTANONE (CAS: 78-93-3)

Ingredient comments WEL = Workplace Exposure Limits

ACETONE (CAS: 67-64-1)

Ingredient comments WEL = Workplace Exposure Limits

TOLUENE (CAS: 108-88-3)

DNEL Workers - Inhalation; Short term systemic effects: mg/m³

8.2. Exposure controls

Protective equipment

Appropriate engineering controls

Provide adequate general and local exhaust ventilation. Observe any occupational exposure limits for the product or ingredients.

Eye/face protection The following protection should be worn: Chemical splash goggles.

Hand protection Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. It is recommended that gloves are made of the following material: Nitrile rubber. It should be noted that liquid may penetrate the gloves. Frequent changes are recommended.

Other skin and body protection

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact. Wear apron or protective clothing in case of contact.

Hygiene measures

Use engineering controls to reduce air contamination to permissible exposure level. Provide eyewash station. Wash contaminated clothing before reuse. Wash hands after handling. Eating, smoking and water fountains prohibited in immediate work area.

Respiratory protection If ventilation is inadequate, suitable respiratory protection must be worn. Wear a respirator
fitted with the following cartridge: Combination filter, type A2/P3.

Environmental exposure 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.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance Coloured liquid.

Colour Various colours.

Odour Aromatic hydrocarbons.

Odour threshold Not available.

pH Estimated value. pH (concentrated solution): 7-8

Melting point Not available.

Initial boiling point and range >60°C @ 20

Flash point Estimated value. -35°C

Evaporation rate Not determined.

Evaporation factor Not available.

Flammability (solid, gas) Not available.

Upper/lower flammability or explosive limits

Estimated value. : 0.6% - 11.5%

Other flammability Not available.

Vapour pressure Not available.

Vapour density Not available.

Relative density 0.8 @ 20°C

Bulk density Not available.

Solubility(ies) Insoluble in water.

Partition coefficient Not available.

Auto-ignition temperature Estimated value. 200°C

Decomposition Temperature Not available.

Viscosity Kinematic viscosity > 20.5 mm^2/s.

Explosive properties Not available.

Explosive under the influence of a flame
Not considered to be explosive.

Oxidising properties Not available.

Comments Information given is applicable to the product as supplied.

9.2. Other information

Other information No information required.

Refractive index Not available.

Particle size Not available.

Molecular weight Not available.

Volatility Not available.

Saturation concentration Not available.

Critical temperature Not available.

Volatile organic compound This product contains a maximum VOC content of 600 g/l.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stability No particular stability concerns. Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions
Possibility of hazardous Reactions Not applicable. Not relevant.

10.4. Conditions to avoid

Conditions to avoid Avoid heat, flames and other sources of ignition.

10.5. Incompatible materials

Materials to avoid Strong oxidising agents.

10.6. Hazardous decomposition products

Hazardous decomposition products

Does not decompose when used and stored as recommended. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Oxides of carbon. Oxides of nitrogen.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects No information available.

Other health effects There is no evidence that the product can cause cancer.

Acute toxicity - oral

ATE oral (mg/kg) 74,074.07

Acute toxicity - dermal

ATE dermal (mg/kg) 12,121.21

Acute toxicity - inhalation

ATE inhalation (vapours mg/l) 100.0

Serious eye damage/irritation

Serious eye damage/irritation Irritation of eyes is assumed.

Respiratory sensitisation

Respiratory sensitisation Not determined.

Skin sensitisation

Skin sensitisation Not determined.

Carcinogenicity

Carcinogenicity Data lacking.

Target organ for Carcinogenicity Not relevant.

Reproductive toxicity

Reproductive toxicity - fertility Not available.

Reproductive toxicity - development

This substance has no evidence of toxicity to reproduction.

Aspiration hazard

Aspiration hazard
Not anticipated to present an aspiration hazard, based on chemical structure.

General information No specific health hazards known.

Inhalation Vapour from this product may be hazardous by inhalation.

Ingestion May be harmful if swallowed.

Skin contact May be harmful in contact with skin.

Eye contact May cause blurred vision and serious eye damage.

SECTION 12: Ecological Information

12.1. Toxicity

Acute toxicity - fish Supplier's information.
LC_0, hours: >1-10< mg/l, Fish

Acute toxicity - aquatic plants , hours: >1-10 mg/l, Algae

12.2. Persistence and degradability

12.3. Bioaccumulative potential

Partition coefficient Not available.

12.4. Mobility in soil

Mobility The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB
Assessment This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

Other adverse effects None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information Waste should be treated as controlled waste. Dispose of waste to licensed waste disposal site
in accordance with the requirements of the local Waste Disposal Authority.

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID) 1133

UN No. (IMDG) 1133

UN No. (ICAO) 1133

14.2. UN proper shipping name

Proper shipping name
(ADR/RID) ADHESIVES (hydrocarbons, C6-C7,n-alkanes, isoalkanes, cyclics, <5% n-hexane)

Proper shipping name
(IMDG) ADHESIVES (hydrocarbons, C6-C7,n-alkanes, isoalkanes, cyclics, <5% n-hexane)

Proper shipping name (ICAO) ADHESIVES (hydrocarbons, C6-C7,n-alkanes, isoalkanes, cyclics, <5% n-hexane)

Proper shipping name (ADN) ADHESIVES (hydrocarbons, C6-C7,n-alkanes, isoalkanes, cyclics, <5% n-hexane)

14.3. Transport hazard class(es)

ADR/RID class 3
ADR/RID subsidiary risk
ADR/RID label 3
IMDG class 3
IMDG subsidiary risk

ICAO class/division 3

ICAO subsidiary risk

Transport labels

14.4. Packing group

ADR/RID packing group II
IMDG packing group II
ICAO packing group II

14.5. Environmental hazards
Environmentally hazardous substance/marine pollutant

14.6. Special precautions for user

EmS F-E, S-D

Emergency Action Code •3YE

Hazard Identification Number
(ADR/RID) 33

Tunnel restriction code (D/E)

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

SECTION 15: Regulatory information

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

National regulations Health and Safety at Work etc. Act 1974 (as amended).
The Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No. 2677) (as amended).
The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).
Control of Substances Hazardous to Health Regulations 2002 (as amended).
EU legislation Commission Directive 91/322/EEC of 29 May 1991 on establishing indicative limit values by implementing Council Directive 80/1107/EEC on the protection of workers from the risks related to exposure to chemical, physical and biological agents at work.
Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Issued by Compliance

Revision date 20/07/2015

Revision 21

Risk phrases in full

R11 Highly flammable.
R36 Irritating to eyes.
R36/38 Irritating to eyes and skin.
R38 Irritating to skin.
R43 May cause sensitisation by skin contact.
R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R62 Possible risk of impaired fertility.
R63 Possible risk of harm to the unborn child.
R65 Harmful: may cause lung damage if swallowed.
R66 Repeated exposure may cause skin dryness or cracking.
R67 Vapours may cause drowsiness and dizziness.

Hazard statements in full
H225 Highly flammable liquid and vapour.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H361d Suspected of damaging the unborn child.
H361f Suspected of damaging fertility.
H373 May cause damage to organs through prolonged or repeated exposure.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H411 Toxic to aquatic life with long lasting effects.
EUH208 Contains ROSIN. May produce an allergic reaction.
Store Between
Store Between 5'c - 25'c

Contains SVHC

NO