SAFETY DATA SHEET
93 DIP ADHESIVE

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

1.1. Product identifier

Product name 93 DIP ADHESIVE

Product number C0094

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

Identified uses Adhesive.

1.3. Details of the supplier of the safety data sheet

Supplier

Caswell and Company Limited
6 Princewood Road
Earlstrees Industrial Estate
Corby, Northants NN17 4AP
+44 (0) 1536 464800
+44 (0) 1536 464801
info@caswell-adhesives.co.uk

caswell

1.4. Emergency telephone number

Emergency telephone In case of emergency telephone: +44 (0)1536 464800. Office hours: Mon - Thur 9am - 5pm, Fri 9am - 2pm

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Flam. Liq. 2 - H225

Health hazards Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Repr. 2 - H361d STOT SE 3 - H336 STOT RE 2 - H373

Environmental hazards Aquatic Chronic 3 - H412

2.2. Label elements

Pictogram

Signal word Danger

93 DIP ADHESIVE

Hazard statements

H225 Highly flammable liquid and vapour.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H361d Suspected of damaging the unborn child.
H373 May cause damage to organs through prolonged or repeated exposure.
H412 Harmful 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.
P273 Avoid release to the environment.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
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.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P313 Get medical advice/ attention.

Contains

BUTANONE, TOLUENE, HEPTANE, HEXANE MIXTURE OF ISOMERS (MAX 5% n-HEXANE (203-777-6)), METHYLCYCLOHEXANE

Supplementary precautionary statements

P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P260 Do not breathe vapour/ spray.
P264 Wash contaminated skin thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
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.
P501 Dispose of contents/ container in accordance with national regulations.

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

BUTANONE **30-60%**

CAS number: 78-93-3 EC number: 201-159-0

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

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TOLUENE **10-30%**

CAS number: 108-88-3 EC number: 203-625-9

Classification
Flam. Liq. 2 - H225
Skin Irrit. 2 - H315
Repr. 2 - H361d
STOT SE 3 - H336
STOT RE 2 - H373
Asp. Tox. 1 - H304

Classification (67/548/EEC or 1999/45/EC)
F;R11 Repr. Cat. 3;R63 Xn;R48/20,R65 Xi;R38 R67

HEPTANE **1-10%**

CAS number: 142-82-5 EC number: 205-563-8

M factor (Acute) = 1

Classification
Flam. Liq. 2 - H225
Skin Irrit. 2 - H315
STOT SE 3 - H336
Asp. Tox. 1 - H304
Aquatic Acute 1 - H400
Aquatic Chronic 1 - H410

Classification (67/548/EEC or 1999/45/EC)
F;R11 Xn;R65 Xi;R38 R67 N;R50/53

HEXANE MIXTURE OF ISOMERS (MAX 5% n-HEXANE (203-777-6)) **1-10%**

CAS number: EC number:

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)
F;R11 Xn;R65 Xi;R38 R67 N;R51/53

XYLENE **1-5%**

CAS number: 1330-20-7 EC number: 215-535-7

Classification
Flam. Liq. 3 - H226
Acute Tox. 4 - H312
Acute Tox. 4 - H332
Skin Irrit. 2 - H315
Eye Irrit. 2 - H319
STOT SE 3 - H335

Classification (67/548/EEC or 1999/45/EC)
R10 Xn;R20/21 Xi;R38

93 DIP ADHESIVE

METHYLCYCLOHEXANE **1-5%**

CAS number: 108-87-2 EC number: 203-624-3

Classification	Classification (67/548/EEC or 1999/45/EC)
Flam. Liq. 2 - H225 Skin Irrit. 2 - H315 STOT SE 3 - H336 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411	F;R11 Xn;R65 Xi;R38 R67 N;R51/53

ROSIN **<0.5%**

CAS number: 8050-09-7 EC number: 232-475-7

Classification	Classification (67/548/EEC or 1999/45/EC)
Skin Sens. 1 - H317	R43

PENTANE **<0.5%**

CAS number: 109-66-0 EC number: 203-692-4

Classification	Classification (67/548/EEC or 1999/45/EC)
Flam. Liq. 2 - H225 STOT SE 3 - H336 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411	F+;R12 Xn;R65 R66 R67 N;R51/53

HEXANE-norm **<0.5%**

CAS number: 110-54-3 EC number: 203-777-6

Classification	Classification (67/548/EEC or 1999/45/EC)
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	F;R11 Repr. Cat. 3;R62 Xn;R48/20,R65 Xi;R38 R67 N;R51/53

ZINC OXIDE **<0.5%**

CAS number: 1314-13-2 EC number: 215-222-5

M factor (Acute) = 1 M factor (Chronic) = 1

Classification	Classification (67/548/EEC or 1999/45/EC)
Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	N;R50/53

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

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Inhalation	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Keep affected person under observation. Get medical attention. Show this Safety Data Sheet to the medical personnel.
Ingestion	Get medical attention immediately. Do not induce vomiting.
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 if irritation persists after washing. Show this Safety Data Sheet to the medical personnel.

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

General information	Treat symptomatically. The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	Vapours may cause drowsiness and dizziness.
Ingestion	May cause discomfort if swallowed.
Skin contact	May cause an allergic skin reaction.
Eye contact	Causes serious eye irritation.

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

Notes for the doctor	Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	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 highly flammable. Solvent vapours may form explosive mixtures with air.

5.3. Advice for firefighters

Protective actions during firefighting	Avoid breathing fire gases or vapours. Containers close to fire should be removed or cooled with water.
Special protective equipment for firefighters	Wear chemical protective suit. Use air-supplied respirator, gloves and protective goggles.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	No smoking, sparks, flames or other sources of ignition near spillage. Take precautionary measures against static discharges. Do not breathe vapour. Ensure suitable respiratory protection is worn during removal of spillages in confined areas.

6.2. Environmental precautions

Environmental precautions	Do not discharge into drains or watercourses or onto the ground. Avoid the spillage or runoff entering drains, sewers or watercourses.

6.3. Methods and material for containment and cleaning up

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Methods for cleaning up Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Absorb spillage with non-combustible, absorbent material. Collect and place in suitable waste disposal containers and seal securely.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8. See Section 11 for additional information on health hazards. 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. Eliminate all sources of ignition. Static electricity and formation of sparks must be prevented. Wear suitable protective equipment for prolonged exposure and/or high concentrations of vapours, spray or mist. Avoid eating, drinking and smoking when using the product. Good personal hygiene procedures should be implemented. Avoid inhalation of vapours and spray/mists. Provide adequate ventilation. Use approved respirator if air contamination is above an acceptable level. In use may form flammable/explosive vapour-air mixture.

Advice on general occupational hygiene Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Keep away from heat, sparks and open flame. Keep separate from food, feedstuffs, fertilisers and other sensitive material. Store in closed original container at temperatures between 5°C and 25°C.

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 600 mg/m³
Short-term exposure limit (15-minute): WEL 300 ppm 899 mg/m³
Sk

TOLUENE

Long-term exposure limit (8-hour TWA): WEL 50 ppm 191 mg/m³
Short-term exposure limit (15-minute): WEL 100 ppm 384 mg/m³
Sk

HEPTANE

Long-term exposure limit (8-hour TWA): WEL 500 ppm
Short-term exposure limit (15-minute): WEL

XYLENE

Long-term exposure limit (8-hour TWA): WEL 50 ppm(Sk) 220 mg/m3(Sk)
Short-term exposure limit (15-minute): WEL 100 ppm(Sk) 441 mg/m3(Sk)

PENTANE

93 DIP ADHESIVE

Long-term exposure limit (8-hour TWA): WEL 600 ppm 1800 mg/m³
Short-term exposure limit (15-minute): WEL
WEL = Workplace Exposure Limit
Sk = Can be absorbed through the skin.

Ingredient comments WEL = Workplace Exposure Limits

BUTANONE (CAS: 78-93-3)

Ingredient comments WEL = Workplace Exposure Limits

DNEL
Consumer - Oral; Long term systemic effects: 31 mg/kg/day
Consumer - Dermal; Long term systemic effects: 412 mg/kg/day
Workers - Dermal; Long term systemic effects: 1161 mg/kg/day
Consumer - Inhalation; Long term systemic effects: 106 mg/m³
Workers - Inhalation; Long term systemic effects: 600 mg/m³

PNEC
- Fresh water; 55.8 mg/l
- Sediment (Freshwater); 284.7 mg/kg
- Intermittent release; 55.8 mg/l
- Sediment (Marinewater); 284.7 mg/l
- STP; 709 mg/l
- Soil; 22.5 mg/kg
- Marine water; 55.8 mg/l

TOLUENE (CAS: 108-88-3)

DNEL
Consumer - Inhalation; Short term local effects: 226 mg/m³
Consumer - Inhalation; Short term systemic effects: 226 mg/m³
Workers - Inhalation; Short term systemic effects: 384 mg/m³
Workers - Inhalation; Short term local effects: 384 mg/m³
Workers - Inhalation; Long term local effects: 192 mg/m³
Consumer - Inhalation; Long term systemic effects: 56.5 mg/m³
Workers - Inhalation; Long term systemic effects: 192 mg/m³

PNEC
- Fresh water; 0.68 mg/l
- Sediment (Freshwater); 16.39 mg/kg
- STP; 13.61 mg/l
- Soil; 2.89 mg/kg

HEPTANE (CAS: 142-82-5)

DNEL
Workers - Dermal; Long term systemic effects: 300 mg/kg/day
Workers - Inhalation; Long term systemic effects: 2085 mg/m³
General population - Dermal; Long term systemic effects: 149 mg/kg/day
General population - Inhalation; Long term systemic effects: 447 mg/m³
General population - Oral; Long term systemic effects: 149 mg/kg/day

XYLENE (CAS: 1330-20-7)

93 DIP ADHESIVE

DNEL	Consumer - Dermal; Long term systemic effects: 108 mg/kg/day Industry - Dermal; Long term systemic effects: 180 mg/kg/day Consumer - Inhalation; Short term local effects: 174 mg/m³ Consumer - Inhalation; Short term systemic effects: 174 mg/m³ Industry - Inhalation; Short term systemic effects: 289 mg/m³ Industry - Inhalation; Short term local effects: 289 mg/m³ Consumer - Inhalation; Long term systemic effects: 14.8 mg/m³ Industry - Inhalation; Long term systemic effects: 77 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.
Personal protection	Always check applicability with your supplier of protective equipment.
Eye/face protection	Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Wear tight-fitting, chemical splash goggles or face shield.
Hand protection	Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.
Other skin and body protection	Wear apron or protective clothing in case of contact.
Hygiene measures	Use engineering controls to reduce air contamination to permissible exposure level.
Respiratory protection	If ventilation is inadequate, suitable respiratory protection must be worn.
Environmental exposure controls	Keep container tightly sealed when not in use. Residues and empty containers should be taken care of as hazardous waste according to local and national provisions.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Coloured liquid.
Colour	Light (or pale).
Odour	Organic solvents.
Odour threshold	Not determined.
pH	Not applicable.
Melting point	Not applicable.
Initial boiling point and range	55°C @
Flash point	-19°C
Evaporation rate	Not determined.
Evaporation factor	Not determined.
Flammability (solid, gas)	Not determined.
Upper/lower flammability or explosive limits	Lower flammable/explosive limit: Upper flammable/explosive limit:

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Other flammability	Not determined.
Vapour pressure	Not determined.
Vapour density	Not determined.
Relative density	@ °C
Bulk density	Not determined.
Solubility(ies)	Insoluble in water.
Partition coefficient	Not determined.
Auto-ignition temperature	°C
Decomposition Temperature	Not determined.
Viscosity	35 cP @ 20°C
Explosive properties	Not determined.
Comments	Information declared as "Not available" or "Not applicable" is not considered to be relevant to the implementation of the proper control measures.

9.2. Other information

Refractive index	Not determined.
Particle size	Not determined.
Molecular weight	Not determined.
Volatility	«184»
Saturation concentration	Not determined.
Critical temperature	Not determined.
Volatile organic compound	Not determined.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity No hazardous reactions if stored and handled as prescribed.

10.2. Chemical stability

Stability Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Will not polymerise.

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 Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

SECTION 11: Toxicological information

93 DIP ADHESIVE

11.1. Information on toxicological effects

Acute toxicity - oral

Notes (oral LD_{50})	No specific test data are available.

Acute toxicity - dermal

Notes (dermal LD_{50})	No specific test data are available.
ATE dermal (mg/kg)	23,605.15

Acute toxicity - inhalation

Notes (inhalation LC_{50})	No specific test data are available.
ATE inhalation (gases ppm)	96,566.52
ATE inhalation (vapours mg/l)	236.05
ATE inhalation (dusts/mists mg/l)	32.19

Skin corrosion/irritation

Skin corrosion/irritation	Skin irritation., Prolonged or repeated contact with skin may cause irritation, redness and dermatitis.

Serious eye damage/irritation

Serious eye damage/irritation	Irritating to eyes

Respiratory sensitisation

Respiratory sensitisation	No specific test data are available.

Skin sensitisation

Skin sensitisation	Sensitising.

Germ cell mutagenicity

Genotoxicity - in vitro	No specific test data are available.

Carcinogenicity

Carcinogenicity	No specific test data are available.

Reproductive toxicity

Reproductive toxicity - fertility	No specific test data are available.

Specific target organ toxicity - single exposure

STOT - single exposure	No specific test data are available.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure	May cause damage to organs through prolonged or repeated exposure.

General information	Extensive use of the product in areas with inadequate ventilation may result in the accumulation of hazardous vapour concentrations.
Inhalation	Vapours may cause drowsiness and dizziness.
Ingestion	May cause discomfort if swallowed.
Skin contact	May cause an allergic skin reaction.
Eye contact	Causes serious eye irritation.

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Acute and chronic health hazards	Solvent vapours are hazardous and may cause nausea, sickness and headaches. Frequent inhalation of vapours may cause respiratory allergy. Mild dermatitis, allergic skin rash. This product may cause skin and eye irritation. Suspected of damaging the unborn child. May cause damage to organs through prolonged or repeated exposure.
Route of entry	Inhalation Skin and/or eye contact
Medical symptoms	Allergic rash. Asthma, pulmonary sensitisation. Coughing.
Medical considerations	Allergies. Chronic respiratory and obstructive airway diseases.

BUTANONE

Acute toxicity - oral

Notes (oral LD_{50})	LD_{50} >2000 mg/kg, Oral, Rat

Acute toxicity - dermal

Notes (dermal LD_{50})	LD_{50} >2000 mg/kg, Dermal, Rabbit

Inhalation	Vapours may irritate throat/respiratory system. Symptoms following overexposure may include the following: Headache. Dizziness. Drowsiness. Prolonged inhalation of high concentrations may damage respiratory system.
Ingestion	May cause nausea, headache, dizziness and intoxication. Ingestion of large amounts may cause unconsciousness.
Skin contact	May be absorbed through the skin. Product has a defatting effect on skin. Irritating to skin.
Eye contact	Severe irritation, burning and tearing.

TOLUENE

Acute toxicity - oral

Notes (oral LD_{50})	LD_{50} >5000 mg/kg, Oral, Rat

Acute toxicity - dermal

Notes (dermal LD_{50})	LD_{50} >5000 mg/kg, Dermal, Rabbit

Acute toxicity - inhalation

Notes (inhalation LC_{50})	LC50/4h >20 mg/l, Inhalation, Rat

Serious eye damage/irritation

Serious eye damage/irritation	Irritating to eyes

Respiratory sensitisation

Respiratory sensitisation	Not known.

Skin sensitisation

Skin sensitisation	Not known.

Carcinogenicity

IARC carcinogenicity	IARC Group 3 Not classifiable as to its carcinogenicity to humans.

Reproductive toxicity

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Reproductive toxicity - development	Suspected of damaging the unborn child

HEPTANE

Germ cell mutagenicity

Genotoxicity - in vitro	Bacterial reverse mutation test: Negative.

XYLENE

Acute toxicity - oral

Notes (oral LD_{50})	LD_{50} 4300 mg/kg, Oral, Rat

Acute toxicity - dermal

Notes (dermal LD_{50})	LD_{50} >17000 mg/kg, Dermal, Rabbit

Acute toxicity - inhalation

Notes (inhalation LC_{50})	LD_{50} 5000 ppm, Inhalation, Rat
ATE inhalation (gases ppm)	4,500.0
ATE inhalation (vapours mg/l)	11.0
ATE inhalation (dusts/mists mg/l)	1.5

SECTION 12: Ecological Information

Ecotoxicity	Harmful to aquatic life with long lasting effects.

12.1. Toxicity

Acute toxicity - fish	Not determined.
Acute toxicity - aquatic invertebrates	Not determined.
Acute toxicity - aquatic plants	Not determined.
Acute toxicity - microorganisms	Not determined.
Acute toxicity - terrestrial	Not determined.

BUTANONE

Acute toxicity - fish	LC_{50}, 48 hours: >100 mg/l, Leuciscus idus (Golden orfe)
Acute toxicity - aquatic invertebrates	EC_{50}, 48 hours: >100 mg/l, Daphnia magna

TOLUENE

Acute toxicity - fish	LC_{50}, : >1 - <10 mg/l, Algae LC_{50}, 96 hours: 13 mg/l, Carassius auratus (Goldfish)
Acute toxicity - aquatic invertebrates	EC_{50}, 48 hours: 11.5 mg/l, Daphnia magna

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Acute toxicity - aquatic plants	IC_{50}, 72 hours: 12 mg/l, Selenastrum capricornutum, Pseudokirchneriella subcapitata
Chronic toxicity - fish early life stage	NOEC, 28 days: >1 - <10 mg/l, Algae

HEPTANE

Acute aquatic toxicity

LE(C)$_{50}$	0.1 < L(E)C50 ≤ 1
M factor (Acute)	1
Acute toxicity - fish	LC_{50}, 96 hours: 220 - 270 mg/l, Leuciscus idus (Golden orfe) OECD Guideline 203 (Fish, Acute Toxicity Test)
Acute toxicity - aquatic invertebrates	EC_{50}, 48 hours: 1.5 mg/l, Daphnia magna OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)

Chronic aquatic toxicity

NOEC	0.01 < NOEC ≤ 0.1
Degradability	Rapidly degradable

XYLENE

Acute toxicity - fish	LC_{50}, 96 hours: 11.9-25.1 mg/l, Onchorhynchus mykiss (Rainbow trout)
Acute toxicity - aquatic invertebrates	LC_{50}, 24 hours: 100-1000 mg/l, Daphnia magna

12.2. Persistence and degradability

Persistence and degradability	No data available.
Phototransformation	Not determined.
Stability (hydrolysis)	Not determined.
Biodegradation	Not determined.
Biological oxygen demand	Not determined.
Chemical oxygen demand	Not determined.

BUTANONE

Persistence and degradability	The product is readily biodegradable.

TOLUENE

Persistence and degradability	The product is readily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential	The product does not contain any substances expected to be bioaccumulating.
Partition coefficient	Not determined.

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BUTANONE

Bioaccumulative potential The product is not bioaccumulating.

Partition coefficient log Pow: 0.29

HEPTANE

Bioaccumulative potential log Kow: 4.66, OECD Guideline 107 (Partition Coefficient (n-octanol / water), Shake Flask Method)

12.4. Mobility in soil

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

Adsorption/desorption coefficient No specific test data are available.

Henry's law constant No specific test data are available.

Surface tension No specific test data are available.

BUTANONE

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

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment No data available

BUTANONE

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.

TOLUENE

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.

HEPTANE

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.

XYLENE

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.

12.6. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information Waste should be treated as controlled waste.

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

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID)	1133
UN No. (IMDG)	1133
UN No. (ICAO)	1133
UN No. (ADN)	1133

14.2. UN proper shipping name

Proper shipping name (ADR/RID)	ADHESIVES
Proper shipping name (IMDG)	ADHESIVES
Proper shipping name (ICAO)	ADHESIVES
Proper shipping name (ADN)	ADHESIVES

14.3. Transport hazard class(es)

ADR/RID class	3
ADR/RID classification code	F1
ADR/RID label	3
IMDG class	3
ICAO class/division	3
ADN class	3

Transport labels

14.4. Packing group

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

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

EmS	F-E, S-D
ADR transport category	2

93 DIP ADHESIVE

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 MARPOL and the IBC Code

SECTION 15: Regulatory information

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

National regulations	Control of Substances Hazardous to Health Regulations 2002 (as amended).
EU legislation	Dangerous Preparations Directive 1999/45/EC.
Guidance	Workplace Exposure Limits EH40. Safety Data Sheets for Substances and Preparations.
Authorisations (Title VII Regulation 1907/2006)	No specific authorisations are known for this product.
Restrictions (Title VIII Regulation 1907/2006)	No specific restrictions on use are known for this product.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Key literature references and sources for data	Health and Safety Executive Guidance Note EH40 (ammended annually). Workplace exposure limits.
Revision comments	SDS Updated
Revision date	13/11/2017
Revision	13
Supersedes date	22/06/2015
SDS number	10642
SDS status	Approved.

93 DIP ADHESIVE

Risk phrases in full

R10 Flammable.
R11 Highly flammable.
R12 Extremely flammable.
R20/21 Harmful by inhalation and in contact with skin.
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.
H226 Flammable liquid and vapour.
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.
H332 Harmful if inhaled.
H335 May cause respiratory 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.
H412 Harmful to aquatic life with long lasting effects.
EUH208 Contains ROSIN. May produce an allergic reaction.