SAFETY DATA SHEET
SATREAT PRIMER

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

1.1. Product identifier
Product name
SATREAT PRIMER
Product number
C0199

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

1.3. Details of the supplier of the safety data sheet
Supplier
Caswell and Company Ltd
6 Princewood Road
Earlstrees Industrial Estate
Corby, Northants NN17 4AP
+44 (0) 1536 464800
+44 (0) 1536 464801
info@caswell-adhesives.co.uk

Contact person
IN CASE OF EMERGENCY TELEPHONE: 01536 464800. OFFICE HOURS: MON - THUR 9 AM - 5 PM, FRI 9 AM - 2 PM

1.4. Emergency telephone number
Emergency telephone
IN CASE OF EMERGENCY TELEPHONE: 01536 464800. OFFICE HOURS: MON - THUR 9 AM - 5 PM, FRI 9 AM - 2 PM

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification
Physical hazards
Flam. Liq. 2 - H225

Health hazards
Eye Irrit. 2 - H319 STOT SE 3 - H336

Environmental hazards
Aquatic Chronic 3 - H412

Classification (67/548/EEC or 1999/45/EC)

Human health
Corrosive to skin and eyes.

Physicochemical
The product is highly flammable. Vapours may form explosive mixtures with air.
SATREAT PRIMER

2.2. Label elements

Pictogram

Signal word: Danger

Hazard statements
- H225 Highly flammable liquid and vapour.
- H319 Causes serious eye irritation.
- H336 May cause drowsiness or dizziness.
- H412 Harmful to aquatic life with long lasting effects.

Precautionary statements
- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P261 Avoid breathing vapour/spray.
- P264 Wash contaminated skin thoroughly after handling.
- P273 Avoid release to the environment.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P403+P235 Store in a well-ventilated place. Keep cool.

Contains: ETHYL ACETATE

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.
- P271 Use only outdoors or in a well-ventilated area.
- 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.
- P312 Call a POISON CENTER/doctor if you feel unwell.
- P337+P313 If eye irritation persists: Get medical advice/attention.
- P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.
- P403+P233 Store in a well-ventilated place. Keep container tightly closed.
- P405 Store locked up.
- P501 Dispose of contents/container in accordance with national regulations.

2.3. Other hazards

No further information on other hazards available
SECTION 3: Composition/information on ingredients

3.2. Mixtures

<table>
<thead>
<tr>
<th>ETHYL ACETATE</th>
<th>60-100%</th>
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<tr>
<td>CAS number: 141-78-6</td>
<td>EC number: 205-500-4</td>
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<tr>
<td>Classification</td>
<td>Classification (67/548/EEC or 1999/45/EC)</td>
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<tr>
<td>Flam. Liq. 2 - H225</td>
<td>F;R11 Xi;R36 R66 R67</td>
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<tr>
<td>Eye Irrit. 2 - H319</td>
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<td>STOT SE 3 - H336</td>
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<table>
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<tr>
<th>TRICHLOROISOCYANURIC ACID</th>
<th>1-5%</th>
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<tr>
<td>CAS number: 87-90-1</td>
<td>EC number: 201-782-8</td>
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<tr>
<td>M factor (Acute) = 1</td>
<td>M factor (Chronic) = 1</td>
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<td>Classification (67/548/EEC or 1999/45/EC)</td>
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<td>Ox. Sol. 2 - H272</td>
<td>O;R8 Xn;R22 Xi;R36/37 R31 N;R50/53</td>
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<td>Acute Tox. 4 - H302</td>
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<td>Eye Irrit. 2 - H319</td>
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<td>STOT SE 3 - H335</td>
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<td>Aquatic Acute 1 - H400</td>
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<tr>
<td>Aquatic Chronic 1 - H410</td>
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</table>

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**
Treat symptomatically.

**Inhalation**
Move affected person to fresh air at once. Place unconscious person on their side in the recovery position and ensure breathing can take place. If breathing stops, provide artificial respiration. Get medical attention.

**Ingestion**
Get medical attention immediately. Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention. Show this Safety Data Sheet to the medical personnel. Do not induce vomiting.

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

**Eye contact**
May cause permanent damage if eye is not immediately irrigated. 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.

**Inhalation**
Dizziness.

**Ingestion**
May cause discomfort if swallowed.

**Skin contact**
Repeated exposure may cause skin dryness or cracking.

**Eye contact**
May cause serious eye damage.
SATRETRT PRIMER

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 foam, carbon dioxide or dry powder. Do not use water, if avoidable.

5.2. Special hazards arising from the substance or mixture

Specific hazards: The product is flammable. Heating may generate flammable vapours. Corrosive gases or vapours.

Hazardous combustion products: Irritating gases or vapours.

5.3. Advice for firefighters

Protective actions during firefighting: Avoid breathing fire gases or vapours. Thermal decomposition or combustion products may include the following substances: Toxic and corrosive gases or vapours. Be aware of danger of explosion.

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: No smoking, sparks, flames or other sources of ignition near spillage. Ensure suitable respiratory protection is worn during removal of spillages in confined areas. Avoid contact with skin, eyes and clothing.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or watercourses or onto the ground. Inform the relevant authorities if environmental pollution occurs (sewers, waterways, soil or air).

6.3. Methods and material for containment and cleaning up

Methods for cleaning up: Stop leak if possible without risk. DO NOT touch spilled material! 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: For personal protection, see Section 8. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions: Avoid contact with skin, eyes and clothing. Avoid inhalation of vapours. Avoid spilling. Eliminate all sources of ignition. Static electricity and formation of sparks must be prevented. Eye wash facilities and emergency shower must be available when handling this product. Do not eat, drink or smoke when using the product. Provide adequate ventilation. Use approved respirator if air contamination is above an acceptable level. Dry satreat residues and powder constituent will liberate free chlorine on contact with water and may cause fire on contact with combustible material. The primer will also corrode metal.

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

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions
Keep container tightly closed. Keep separate from food, feedstuffs, fertilisers and other sensitive material. Do not store for long periods. Store in closed original container at temperatures between 5°C and 25°C. Keep container dry.

Storage class
Flammable liquid storage. Water-reactive 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

ETHYL ACETATE
Long-term exposure limit (8-hour TWA): WEL 200 ppm
Short-term exposure limit (15-minute): WEL 400 ppm

TRICHLOROISOCYANURIC ACID
Short-term exposure limit (15-minute): WEL 0.5 ppm
Short-term exposure limit (15-minute): WEL 1.5 mg/m³

WEL = Workplace Exposure Limit

Ingredient comments
WEL = Workplace Exposure Limits

ETHYL ACETATE (CAS: 141-78-6)

DNEL
Consumer - Oral; Long term systemic effects: 4.5 mg/kg
Consumer - Dermal; Long term systemic effects: 37 mg/kg
Workers - Dermal; Long term systemic effects: 63 mg/kg
Consumer - Inhalation; Short term local effects: 734 mg/m³
Consumer - Inhalation; Short term systemic effects: 734 mg/m³
Workers - Inhalation; Short term systemic effects: 1468 mg/m³
Workers - Inhalation; Short term local effects: 1468 mg/m³
Consumer - Inhalation; Long term local effects: 367 mg/m³
Workers - Inhalation; Long term local effects: 734 mg/m³
Consumer - Inhalation; Long term systemic effects: 367 mg/m³
Workers - Inhalation; Long term systemic effects: 734 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
Wear 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.
SATREAT PRIMER

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. Provide eyewash station.

Respiratory protection
If ventilation is inadequate, suitable respiratory protection must be worn.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance
Clear liquid.

Colour
Colourless.

Odour
Chlorine or Fruity.

Odour threshold
Not determined.

pH
Not determined.

Melting point
approx -84°C

Initial boiling point and range
77°C @

Flash point
-4°C

Evaporation rate
Not determined.

Evaporation factor
Not determined.

Flammability (solid, gas)
Not applicable.

Upper/lower flammability or explosive limits
Lower flammable/explosive limit: 2 -2.2 Vol % Upper flammable/explosive limit: 11.5 Vol %

Other flammability
Not determined.

Vapour pressure
98 hPa @ 20°C

Vapour density
Not determined.

Relative density
0.9g/ml @ °C

Bulk density
Not determined.

Solubility(ies)
Decomposes in water.

Partition coefficient
Not determined.

Auto-ignition temperature
427°C

Decomposition Temperature
Not determined.

Viscosity
50cps @ °C

Explosive properties
Product is not explosive, however, formation of explosive air/vapour mixtures are possible

9.2. Other information
No further relevant information available

SECTION 10: Stability and reactivity

10.1. Reactivity
Reactivity
No hazardous reactions if stored and handled as prescribed.
SATREAT PRIMER

10.2. Chemical stability
Stability  Stable when stored in a dry place. Avoid the following conditions: Heat, sparks, flames. Moisture. Mixing with any other material.

10.3. Possibility of hazardous reactions
Possibility of hazardous reactions  Contact with water liberates toxic gas.

10.4. Conditions to avoid
Conditions to avoid  Avoid contact with water.

10.5. Incompatible materials
Materials to avoid  Water, steam, water mixtures. Water-reactive materials.

10.6. Hazardous decomposition products
Hazardous decomposition products  When heated, vapours/gases hazardous to health may be formed.

SECTION 11: Toxicological information

11.1. Information on toxicological effects
Toxicological effects  Toxicological studies on the product are not available. Please find below any toxicological data available to us for the hazardous components.

Acute toxicity - oral
ATE oral (mg/kg)  22,522.52

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

Ingestion  May cause severe internal injury. Corrosive. Small amounts may cause serious damage. May cause chemical burns in mouth, oesophagus and stomach.

Skin contact  Product has a defatting effect on skin. Corrosive. Prolonged contact causes serious tissue damage.

Eye contact  Immediate first aid is imperative. May cause serious eye damage.

Toxicological information on ingredients.

ETHYL ACETATE

Acute toxicity - oral
Acute toxicity oral (LD₅₀ mg/kg)  4,100.0
Species  Mouse
ATE oral (mg/kg)  4,100.0

Acute toxicity - dermal
Acute toxicity dermal (LD₅₀ mg/kg)  2,001.0
Species  Rabbit

Acute toxicity - inhalation
SATREAT PRIMER

Acute toxicity inhalation (LC₅₀ vapours mg/l) 30.0
Species Rat
ATE inhalation (vapours mg/l) 30.0
Skin corrosion/irritation
Animal data Not irritating.

Serious eye damage/irritation
Serious eye damage/irritation Irritating to eyes
Respiratory sensitisation
Respiratory sensitisation Not sensitising.

TRICHLOROISOCYANURIC ACID

Acute toxicity - oral
Notes (oral LD₅₀) LD₅₀ 1000 mg/kg, Oral, Rat
Skin corrosion/irritation
Animal data Irritating, rabbit
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 No specific test data are available.
Carcinogenicity
Carcinogenicity There is no evidence that the product can cause cancer.

SECTION 12: Ecological Information

Ecotoxicity
The product may affect the acidity (pH) of water which may have hazardous effects on aquatic organisms. Ecotoxicological studies are not available for the product. Do not allow to escape into waterways, wastewater or soil. Please find below the ecotoxicological data available to us for the components.

12.1. Toxicity

Ecological information on ingredients.

ETHYL ACETATE

Acute toxicity - fish NOEC, 32 days: >9.65 mg/l, Fish 
LC₅₀, 96 hours: 230 mg/l,
SATREAT PRIMER

Acute toxicity - aquatic invertebrates
EC₅₀, 48 hours: 610 mg/l, Daphnia magna
NOEC, 21 days: 2.4 mg/l, Daphnia magna

Acute toxicity - aquatic plants
EC₅₀, 48 hours: 5600 mg/l, Algae

TRICHLOROISOCYANURIC ACID

Toxicity
Toxic to aquatic life with long lasting effects.

Acute aquatic toxicity

LE(C)ₑₑ 0.1 < L(E)C₅₀ ≤ 1
M factor (Acute) 1

Acute toxicity - fish
LC₅₀, 96 hours: 0.08 mg/l, Onchorhynchus mykiss (Rainbow trout)

Acute toxicity - aquatic invertebrates
EC₅₀, 48 hours: 0.17 mg/l, Daphnia magna

Chronic aquatic toxicity

NOEC 0.01 < NOEC ≤ 0.1

Degradability
Non-rapidly degradable

M factor (Chronic) 1

12.2. Persistence and degradability

Persistence and degradability
The degradability of the product is not known.

Ecological information on ingredients.

ETHYL ACETATE

Persistence and degradability
The product is readily biodegradable. No data available.

TRICHLOROISOCYANURIC ACID

Persistance and degradability
No data available.

12.3. Bioaccumulative potential

Partition coefficient
Not determined.

Ecological information on ingredients.

ETHYL ACETATE

Bioaccumulative potential
BCF: 30, Leuciscus idus (Golden orfe)

Partition coefficient
log Pow: 4.8

TRICHLOROISOCYANURIC ACID

Bioaccumulative potential
No data available on bioaccumulation.
SATREAT PRIMER

Partition coefficient Not known.

12.4. Mobility in soil

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

Ecological information on ingredients.

TRICHLOROISOCYANURIC ACID

Mobility The product is soluble in water.

12.5. Results of PBT and vPvB assessment

Ecological information on ingredients.

ETHYL ACETATE

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

TRICHLOROISOCYANURIC ACID

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. 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.

Waste class Hazardous waste

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID) 1993
UN No. (IMDG) 1993
UN No. (ICAO) 1993

14.2. UN proper shipping name

Proper shipping name (ADR/RID) FLAMMABLE LIQUID, N.O.S.
Proper shipping name (IMDG) FLAMMABLE LIQUID, N.O.S.
Proper shipping name (ICAO) FLAMMABLE LIQUID, N.O.S.

14.3. Transport hazard class(es)

ADR/RID class 3
SATREAT PRIMER

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 No.

14.6. Special precautions for user
EmS F-E, S-E
Emergency Action Code 3YE
Hazard Identification Number (ADR/RID) 33

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

15.2. Chemical safety assessment

SECTION 16: Other information

Revision date 29/04/2015
Revision 8
SDS number 10020
SDS status Approved.
SATREAT PRIMER

Risk phrases in full
R11 Highly flammable.
R22 Harmful if swallowed.
R29 Contact with water liberates toxic gas.
R31 Contact with acids liberates toxic gas.
R36 Irritating to eyes.
R36/37 Irritating to eyes and respiratory system.
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R66 Repeated exposure may cause skin dryness or cracking.
R67 Vapours may cause drowsiness and dizziness.
R8 Contact with combustible material may cause fire.

Hazard statements in full
H225 Highly flammable liquid and vapour.
H272 May intensify fire; oxidiser.
H302 Harmful if swallowed.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.