

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

1.1. Product identifier

Product name STAR QUICK BREAK

Product number 25 Ltr: 00910010 / 200 Ltr: 00910011 / 1000 Ltr: 00910092

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

Identified uses Directions for use:

STAR QUICK BREAK is used neat.It can be applied by brush, spray, immersion, soaking, or any other conventional means. Allow a residence time of at least 30--60 minutes where possible to ensure good penetration. Wash down all surfaces using hot water if possible and

high pressure water jet.

1.3. Details of the supplier of the safety data sheet

Supplier STAR International

Star House

Turbine Business Park

Turbine Road Birkenhead Merseyside CH41 9BA

Tel: +44 (0) 1244 504 500 Fax: +44 (0) 1244 504 504 www.star-international.co.uk

1.4. Emergency telephone number

Emergency telephone +44 (0) 1244 504 500 (Office hours only)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (SI 2019 No. 720)

Physical hazards Not Classified

Health hazards Eye Irrit. 2 - H319 Asp. Tox. 1 - H304

Environmental hazards Not Classified

2.2. Label elements

Hazard pictograms





Signal word Danger

Hazard statements H319 Causes serious eye irritation.

H304 May be fatal if swallowed and enters airways.

STAR QUICK BREAK

Precautionary statements P264 Wash contaminated skin thoroughly after handling.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing.

P331 Do NOT induce vomiting.

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

Contains KEROSENE ODOURLESS

Supplementary precautionary

P337+P313 If eye irritation persists: Get medical advice/ attention.

statements 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

KEROSENE ODOURLESS
CAS number: 64742-47-8 EC number: 926-141-6

Classification

Asp. Tox. 1 - H304

SURFAC UN65/95 1-5%

CAS number: 68439-46-3

Classification

Acute Tox. 4 - H302 Eye Dam. 1 - H318

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 First aid personnel should wear appropriate protective equipment during any rescue. Wear

protective clothing as described in Section 8 of this safety data sheet. No action shall be taken

without appropriate training or involving any personal risk.

Inhalation Move affected person to fresh air and keep warm and at rest in a position comfortable for

breathing. Rinse nose and mouth with water. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. If breathing stops, provide

artificial respiration. Get medical attention immediately.

Ingestion Get medical attention immediately. Do not induce vomiting. If vomiting occurs, the head

should be kept low so that vomit does not enter the lungs. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis. Get medical attention immediately.

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

attention if any discomfort continues.

Eye contact Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15

minutes. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort

continues.

STAR QUICK BREAK

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

Inhalation Gas or vapour in high concentrations may irritate the respiratory system. Vapours may cause

headache, fatigue, dizziness and nausea. Vapours in high concentrations are anaesthetic. Symptoms following overexposure may include the following: Headache. Fatigue. Dizziness.

Central nervous system depression.

Ingestion Aspiration hazard if swallowed. May be fatal if swallowed and enters airways. Entry into the

lungs following ingestion or vomiting may cause chemical pneumonitis. Development of

symptoms may be delayed for 24 to 48 hours.

Skin contact Repeated exposure may cause skin dryness or cracking. Product has a defatting effect on

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

Eye contact Causes serious eye irritation.

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

Notes for the doctor

No specific recommendations. Treat symptomatically. Development of symptoms may be

delayed for 24 to 48 hours.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Extinguish with 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 When heated, vapours/gases hazardous to health may be formed Keep upwind to avoid

inhalation of gases, vapours, fumes and smoke

Hazardous combustion

products

Thermal decomposition or combustion products may include the following substances:

Carbon dioxide (CO2). Carbon monoxide (CO). Acrid smoke or fumes.

5.3. Advice for firefighters

Protective actions during

firefighting

No action shall be taken without appropriate training or involving any personal risk. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Control run-off water by containing and keeping it out of sewers and

 $water courses. \ Contain \ and \ collect \ extinguishing \ water.$

Special protective equipment

for firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective

clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions

No action shall be taken without appropriate training or involving any personal risk. Follow

precautions for safe handling described in this safety data sheet. Keep unnecessary and unprotected personnel away from the spillage. Product is a static accumulator Earth container and transfer equipment to eliminate sparks from static electricity Provide adequate ventilation. Avoid inhalation of vapours and contact with skin and eyes. Do not touch or walk into spilled

material. Take care as floors and other surfaces may become slippery.

6.2. Environmental precautions

Environmental precautions Do not discharge into drains or watercourses or onto the ground. Spillages or uncontrolled

discharges into watercourses must be reported immediately to the Environmental Agency or

other appropriate regulatory body.

STAR QUICK BREAK

6.3. Methods and material for containment and cleaning up

Methods for cleaning up

Stop leak if possible without risk. Avoid the spillage or runoff entering drains, sewers or watercourses. Absorb spillage with inert, damp, non-combustible material. Collect and place in suitable waste disposal containers and seal securely. Clean contaminated objects and areas thoroughly, observing environmental regulations.

6.4. Reference to other sections

Reference to other sections

Wear protective clothing as described in Section 8 of this safety data sheet. Collect and dispose of spillage as indicated in Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions

Handle all packages and containers carefully to minimise spills. Wear protective clothing as described in Section 8 of this safety data sheet. Provide adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid inhalation of vapours and contact with skin and eyes. Take care as floors and other surfaces may become slippery Earth container and transfer equipment to eliminate sparks from static electricity. Static electricity and formation of sparks must be prevented.

Advice on general occupational hygiene

Do not eat, drink or smoke when using this product. Wash at the end of each work shift and before eating, smoking and using the toilet. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site. Provide eyewash station and safety shower.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions

Product is a static accumulator Earth container and transfer equipment to eliminate sparks from static electricity Storage tanks and other containers must be earthed. Store in tightly closed, original container in a dry, cool and well-ventilated place Avoid excessive heat for prolonged periods of time. Container must be kept tightly closed when not in use. Suitable container materials: Carbon steel. Stainless steel. Polyethylene. Store away from the following materials: Strong oxidising agents

Storage class Chemical 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

KEROSENE ODOURLESS

Long-term exposure limit (8-hour TWA): WEL 1200 mg/m³ WEL = Workplace Exposure Limit.

8.2. Exposure controls

Protective equipment









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Appropriate engineering

controls

Provide adequate ventilation. Observe any occupational exposure limits for the product or ingredients. Use process enclosures, local exhaust ventilation or other engineering controls as the primary means to minimise worker exposure. Use explosion-proof ventilating equipment. Avoid inhalation of vapours and contact with skin and eyes Provide eyewash station and safety shower

Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Personal protective equipment that provides appropriate eye and face protection should be worn. Unless the assessment indicates a higher degree of protection is required, the following protection should be worn: Tight-fitting safety glasses.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. To protect hands from chemicals, wear gloves that are proven to be impervious to the chemical and resist degradation. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. Protective gloves should have a minimum thickness of 0.38 mm. Frequent changes are recommended. For exposure up to 8 hours, wear gloves made of the following material: Nitrile rubber.

Other skin and body

protection

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or

prolonged vapour contact.

Hygiene measures

Wash at the end of each work shift and before eating, smoking and using the toilet. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site. Care should be taken to avoid contact with contaminants when removing contaminated clothing. Wash contaminated clothing before reuse.

Respiratory protection

Respiratory protection complying with an approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible. Ensure all respiratory protective equipment is suitable for its intended use and is 'UKCA'-marked. If ventilation is inadequate, suitable respiratory protection must be worn. Wear a respirator fitted with the following cartridge: Organic vapour filter. Gas filter, type A2. EN 136/140/141/145/143/149

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance Clear liquid.

Colour Colourless.

Odour Characteristic.

pH pH (concentrated solution): 5.0

Flash point 73°C Closed cup.

Vapour density >1

Relative density ~0.812 @ 20°C

Solubility(ies) Insoluble in water.

Viscosity <=2 m²/s @ 40°C

9.2. Other information

Other information Not available.

SECTION 10: Stability and reactivity

10.1. Reactivity

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

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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. Avoid excessive heat for prolonged periods

of time. Static electricity and formation of sparks must be prevented.

10.5. Incompatible materials

Materials to avoid Strong oxidising agents. Strong acids.

10.6. Hazardous decomposition products

Hazardous decomposition The

Thermal decomposition or combustion products may include the following substances:

Carbon monoxide (CO). Carbon dioxide (CO2). Toxic gases or vapours.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

chemical pneumonitis.

Acute toxicity - oral

products

Notes (oral LD₅₀) LD₅₀ >5000 mg/kg, Oral, Rat

ATE oral (mg/kg) 50,000.0

Acute toxicity - dermal

Notes (dermal LD₅₀) LD₅₀ >5000 mg/kg, Dermal, Rabbit

Skin corrosion/irritation

Skin corrosion/irritationConclusive data but not sufficient for classification.

Animal data No information available.

Serious eye damage/irritation

Serious eye damage/irritation May cause temporary eye irritation.

Respiratory sensitisation

Respiratory sensitisation There is no evidence that the material can lead to respiratory hypersensitivity.

Skin sensitisation

Skin sensitisation Based on available data the classification criteria are not met.

Germ cell mutagenicity

Genotoxicity - in vitroBased on available data the classification criteria are not met.

Carcinogenicity

Carcinogenicity Based on available data the classification criteria are not met.

Reproductive toxicity

Reproductive toxicity - fertility No information available.

Reproductive toxicity -

This substance has no evidence of toxicity to reproduction.

development

Specific target organ toxicity - single exposure

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STOT - single exposure No information available.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Based on available data the classification criteria are not met.

Aspiration hazard

Aspiration hazard May be fatal if swallowed and enters airways.

Inhalation Gas or vapour in high concentrations may irritate the respiratory system. Symptoms following

overexposure may include the following: Coughing. Vapours in high concentrations are narcotic. Symptoms following overexposure may include the following: Headache. Fatigue.

Dizziness. Central nervous system depression.

Ingestion Aspiration hazard if swallowed. May be fatal if swallowed and enters airways. Entry into the

lungs following ingestion or vomiting may cause chemical pneumonitis. Development of

symptoms may be delayed for 24 to 48 hours.

Skin contact Repeated exposure may cause skin dryness or cracking. Product has a defatting effect on

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

Eye contact May cause temporary eye irritation.

Toxicological information on ingredients.

KEROSENE ODOURLESS

may cause chemical pneumonitis.

Acute toxicity - oral

Acute toxicity oral (LD50

mg/kg)

5,000.0

Species Rat

Notes (oral LD₅₀) LD₅₀ >5000 mg/kg, Oral, Rat

Acute toxicity - dermal

Acute toxicity dermal (LD_∞ 5,000.0

mg/kg)

Species Rabbit

Notes (dermal LD₅₀) LD₅₀ >5000 mg/kg, Dermal, Rabbit

Skin corrosion/irritation

Skin corrosion/irritation Conclusive data but not sufficient for classification.

Animal data No information available.

Serious eye damage/irritation

Serious eye May cause temporary eye irritation.

damage/irritation

Respiratory sensitisation

Respiratory sensitisation There is no evidence that the material can lead to respiratory hypersensitivity.

Skin sensitisation

Skin sensitisation Based on available data the classification criteria are not met.

STAR QUICK BREAK

Germ cell mutagenicity

Genotoxicity - in vitroBased on available data the classification criteria are not met.

Carcinogenicity

Carcinogenicity Based on available data the classification criteria are not met.

Reproductive toxicity

Reproductive toxicity -

fertility

No information available.

Reproductive toxicity -

development

This substance has no evidence of toxicity to reproduction.

Specific target organ toxicity - single exposure

STOT - single exposure No information available.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Based on available data the classification criteria are not met.

Aspiration hazard

Aspiration hazard May be fatal if swallowed and enters airways.

Inhalation

Gas or vapour in high concentrations may irritate the respiratory system. Symptoms following overexposure may include the following: Coughing. Vapours in high concentrations are narcotic. Symptoms following overexposure may include the following: Headache. Fatigue. Dizziness. Central nervous system depression.

Ingestion

Aspiration hazard if swallowed. May be fatal if swallowed and enters airways. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.

Skin contact

Repeated exposure may cause skin dryness or cracking. Product has a defatting effect on skin. Prolonged or repeated contact with skin may cause irritation, redness

and dermatitis.

Eye contact

May cause temporary eye irritation.

SURFAC UN65/95

Development of symptoms may be delayed for 24 to 48 hours.

Skin corrosion/irritation

Skin corrosion/irritation May cause skin irritation.

Serious eye damage/irritation

Serious eye damage/irritation

Causes serious eye damage.

Respiratory sensitisation

Respiratory sensitisation Based on available data the classification criteria are not met.

Skin sensitisation

Skin sensitisation Based on available data the classification criteria are not met.

Germ cell mutagenicity

Genotoxicity - in vitroBased on available data the classification criteria are not met.

Carcinogenicity

STAR QUICK BREAK

Carcinogenicity Based on available data the classification criteria are not met.

Reproductive toxicity

Reproductive toxicity -

fertility

Based on available data the classification criteria are not met.

Specific target organ toxicity - single exposure

STOT - single exposure Based on available data the classification criteria are not met.

Inhalation May cause respiratory system irritation.

Ingestion Harmful if swallowed.

Skin contact May cause skin irritation/eczema.

Eye contact Causes serious eye damage.

SECTION 12: Ecological information

The product components are not classified as environmentally hazardous. However, large or **Ecotoxicity**

frequent spills may have hazardous effects on the environment.

Ecological information on ingredients.

KEROSENE ODOURLESS

The product components are not classified as environmentally hazardous. **Ecotoxicity**

However, large or frequent spills may have hazardous effects on the environment.

12.1. Toxicity

Toxicity Not considered toxic to fish.

Acute aquatic toxicity

Acute toxicity - fish LC50, 96 hours: > 1000 mg/l, Oncorhynchus mykiss (Rainbow trout)

LC₅₀, 96 hours: > 1000 mg/l, Fish

Acute toxicity - aquatic

invertebrates

EC₅₀, 48 hours: > 1000 mg/l, Daphnia magna

Acute toxicity - aquatic plants IC₅₀, 72 hours: 20 ppm mg/l, Algae

Chronic aquatic toxicity

Chronic toxicity - fish early life NOEC, 28 days: 0.17 mg/l, rainbow trout (Oncorhynchus mykiss)

stage

Chronic toxicity - aquatic

NOEC, 21 days: 1.22 mg/l, Daphnia magna

invertebrates

Ecological information on ingredients.

KEROSENE ODOURLESS

Not considered toxic to fish. **Toxicity**

Acute aquatic toxicity

LC50, 96 hours: > 1000 mg/l, Oncorhynchus mykiss (Rainbow trout) Acute toxicity - fish

LC₅₀, 96 hours: > 1000 mg/l, Fish

STAR QUICK BREAK

Acute toxicity - aquatic

invertebrates

EC₅₀, 48 hours: > 1000 mg/l, Daphnia magna

Acute toxicity - aquatic

plants

IC₅₀, 72 hours: 20 ppm mg/l, Algae

Chronic aquatic toxicity

Chronic toxicity - fish early NOEC, 28 days: 0.17 mg/l, rainbow trout (Oncorhynchus mykiss)

life stage

Chronic toxicity - aquatic

invertebrates

NOEC, 21 days: 1.22 mg/l, Daphnia magna

SURFAC UN65/95

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 96 hours: 1 - 10 mg/l, Fish

12.2. Persistence and degradability

Persistence and degradability The product is expected to be biodegradable.

Biodegradation - Degradation 69: 28 days

Ecological information on ingredients.

KEROSENE ODOURLESS

Persistence and

degradability

The product is expected to be biodegradable.

Biodegradation - Degradation 69: 28 days

SURFAC UN65/95

Persistence and

degradability

This surfactant complies with the biodegradability criteria as laid down in The

Detergents Regulations (as amended).

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

Ecological information on ingredients.

KEROSENE ODOURLESS

No data available on bioaccumulation. Bioaccumulative potential

Partition coefficient No information available.

SURFAC UN65/95

Bioaccumulative potential No data available on bioaccumulation.

12.4. Mobility in soil

Mobility The product is insoluble in water and will spread on the water surface. The product contains

volatile substances which may spread in the atmosphere.

Surface tension 0.0257 mN/m @ 25°F

Ecological information on ingredients.

STAR QUICK BREAK

KEROSENE ODOURLESS

Mobility The product is insoluble in water and will spread on the water surface. The product

contains volatile substances which may spread in the atmosphere.

Surface tension 0.0257 mN/m @ 25°F

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB

This substance is not classified as PBT or vPvB according to current UK criteria.

assessment

Ecological information on ingredients.

KEROSENE ODOURLESS

Results of PBT and vPvB

This substance is not classified as PBT or vPvB according to current UK criteria.

assessment

SURFAC UN65/95

Results of PBT and vPvB No information available.

assessment

12.6. Other adverse effects

Other adverse effects Not determined.

Ecological information on ingredients.

KEROSENE ODOURLESS

Other adverse effects Not determined.

SURFAC UN65/95

Other adverse effects Not available.

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. DO NOT PRESSURISE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH

CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES

OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.

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

General The product is not covered by international regulations on the transport of dangerous goods

(IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

STAR QUICK BREAK

14.3. Transport hazard class(es)

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

Not applicable.

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

Transport in bulk according to Not applicable.

Annex II of MARPOL 73/78

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

Not available.

SECTION 16: Other information

General information Only trained personnel should use this material.

Key literature references and

sources for data

Health and Safety Executive (HSE). MARPOL 73/78 Annex II - Regulations for the Control of Pollution by Noxious Liquid Substances in Bulk. Source: European Chemicals Agency,

http://echa.europa.eu/

Revision date 06/01/2023

Revision 1

Supersedes date 20/01/2020

SDS number 21486

Hazard statements in full H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H318 Causes serious eye damage. H319 Causes serious eye irritation.

Signature Edita Dabasinskaite