



## SAFETY DATA SHEET

### Benton Ruitenrein./Anti-insect 7718009

This draft safety data sheet is for illustrative purposes only. The data contained within may be incomplete and are subject to change.

#### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

##### 1.1. Product identifier

Product name Benton Ruitenrein./Anti-insect 7718009  
Product No. 004525(FT)

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

Identified uses Glass cleaner.

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

Supplier TETROSYL LIMITED  
BEVIS GREEN WORKS  
WALMERSLEY  
BURY  
BL9 6RE  
0161 764 5981  
0161 797 5899  
info@tetrosyl.com

Manufacturer TETROSYL LIMITED  
BEVIS GREEN WORKS  
WALMERSLEY  
BURY  
BL9 6RE  
0161 764 5981  
0161 797 5899  
info@tetrosyl.com

##### 1.4. Emergency telephone number

0161 764 5981

#### SECTION 2: HAZARDS IDENTIFICATION

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

Classification (EC 1272/2008)

Physical and Chemical Hazards	Flam. Liq. 3 - H226
Human health	Not classified.
Environment	Not classified.

Classification (1999/45/EEC) R10.

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

##### 2.2. Label elements

**Benton Ruitenrein./Anti-insect 7718009**

Detergent Labelling:

&lt; 5% anionic surfactants

Label In Accordance With (EC) No. 1272/2008



Signal Word	Warning	
Hazard Statements	H226	Flammable liquid and vapour.
Precautionary Statements	P101	If medical advice is needed, have product container or label at hand.
	P102	Keep out of reach of children.
	P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
	P233	Keep container tightly closed.
	P501	Dispose of contents/container in accordance with local regulations.
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.
	P280	Wear protective gloves/protective clothing/eye protection/face protection.
	P303+361+353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
	P370+378	In case of fire: Use foam, carbon dioxide, dry powder or water fog for extinction.
	P403+235	Store in a well-ventilated place. Keep cool.

**2.3. Other hazards**

This product does not contain any PBT or vPvB substances.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.2. Mixtures**

ETHANOL	<0.1%
CAS-No.: 64-17-5	EC No.: 200-578-6
Classification (EC 1272/2008) Flam. Liq. 2 - H225	Classification (67/548/EEC) F;R11

**Benton Ruitenrein./Anti-insect 7718009**

IPA	5-10%	
CAS-No.: 67-63-0	EC No.: 200-661-7	Registration Number: 01-2119457558-25-XXXX
Classification (EC 1272/2008)	Classification (67/548/EEC)	
Flam. Liq. 2 - H225	F;R11	
Eye Irrit. 2 - H319	Xi;R36	
STOT SE 3 - H336	R67	

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

Remove affected person from source of contamination. NOTE! Effects may be delayed. Keep affected person under observation. Get medical attention. CAUTION! First aid personnel must be aware of own risk during rescue! Move the exposed person to fresh air at once. NOTE! Keep affected person away from heat, sparks and flames! Perform artificial respiration if breathing has stopped. Place unconscious person on the side in the recovery position and ensure breathing can take place.

#### Inhalation

Remove victim immediately from source of exposure. Move injured person into fresh air and keep person calm under observation. If uncomfortable: Seek hospital and bring these instructions. Place unconscious person on the side in the recovery position and ensure breathing can take place. Perform artificial respiration if breathing has stopped.

#### Ingestion

Get medical attention immediately! Immediately rinse mouth and drink plenty of water or milk. Keep person under observation. Do not induce vomiting. If vomiting occurs, keep head low. Transport immediately to hospital and bring along these instructions. Do not give victim anything to drink if he is unconscious. NOTE! Keep affected person away from heat, sparks and flames! When risk of unconsciousness, place and transport the victim in secured side position.

#### Skin contact

Remove contaminated clothing immediately and wash skin with soap and water. Consult a physician for specific advice.

#### Eye contact

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Do not rub eye. Get medical attention if any discomfort continues.

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

#### General information

The severity of the symptoms described will vary dependant of the concentration and the length of exposure. NOTE! Effects may be delayed. Keep affected person under observation.

#### Inhalation

In case of overexposure, organic solvents may depress the central nervous system causing dizziness and intoxication, and at very high concentrations unconsciousness and death. Vapours may cause headache, fatigue, dizziness and nausea. In high concentrations, vapours are anaesthetic and may cause headache, fatigue, dizziness and central nervous system effects.

#### Ingestion

May cause discomfort if swallowed. May cause stomach pain or vomiting. May cause nausea, headache, dizziness and intoxication. May cause chemical burns in mouth and throat. Central nervous system depression. Fumes from the stomach contents may be inhaled resulting in the same symptoms as inhalation.

#### Skin contact

Prolonged contact may cause redness, irritation and dry skin.

**Benton Ruitenrein./Anti-insect 7718009****Eye contact**

Irritation, burning, lachrymation, blurred vision after liquid splash.

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

No recommendation given, but first aid may still be required in case of accidental exposure, inhalation or ingestion of this chemical. If in doubt, GET MEDICAL ATTENTION PROMPTLY!

**SECTION 5: FIREFIGHTING MEASURES****5.1. Extinguishing media****Extinguishing media**

Use: Foam, carbon dioxide or dry powder. Water. Use fire-extinguishing media appropriate for surrounding materials.

**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****Hazardous combustion products**

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

**Unusual Fire & Explosion Hazards**

HIGHLY FLAMMABLE! Forms explosive mixtures with air. Vapours are heavier than air and may spread near ground to sources of ignition. May travel considerable distance to source of ignition and flash back.

**Specific hazards**

Vapours may form explosive air mixtures even at room temperature. Vapours are heavier than air and may travel along the floor and in the bottom of containers. Vapours may be ignited by a spark, a hot surface or an ember.

**5.3. Advice for firefighters****Special Fire Fighting Procedures**

Avoid breathing fire vapours. Keep up-wind to avoid fumes. Be aware of risk of fire re-starting, and risk of explosion. Cool containers exposed to flames with water until well after the fire is out. Use water SPRAY only to cool containers! Do not put water on leaked material.

**Protective equipment for fire-fighters**

Leave danger zone immediately.

**SECTION 6: ACCIDENTAL RELEASE MEASURES****6.1. Personal precautions, protective equipment and emergency procedures**

Wear protective clothing as described in Section 8 of this safety data sheet. In case of inadequate ventilation, use respiratory protection. Take precautionary measures against static discharges. Do not smoke, use open fire or other sources of ignition. Do not breathe vapour. Avoid contact with skin and eyes. In case of spills, beware of slippery floors and surfaces.

**6.2. Environmental precautions**

Do not discharge into drains, water courses or onto the ground. Prevent entry into drains. Avoid discharge to the aquatic environment.

**6.3. Methods and material for containment and cleaning up**

For waste disposal, see section 13. Stop leak if possible without risk. Collect with absorbent, non-combustible material into suitable containers. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Provide ventilation and confine spill. Do not allow runoff to sewer. Cover large spillages with alcohol-resistant foam.

**6.4. 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**

**Benton Ruitenrein./Anti-insect 7718009****7.1. Precautions for safe handling**

Read and follow manufacturer's recommendations. Eliminate all sources of ignition. Keep away from heat, sparks and open flame. Risk of vapour concentration on the floor and in low-lying areas. Static electricity and formation of sparks must be prevented. Do not eat, drink or smoke when using the product. Avoid inhalation of vapours/spray and contact with skin and eyes. Observe good chemical hygiene practices. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level. Mechanical ventilation or local exhaust ventilation may be required.

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

Keep away from heat, sparks and open flame. Keep containers tightly closed. Keep upright. Keep in original container. Avoid contact with oxidising agents. Do not store near heat sources or expose to high temperatures. Store separated from: Oxidising material.

Storage Class

Flammable liquid storage.

**7.3. 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**

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
ETHANOL	WEL	1000 ppm	1920 mg/m <sup>3</sup>			
IPA	WEL	400 ppm	999 mg/m <sup>3</sup>	500 ppm	1250 mg/m <sup>3</sup>	

WEL = Workplace Exposure Limit.

**8.2. Exposure controls**

Protective equipment



Process conditions

Provide eyewash station.

Engineering measures

Provide explosion proof ventilation for high concentrations. Observe occupational exposure limits and minimize the risk of inhalation of vapours. All handling to take place in well-ventilated area.

Respiratory equipment

If ventilation is insufficient, suitable respiratory protection must be provided. Check that mask fits tight and change filter regularly. Use respiratory equipment with gas filter, type AX.

Hand protection

For prolonged or repeated skin contact use suitable protective gloves. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material. Be aware that the liquid may penetrate the gloves. Frequent change is advisable.

**Benton Ruitenrein./Anti-insect 7718009****Eye protection**

Wear approved, tight fitting safety glasses where splashing is probable.

**Other Protection**

Wear suitable protective clothing as protection against splashing or contamination.

**Hygiene measures**

Wash promptly with soap &amp; water if skin becomes contaminated. When using do not eat, drink or smoke.

Isolate contaminated clothing and wash before reuse.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES****9.1. Information on basic physical and chemical properties**

Appearance	Clear liquid.
Colour	Blue.
Odour	Characteristic.
Solubility	Soluble in water.
Initial boiling point and boiling range (°C)	87°C
Melting point (°C)	Not determined.
Relative density	Scientifically unjustified. 0.982
Vapour density (air=1)	Not determined.
Vapour pressure	Scientifically unjustified.
Evaporation rate	Not determined.
pH-Value, Conc. Solution	Scientifically unjustified. 8.0 - 10.0
Viscosity	1 cP 20°C
Decomposition temperature (°C)	Not determined.
Odour Threshold, Lower	Scientifically unjustified.
Odour Threshold, Upper	Not determined.
Flash point (°C)	Scientifically unjustified. 41°C
Auto Ignition Temperature (°C)	Not determined.
Flammability Limit - Lower(%)	Scientifically unjustified.
Flammability Limit - Upper(%)	Not determined.
Partition Coefficient (N-Octanol/Water)	Scientifically unjustified.
	Not determined.

**Benton Ruitenrein./Anti-insect 7718009**

Scientifically unjustified.  
Oxidising properties  
Not determined.

**9.2. Other information**

None.

**SECTION 10: STABILITY AND REACTIVITY****10.1. Reactivity**

No specific reactivity hazards associated with this product.

**10.2. Chemical stability**

Stable under normal temperature conditions and recommended use.

**10.3. Possibility of hazardous reactions**

Not relevant

**10.4. Conditions to avoid**

Avoid heat, flames and other sources of ignition.

**10.5. Incompatible materials**

Materials To Avoid  
Strong oxidising substances.

**10.6. Hazardous decomposition products**

None at ambient temperatures. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

**SECTION 11: TOXICOLOGICAL INFORMATION****11.1. Information on toxicological effects**

Toxic Dose 1 - LD 50  
4710-5500 (IPA) mg/kg (oral rat)  
Toxic Dose 2 - LD 50  
6410 (IPA) mg/kg (oral-rbt)  
Toxic Conc. - LC 50  
16000 (IPA) ppm/-- (ihl-rat)

**General information**

Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.  
Contains small amounts of organic solvents. Extensive use of the product in areas with inadequate ventilation may result in hazardous vapour concentrations.

**Inhalation**

Vapours may irritate throat and respiratory system and cause headache, dizziness and dullness. Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.  
Contains organic solvents which in case of overexposure may depress the central nervous system causing dizziness and intoxication.

**Ingestion**

May cause internal injury. May cause nausea, headache, dizziness and intoxication. Harmful: may cause lung damage if swallowed. Pneumonia may be the result if vomited material containing solvents reaches the lungs.

**Benton Ruitenrein./Anti-insect 7718009****Skin contact**

Prolonged contact may cause dryness of the skin. Repeated exposure may cause skin dryness or cracking.

**Eye contact**

Irritating and may cause redness and pain. Spray and vapour in the eyes may cause irritation and smarting.

**Health Warnings**

This chemical can be hazardous when inhaled and/or touched. May cause severe internal injury. Vapour from this chemical can be hazardous when inhaled.

**Route of entry**

Inhalation. Ingestion. Skin and/or eye contact. Skin absorption.

**Medical Symptoms**

Central nervous system depression. Drowsiness, dizziness, disorientation, vertigo.

**Medical Considerations**

Risk of chemical pneumonia after aspiration.

**SECTION 12: ECOLOGICAL INFORMATION****Ecotoxicity**

The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

**12.1. Toxicity**

LC 50, 96 Hrs, Fish mg/l 4200-9640 (IPA)  
EC 50, 48 Hrs, Daphnia, mg/l 2285 (IPA)  
IC 50, 72 Hrs, Algae, mg/l 1000-18000 (IPA)

**12.2. Persistence and degradability****Degradability**

No data available.

**12.3. Bioaccumulative potential****Bioaccumulative potential**

No data available on bioaccumulation.

**Partition coefficient**

Not determined.

Scientifically unjustified.

**12.4. Mobility in soil****Mobility:**

The product is soluble in water.

**Adsorption/Desorption Coefficient**

Not available.

**12.5. Results of PBT and vPvB assessment**

Not Classified as PBT/vPvB by current EU criteria.

**12.6. Other adverse effects**

Not available.

**SECTION 13: DISPOSAL CONSIDERATIONS**



**Benton Ruitenrein./Anti-insect 7718009****General information**

Waste is classified as hazardous waste. Disposal to licensed waste disposal site in accordance with the local Waste Disposal Authority. Do not puncture or incinerate even when empty.

**13.1. Waste treatment methods**

Confirm disposal procedures with environmental engineer and local regulations. Make sure containers are empty before discarding (explosion risk). Empty containers must not be burned because of explosion hazard. Recover and reclaim or recycle, if practical.

**SECTION 14: TRANSPORT INFORMATION****14.1. UN number**

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

**14.2. UN proper shipping name**

Proper Shipping Name      FLAMMABLE LIQUID, N.O.S. (PROPAN-2-OL, ETHANOL)

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

ADR/RID/ADN Class	3
ADR/RID/ADN Class	Class 3: Flammable liquids.
ADR Label No.	3
IMDG Class	3
ICAO Class/Division	3
Transport Labels	

**14.4. Packing group**

ADR/RID/ADN Packing group	III
ICAO Packing group	III

**14.5. Environmental hazards**

Environmentally Hazardous Substance/Marine Pollutant  
No.

**14.6. Special precautions for user**

EMS	F-E, S-E
Emergency Action Code	3Y
Hazard No. (ADR)	30

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

Not applicable.

**Benton Ruitenrein./Anti-insect 7718009****SECTION 15: REGULATORY INFORMATION****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

## EU Legislation

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), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

**15.2. Chemical Safety Assessment**

No chemical safety assessment has been carried out.

**SECTION 16: OTHER INFORMATION**

## Revision Comments

NOTE: Lines within the margin indicate significant changes from the previous revision.

Revision Date 24/10/2012

Revision 24

Supersedes date 19/10/2012

Safety Data Sheet Status Temporary Sheet - For Sample Use Only

## Risk Phrases In Full

R10 Flammable

R11 Highly flammable

R36 Irritating to eyes.

R67 Vapours may cause drowsiness and dizziness.

## Hazard Statements In Full

H319 Causes serious eye irritation.

H226 Flammable liquid and vapour.

H225 Highly flammable liquid and vapour.

H336 May cause drowsiness or dizziness.