

Revision Date 27/09/2017
Revision 2
Supersedes date 18/08/2011

SAFETY DATA SHEET GUNWASH

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

1.1. Product identifier

Product name GUNWASH
Product No. THCELL

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

Identified uses COATINGS APPLICATIONS

1.3. Details of the supplier of the safety data sheet

Start Traffic
Unit 30
North Bank, Berry Hill Ind Est
Droitwich WR9 9AU

1.4. Emergency telephone number

01934 825850

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical and Chemical Hazards Flam. Liq. 2 - H225
Human health Acute Tox. 4 - H312; Acute Tox. 4 - H332; Skin Irrit. 2 - H315; Eye Dam. 1 - H318; Repr. 2 - H361d; STOT Rep. 2 - H373; Asp. Tox. 1 - H304
Environment Not classified.

Classification (1999/45/EEC)

Xn; R20/21, R48/20, R65. Repr. Cat. 3; R63. Xi; R38, R41. F; R11.

Physical and Chemical Hazards

The product is highly flammable, and explosive vapours/air mixtures may be formed even at normal room temperatures.

2.2. Label elements

Contains TOLUENE
XYLENE

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



GUNWASH

Signal Word	Danger	
Hazard Statements		
	H225	Highly flammable liquid and vapour.
	H304	May be fatal if swallowed and enters airways.
	H312	Harmful in contact with skin.
	H315	Causes skin irritation.
	H318	Causes serious eye damage.
	H332	Harmful if inhaled.
	H361d	Suspected of damaging the unborn child.
	H373	May cause damage to organs through prolonged or repeated exposure.
Precautionary Statements		
	P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
	P271	Use only outdoors or in a well-ventilated area.
	P280	Wear protective gloves/protective clothing/eye protection/face protection.
	P281	Use personal protective equipment as required.
	P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P310	Immediately call a POISON CENTER or doctor/physician.
	P370	In case of fire:
	P378a	Use alcohol-resistant foam, carbon dioxide or dry powder for extinction.
	P501	Dispose of contents/container to registered waste disposal company.
Supplementary Precautionary Statements		
	P201	Obtain special instructions before use.
	P202	Do not handle until all safety precautions have been read and understood.
	P233	Keep container tightly closed.
	P240	Ground/bond container and receiving equipment.
	P241	Use explosion-proof electrical/ventilating/lighting/.../equipment.
	P242	Use only non-sparking tools.
	P243	Take precautionary measures against static discharge.
	P260	Do not breathe dust/fume/gas/mist/vapours/spray.
	P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
	P264	Wash ... thoroughly after handling.
	P301+310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
	P302+352	IF ON SKIN: Wash with plenty of soap and water.
	P303+361+353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
	P304+340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
	P308+313	IF exposed or concerned: Get medical advice/attention.
	P312	Call a POISON CENTER or doctor/physician if you feel unwell.
	P314	Get medical advice/attention if you feel unwell.
	P321	Specific treatment (see ... on this label).
	P322	Specific measures (see ... on this label).
	P331	Do NOT induce vomiting.
	P332+313	If skin irritation occurs: Get medical advice/attention.
	P362	Take off contaminated clothing and wash before reuse.
	P363	Wash contaminated clothing before reuse.
	P403+235	Store in a well-ventilated place. Keep cool.
	P405	Store locked up.

2.3. Other hazards

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

BUTANONE	10-30%
CAS-No.: 78-93-3	EC No.: 201-159-0
Classification (EC 1272/2008)	Classification (67/548/EEC)
Flam. Liq. 2 - H225	F;R11
EUH066	Xi;R36
Eye Irrit. 2 - H319	R66
STOT Single 3 - H336	R67

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BUTYL ACETATE -norm CAS-No.: 123-86-4 EC No.: 204-658-1	10-30%		
<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;"> Classification (EC 1272/2008) Flam. Liq. 3 - H226 EUH066 STOT Single 3 - H336 </td> <td style="width: 50%; border: none;"> Classification (67/548/EEC) R10 R66 R67 </td> </tr> </table>	Classification (EC 1272/2008) Flam. Liq. 3 - H226 EUH066 STOT Single 3 - H336	Classification (67/548/EEC) R10 R66 R67	
Classification (EC 1272/2008) Flam. Liq. 3 - H226 EUH066 STOT Single 3 - H336	Classification (67/548/EEC) R10 R66 R67		
ISO-BUTANOL CAS-No.: 78-83-1 EC No.: 201-148-0	10-30%		
<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;"> Classification (EC 1272/2008) Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 STOT Single 3 - H335 STOT Single 3 - H336 </td> <td style="width: 50%; border: none;"> Classification (67/548/EEC) R10 Xi;R37/38,R41 R67 </td> </tr> </table>	Classification (EC 1272/2008) Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 STOT Single 3 - H335 STOT Single 3 - H336	Classification (67/548/EEC) R10 Xi;R37/38,R41 R67	
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PROPAN-2-OL CAS-No.: 67-63-0 EC No.: 200-661-7	10-30%		
<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;"> Classification (EC 1272/2008) Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 STOT Single 3 - H336 </td> <td style="width: 50%; border: none;"> Classification (67/548/EEC) F;R11 Xi;R36 R67 </td> </tr> </table>	Classification (EC 1272/2008) Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 STOT Single 3 - H336	Classification (67/548/EEC) F;R11 Xi;R36 R67	
Classification (EC 1272/2008) Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 STOT Single 3 - H336	Classification (67/548/EEC) F;R11 Xi;R36 R67		
TOLUENE CAS-No.: 108-88-3 EC No.: 203-625-9	10-30%		
<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;"> Classification (EC 1272/2008) Flam. Liq. 2 - H225 Skin Irrit. 2 - H315 Repr. 2 - H361d STOT Single 3 - H336 STOT Rep. 2 - H373 Asp. Tox. 1 - H304 </td> <td style="width: 50%; border: none;"> Classification (67/548/EEC) F;R11 Repr.Cat.3;R63 Xn;R48/20,R65 Xi;R38 R67 </td> </tr> </table>	Classification (EC 1272/2008) Flam. Liq. 2 - H225 Skin Irrit. 2 - H315 Repr. 2 - H361d STOT Single 3 - H336 STOT Rep. 2 - H373 Asp. Tox. 1 - H304	Classification (67/548/EEC) F;R11 Repr.Cat.3;R63 Xn;R48/20,R65 Xi;R38 R67	
Classification (EC 1272/2008) Flam. Liq. 2 - H225 Skin Irrit. 2 - H315 Repr. 2 - H361d STOT Single 3 - H336 STOT Rep. 2 - H373 Asp. Tox. 1 - H304	Classification (67/548/EEC) F;R11 Repr.Cat.3;R63 Xn;R48/20,R65 Xi;R38 R67		
XYLENE CAS-No.: 1330-20-7 EC No.: 215-535-7	10-30%		
<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;"> Classification (EC 1272/2008) Flam. Liq. 3 - H226 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 </td> <td style="width: 50%; border: none;"> Classification (67/548/EEC) R10 Xn;R20/21 Xi;R38 </td> </tr> </table>	Classification (EC 1272/2008) Flam. Liq. 3 - H226 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Irrit. 2 - H315	Classification (67/548/EEC) R10 Xn;R20/21 Xi;R38	
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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

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

Inhalation

Move the exposed person to fresh air at once. Provide rest, warmth and fresh air. Give nothing by mouth. Perform artificial respiration if breathing has stopped. Place unconscious person on the side in the recovery position and ensure breathing can take place.

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Ingestion

Get medical attention immediately! Provide rest, warmth and fresh air. DO NOT INDUCE VOMITING!

Skin contact

Remove contaminated clothing. Wash skin thoroughly with soap and water. Do NOT use solvents or thinners.

Eye contact

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention promptly if symptoms occur after washing.

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.

Inhalation.

Vapours may cause headache, fatigue, dizziness and nausea.

Ingestion

Gastrointestinal symptoms, including upset stomach.

Skin contact

Prolonged contact may cause redness, irritation and dry skin.

Eye contact

Extreme irritation of eyes and mucous membranes, including burning and tearing.

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

Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.

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

In case of fire, toxic gases (CO, CO₂, NO_x) may be formed.

Specific hazards

The product is flammable, and heating may generate vapours which may form explosive vapour/air mixtures. In case of fire, toxic gases may be formed (CO_x, NO_x).

5.3. Advice for firefighters

Special Fire Fighting Procedures

Avoid breathing fire vapours. Containers close to fire should be removed immediately or cooled with water. Keep run-off water out of sewers and water sources. Dike for water control.

Protective equipment for fire-fighters

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

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. Do not smoke, use open fire or other sources of ignition.

6.2. Environmental precautions

Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body. Do not discharge into drains, water courses or onto the ground. The product should not be dumped in nature but collected and delivered according to agreement with the local authorities.

6.3. Methods and material for containment and cleaning up

For waste disposal, see section 13. Absorb in vermiculite, dry sand or earth and place into containers.

6.4. Reference to other sections

For personal protection, see section 8.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Risk of vapour concentration on the floor and in low-lying areas. Avoid eating, drinking and smoking when using the product. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.

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7.2. Conditions for safe storage, including any incompatibilities

Up to 50litres of liquids with a flash point below 32 deg C may be kept in a workroom provided they are kept in closed containers in a marked, fire-resisting cupboard or bin. Larger quantities must be kept in a separate storeroom conforming to the structural requirements contained in the HSE guidance note Storage of Flammable Liquids in Containers. Store away from: Acids. Alkalis. Oxidising 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)

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
BUTANONE	WEL	200 ppm(Sk)	600 mg/m3(Sk)	300 ppm(Sk)	899 mg/m3(Sk)	
BUTYL ACETATE -norm	WEL	150 ppm	724 mg/m3	200 ppm	966 mg/m3	
ISO-BUTANOL	WEL	50 ppm	154 mg/m3	75 ppm	231 mg/m3	
PROPAN-2-OL	WEL	400 ppm	999 mg/m3	500 ppm	1250 mg/m3	
TOLUENE	WEL	50 ppm(Sk)	191 mg/m3(Sk)	100 ppm(Sk)	384 mg/m3(Sk)	
XYLENE	WEL	50 ppm(Sk)	220 mg/m3(Sk)	100 ppm(Sk)	441 mg/m3(Sk)	

WEL = Workplace Exposure Limit.

Ingredient Comments

WEL = Workplace Exposure Limits

8.2. Exposure controls

Protective equipment



Process conditions

Provide eyewash station.

Engineering measures

Provide adequate ventilation. Observe Occupational Exposure Limits and minimise the risk of inhalation of vapours.

Respiratory equipment

Wear suitable respiratory protection.

Hand protection

Nitrile gloves are recommended.

Eye protection

Wear approved safety goggles.

Other Protection

Use barrier creams to prevent skin contact.

Hygiene measures

Wash at the end of each work shift and before eating, smoking and using the toilet.

Skin protection

Wear apron or protective clothing in case of splashes.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Clear liquid.
Colour	Colourless.
Odour	Solvent.
Solubility	Immiscible with water
Relative density	0.83 20 DEG C

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Vapour density (air=1)	>1.0
Vapour pressure	8.5 mm Hg 20 DEG C
Viscosity	N/A 20 DEG C
Flash point (°C)	<21 DEG C Sh CC (Setaflash closed cup).

9.2. Other information

Volatile Organic Compound (VOC) 830 g/litre

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

Incompatible with oxidising agents.

Hazardous Polymerisation

Will not polymerise.

10.4. Conditions to avoid

Avoid contact with: Oxidising materials. Strong alkalis. Strong mineral acids.

10.5. Incompatible materials

Materials To Avoid

Strong acids. Strong alkalis. Strong oxidising substances.

10.6. Hazardous decomposition products

In case of fire, toxic gases (CO, CO₂, NO_x) may be formed.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Toxicological information

No data recorded.

General information

Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.

Inhalation

Exposure to organic vapours in excess of the stated occupational exposure limit may result in adverse health effects such as irritation of the mucous membrane and the respiratory system and adverse effects on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Ingestion

May cause discomfort if swallowed.

Skin contact

Prolonged contact may cause redness, irritation and dry skin.

Eye contact

Splashes in the eyes may cause irritation and reversible local damage

Health Warnings

Prolonged or repeated contact leads to drying of skin.

Route of entry

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

Target Organs

Kidneys Liver Central nervous system

Medical Symptoms

High concentrations of vapours may irritate respiratory system and lead to headache, fatigue, nausea and vomiting.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

There are no data on the ecotoxicity of this product.

12.1. Toxicity

12.2. Persistence and degradability

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Degradability

The product is biodegradable. Volatile substances are degraded in the atmosphere within a few days.

12.3. Bioaccumulative potential

Bioaccumulative potential

The product contains potentially bioaccumulating substances.

12.4. Mobility in soil

Mobility:

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

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects

Not determined.

SECTION 13: DISPOSAL CONSIDERATIONS

General information

Waste is classified as hazardous waste. Disposal to licensed waste disposal site in accordance with the local Waste Disposal Authority.

13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements.

SECTION 14: TRANSPORT INFORMATION

General Always transport in closed containers that are upright and secure.

14.1. UN number

UN No. (ADR/RID/ADN)	1263
UN No. (IMDG)	1263
UN No. (ICAO)	1263

14.2. UN proper shipping name

Proper Shipping Name FLAMMABLE LIQUID

14.3. Transport hazard class(es)

ADR/RID/ADN Class	3
ADR/RID/ADN Class	Class 3: Flammable liquids.
IMDG Class	3

Transport Labels



14.4. Packing group

ADR/RID/ADN Packing group	II
IMDG Packing group	II

14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant

No.

14.6. Special precautions for user

Emergency Action Code 3YE

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

Not applicable.

SECTION 15: REGULATORY INFORMATION

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

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Uk Regulatory References

Health and Safety at Work Act 1974. The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments.

Statutory Instruments

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716). Control of Substances Hazardous to Health.

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

Issued By Technical manager

Revision Date 02/09/2011

Revision 2

Supersedes date 18/08/2011

Date 18/8/2011

Risk Phrases In Full

R10 Flammable.
R20/21 Harmful by inhalation and in contact with skin.
R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.
R65 Harmful: may cause lung damage if swallowed.
R11 Highly flammable
R36 Irritating to eyes.
R37/38 Irritating to respiratory system and skin.
R38 Irritating to skin.
R63 Possible risk of harm to the unborn child.
R66 Repeated exposure may cause skin dryness or cracking.
R41 Risk of serious damage to eyes.
R67 Vapours may cause drowsiness and dizziness.

Hazard Statements In Full

H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H315 Causes skin irritation.
H226 Flammable liquid and vapour.
H332 Harmful if inhaled.
H312 Harmful in contact with skin.
H225 Highly flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H373 May cause damage to organs <<Organs>> through prolonged or repeated exposure.
H336 May cause drowsiness or dizziness.
H335 May cause respiratory irritation.
EUH066 Repeated exposure may cause skin dryness or cracking.
H361d Suspected of damaging the unborn child.

Disclaimer

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.