

1. **Identification of the Substances or Preparation and of the Company**1.1 Identification of preparation: **Tar, Ink and Grease Remover**1.1.2 Date of Revision: February 3rd 2011

1.1.3 Use of preparation: Spotting /Cleaning Agent

1.2 Company identification:

Chemspec Europe
 Unit 36C, Tong Park
 Otley Road, Baildon
 West Yorkshire BD17 7QD UK
 Tel: 01274 597333
 Fax: 01274 597444

1.3 Emergency telephone number, official advisory bodies:

1.3.1 For medical emergency call Chemspec Europe Ltd +44(0)1274 597333 (office hours)

2. **Hazards Identification**

Classification of the substance or mixture

Chemical Description: Butyl Diglycol Ether

Hazardous Ingredients:

Chemical Name	%	CAS-No.	EC#	Hazard Symbol	R-Phrases
Butyl Diglycol Ether		112-34-5	203-961-6		R36

Classification (EC 1272/2008)

Physical and Chemical Not Classified

Hazards

Human Health Eye Irritant. 2 – H319

Environment Not Classified

Classification (67/548/EEC) Xi; R36

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

2.2 **Label Elements**

EC No. 203-961-6

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



Single Word

Warning

Hazard statements

H319: Causes serious eye irritation

Precautionary Statements

P305+351+338 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.

2.3 **Other hazards**

Not Classified as PBT/vPvB by current EU criteria.

(Cont..)

3. **Composition/ Information on Ingredients**

Product name Butyl Diglycol Ether

EU Index No	CAS	EC No		Percent
603-096-00-8	112-34-5	203-961-6		

4. **First Aid Measures**

- 4.1 **Inhalation:** Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.
- 4.2 **Eye contact:** Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eye wide apart. Get medical attention immediately. Continue to rinse.
- 4.3 **Skin contact:** Remove contaminated clothes immediately and wash skin with soap and water. Get medical attention if any discomfort continues.
- 4.4 **Ingestion:** Provide rest, warmth and fresh air. Immediately rinse mouth and drink plenty of water (200-300 ml). Get medical attention if any discomfort continues.

4.5 **Most important symptoms and effects, both acute and delayed****Eye Contact:** Irritation of eyes and mucous membranes.4.6 **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!

5. **Fire Fighting Measures**

- 5.1 **Extinguishing media:** Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.
- 5.2 **Advice for fire fighters:** Self contained breathing apparatus and full protective clothing must be worn in case of fire.
- 5.3 **Special exposure hazards arising from the substance or mixture:**
Specific hazards: Oxides of: Carbon.

6. **Accidental Release Measures**

- 6.1 **Personal precautions, protective equipment and emergency procedures:**
Follow precautions for safe handling described in this safety data sheet. Avoid contact with skin and eyes. Provide adequate ventilation.
- 6.2 **Environmental precautions:** Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.
- 6.3 **Methods and material for containment and cleaning up:**
Absorb with inert, damp, non-combustible material, then flush area with water. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.
- 6.4 **Reference to other sections:** Wear protective clothing as described in Section 8 of this safety data sheet.

7. **Handling and Storage**

- 7.1 **Precautions for safe handling:**
Avoid spilling, skin and eye contact. Provide good ventilation.
- 7.2 **Conditions for safe storage, including any incompatibilities:**
Keep containers tightly closed. Keep in original container.
- 7.3 **Specific end use(s)**
The identified uses for this product are detailed in Section 1.2.

(Cont..)

8. **Exposure Controls/Personal Protection**8.1 **Control Parameters**

Name	STD	TWA - 8 Hrs	STEL	15 min
Butyl Diglycol Ether	WEL	10 ppm 67.5mg/m ³	15 ppm	101,2 mg/m ³

WEL = Workplace Exposure Limit.

Ingredient Comments

WEL = Workplace Exposure Limit

8.2 **Exposure controls**

8.3 Protective Equipment

8.4 Respiratory protection: If ventilation is insufficient, suitable respiratory protection must be provided.

8.5 Hand protection: Use protective gloves.

8.6 Eye protection: Wear approved safety goggles.

8.7 Other protection: Wear rubber apron. Wear rubber footwear.

9. **Physical and Chemical Properties**

Information on basic physical and chemical properties:

- 9.1.1 Appearance: Liquid
- 9.1.2 Colour: Colourless
- 9.1.3 Odour: Mild
- 9.2 Solubility: Soluble in water
- 9.3 Initial Boiling point/boiling range (°C): 230
- 9.4 Relative density: 0.956 20
- 9.5 Vapour pressure: <10 Pa 20
- 9.6 Flash point (°C) 101 TCC (Tag closed cup)
- 9.7 Auto Ignition Temperature (°C) 223
- 9.8 Partition Coefficient: 0.56
(N-Octanol/Water)
- 9.9 Other information: Not determined.

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 Conditions to avoid: Avoid excessive heat for prolonged periods of time. Avoid heat, flames and other sources of ignition.
- 10.4 Incompatible materials: Materials to avoid: Strong Acids. Strong alkalis, Strong oxidising substances.
- 10.5 Possibility of hazardous reactions: Not determined.
- 10.6 Hazardous decomposition products: Oxides of: Carbon

11. **Toxicological Information**

- 11.1 Information on toxicological effects
- 11.2 Acute toxicity:
Acute Toxicity (Oral LD50)
6600 mg/kg Rat
- 11.3 Inhalation: May cause irritation to the respiratory system.
- 11.4 Ingestion: May cause discomfort if swallowed.
- 11.5 Skin Contact: Slightly irritating.
- 11.6 Eye Contact: Irritating to eyes.

(Cont...)

12 . Ecological Information**Exotoxicity**

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**Acute Fish Toxicity**

Not considered toxic to fish.

LC 50, 96 Hrs, Fish mg/l 2700

EC 50, 48 Hrs, Daphnia, mg/l >1000

12.2 Persistence and degradability

The product is potentially degradable.

12.3 Bioaccumulative potential

The product does not contain any substances expected to be bioaccumulating.

Partition coefficient: 0.56

12.4 Mobility in soil

The product is soluble in water.

12.5 Results of PBT and vPvB assessment

Not Classified as PBT/vPvB by current EU criteria.

12.6 Other adverse effects

Not determined

Cod 2.02

13. Disposal Considerations**General information:**

Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority. Do not puncture or incinerate even when empty.

13.1 Waste Treatment methods:

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

14. Transport Information

14.1 UN number: No information required.

14.2 UN proper shipping name: No information required.

14.3 Transport hazard classes (es): No information required.

14.4 Packing group: No information required.

14.5 Environmental hazards: Environmentally Hazardous Substance/Marine Pollutant: No

14.6 Special precautions for user: No information required.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: No information required.

15. Regulatory information

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

15.2 Statutory Instruments: The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

15.3 Approved Code Of Practice: Safety Data Sheets for Substances and Preparations. Classification and Labeling of Substances and Preparations Dangerous for Supply.

15.4 Guidance Notes: CHIP for everyone HSG (108).

15.5 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. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labeling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

15.6 Chemical Safety Assessment:
No chemical safety assessment has been carried out.
Inventory Information: EINECS

16. **Other Information:**

Revision Comments:

Revision Date: 03.02.2011

Revision: 01

SDS No. 1400

Safety Data Sheet Status: Approved

Date: 17.06.2010

Signature: JR

Risk Phrases In Full:

R36: Irritating to eyes.

Hazard Statements In Full:

H319 Causes serious eye irritation

DISCLAIMER OF LIABILITY

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

The manufacturer and seller warrants that this product conforms to its standard specifications when used according to directions. As the conditions or methods of use are beyond our control, we do not assume any responsibility and expressly disclaim any liability for use of this product. Information contained herein is believed to be true and accurate but all statements or suggestions are made without any warranty, expressed or implied, regarding accuracy of the information, the hazards connected with the use of the material and the results to be obtained from the use thereof.