

**WHMIS CLASSIFICATION:** Class B Division 3  
Combustible liquids


**SECTION 1 – PRODUCT AND COMPANY INFORMATION**

**Trade Name** X4Bio – Rim Cleaner  
**Synonyms** Pre-adhesive cleaner, rim cleaner  
**Chemical Family** Aqueous liquid  
**Chemical Formula** Not applicable  
**Manufacturer** Biox-Care  
 Schöne Aussicht 45  
 35585 Wetzlar/Blasbach  
 Germany  
**Phone number** +49 (3221) 221-2574  
**Utilization** Clean wheels and improves adherence

**SECTION 2 – INGREDIENTS AND COMPOSITION**

Name	Symbol	CAS #*	Mass %	Exposure Limits	LD50 (mg/kg)	LC50 mg/m <sup>3</sup> (rat)
Propan-2-ol	C <sub>3</sub> H <sub>8</sub>	67-63-0	2.5-10	1250 mg/m <sup>3</sup>	5840 (rat)	78 276 mg/m <sup>3</sup> (rat)
2-Butoxyethanol	C <sub>6</sub> H <sub>14</sub> O <sub>2</sub>	111-76-2	2.5-10	50 ppm	1480 (rat)	450 ppm (rat)

\* Chemical Abstracts Service number

**SECTION 3 – PHYSICAL PROPERTIES**

<b>Physical State</b>	Fluid	<b>Solubility</b>	Fully miscible in water
<b>Melting point</b>	Not determined	<b>Vapor Pressure</b>	Not available
<b>Specific gravity</b>	0.99 g/cm <sup>3</sup>	<b>Boiling Point</b>	>80°C
<b>Odour</b>	Lightly citric	<b>pH at 20 °C</b>	6 - 8.5

**SECTION 4 – TOXICOLOGICAL INFORMATION**

When used and handled according to the specifications, this product doesn't have any harmful effect according to our experience and information provided to us.

<b>Routes of entry</b>	Ingestion, inhalation, skin and eye contact
<b>Acute Effects</b>	No known effects
<b>Chronic Effects</b>	No known effects
<b>Exposure limits</b>	See section 3
<b>Lethal dose and Concentration</b>	See LD50 and LC50 in section 3
<b>Irritation</b>	No known effect
<b>Sensitization</b>	No known effect
<b>Carcinogenicity</b>	No known effect to human. Carcinogenic to animals. Classified A3 by American Conference of Governmental Industrial Hygienists
<b>Teratogenicity</b>	No known effect
<b>Mutagenicity</b>	No known effect

**SECTION 5 – FIRE AND EXPLOSION DATA**

<b>Flash point</b>	Ca. 47°C
<b>Flammable limits</b>	Not applicable
<b>Auto-ignition temperature</b>	This product is not self igniting
<b>Product of combustion</b>	Carbone dioxide CO <sub>2</sub> , carbon monoxide CO
<b>Explosion Hazard</b>	Not explosive
<b>Fire fighting</b>	CO <sub>2</sub> , extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam
<b>Special Remark</b>	Endangered containers in the surrounding area should be cooled with a water-hose

**SECTION 6 – REACTIVITY**

<b>Stability</b>	Stable
<b>Condition of instability</b>	Not applicable
<b>Incompatibilities</b>	None known
<b>Dangerous products of reaction</b>	Not applicable

**SECTION 7 – PREVENTIVES MEASURES**

<b>Handling</b>	Do not ingest or inhale,. Use only in ventilated areas. Keep containers tightly sealed
<b>Storage</b>	Store in original containers or in PE containers
<b>Safety Equipment</b>	<i>Tightly sealed safety glasses:</i> <i>Gloves:</i> <i>Protective work clothing</i>
<b>Special remarks</b>	.



**SECTION 8 – FIRST AID**

<b>Ingestion</b>	Drink plenty of water and call for medical help.
<b>Inhalation</b>	Supply fresh air, consult doctor in case of symptoms
<b>Eye Contact</b>	Rinse immediately opened eyes for several minutes under running water, then consult doctor.

**SECTION 9 – TRANSPORT INFORMATION**

Not dangerous according to following specifications:

<b>Land transport</b>	ADR/RID and GGVS/GGVE (cross-border/domestic)
<b>Maritime</b>	IMDG/GGVSea
<b>Air</b>	ICAO-TI and IATA-DGR

**SECTION 10 – OTHER INFORMATION**

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**Reference**

CSST – Répertoire toxicologique, 2008, <http://www.reptox.csst.qc.ca/>  
- Hazardous Products Act ( R.S. 1985, c. H-3 ), Canada, <http://laws.justice.gc.ca/en/H-3/index.html>  
- CSST – Répertoire toxicologique, 2009, <http://www.reptox.csst.qc.ca/>

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