

WHMIS CLASSIFICATION: Class B Division 3
Combustible liquids



1. PRODUCT AND COMPAGNY INFORMATION

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

2. INGREDIENTS AND COMPOSITION

Name	Symbol	CAS # *	Mass%	Exposure Limits (mg/m ³)	LD50 (mg/kg)	LC50 (mg/kg)
Propan-2-ol	C ₃ H ₈	67-63-0	2.5 -10	492 mg/m ³ ≈ 200 ppm***	4396-5500 oral rat	4396-5500 oral rat
2- Butoxy ethanol	C ₆ H ₁₄ O ₂	7440-36-0	2.5 -10	246 mg/m ³ ≈ 50 ppm ** 98 mg/m ³ ≈ 20 ppm***	1000-2000 (oral rat)	450-486 ppm

* Chemical Abstracts Service number

** European Union: Exposure from 8 hours / 40 hours /weeks (short term).

*** USA (ACGIH): Exposure from 8 hours / 40 hours /weeks

3. PHYSICAL PROPERTIES

Physical State	Fluid	Solubility	Fully miscible in water
Melting point	Not determined	Vapor pressure	Not available
Specific gravity	0.99 g/cm ³	Boiling point	> 80°C
Color	odorless	pH	6 à 8.5
Odor	Lightly citric		

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.

Routes of entry: Inhalation, ingestion, skin and eye contacts

Acute Effects: No known effect

Chronic Effects. No known effect

Exposure Limits: See section 2

Lethal dose and concentration: See DL50 and CL50 in section 2

Irritation: No known effect

Sensitization: No known effect

Carcinogenicity: Not carcinogenic in human, however 2- butoxy-ethanol is classified in group 3 by ACGIH (American Conference of Governmental Industrial Hygienists)

Teratogenicity: No known effects

Effects of reproduction: No known effects

Mutagenicity: No known effects

5. FIRE AND EXPLOSION DATA

Flammability: Not inflammable

Flash point: 47°C

Flammable Limits: Not applicable

Auto ignition temperature: This product is not self igniting

Product of combustion: Carbone monoxide (CO), Carbone dioxide (CO₂)

Fire Hazard: Not self flammable

Explosion Hazard: Not explosive

Fire fighting: Use equipment and method of fire fighting appropriate to the immediate environment. (CO₂) extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.

Remarks: Endangered containers in the surrounding area should be cooled with a water-hose

6. REACTIVITY AND STABILITY

Stability: Stable

Conditions of instability: Not applicable

Incompatibility: None known

Dangerous products of reaction: Not applicable

Dangerous product of decomposition: Carbone monoxide de CO, Carbone dioxide de CO₂

7. PREVENTIVES MEASURES

Handling:

Do not ingest or inhale. Use in ventilated area.

Storage:

Keep product in its original content or container made of polyethylene. Store in a well ventilated areas.

Safety Equipment:

Protective Glove: When handling:

Goggles: During handling and in case of fire:

Respirator: In presence of vapor (use respirator approved by NIOSH)

Remarks:



Eye protection



Hand protection



Respiratory protection

8. FIRST AID

Ingestion: Drink plenty of water and call for medical help

Inhalation: Move person to fresh air. Get medical attention immediately

Eye contact: Remove contact lenses if present, flush eyes with water for several minutes, and get medical help

Skin contact: Remove contaminated clothing, wash with water and soap affected parties if irritation persists. See a doctor

9. TRANSPORT INFORMATION

Not dangerous according to following specification

- **Land transport** ADR/RID et GDVS/GGVE (cross-border/domestic)
- **Maritime** IMDG/GGVSea
- **Air** ICAO-TI et IATA-DGR

10. ELIMINATION

Not applicable

11. AUTRES INFORMATIONS

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Reference.

- ACGIH, TLVs and BEIs, 1999, <http://www.acgih.org/home.htm>
- Canadian Center for Occupational Health and Safety, Database MSDS/FTSS, 2011, <http://www.ccohs.ca/>
- Hazardous Products Act (R.S. 1985, c. H-3), Canada, 2011 <http://laws.justice.gc.ca/en/H-3/index.html>
- CSST – Répertoire toxicologique, 2011, <http://www.reptox.csst.qc.ca/>
- NIOSH, Pocket Guide to Chemical Hazards, 2010, <http://www.cdc.gov/niosh/npg/npg.html>
- NIOSH, programme International sur la sécurité des substances chimiques, 2011 <http://www.cdc.gov/niosh/ipcs/french.html>
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