



Safety Data Sheet

This version supersedes all previous versions. Published 1st June 2015.
This SDS has been created in compliance with CLP Regulation (EC) No 1272/2008 in accordance with Globally Harmonized System of Classification and Labelling of Chemicals (GHS), REACH EC No 1907/2006 and Detergent Regulation 648/2004/EC.

SECTION 1: Identification of the substance/ mixture and of the company/ undertaking

1.1 Product identifier:

Green Clean Low Carbon Bike Cleaner.
Also called Green Clean Bike Cleaner.
Also previously known as Green Clean Ecological Bike Cleaner.

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

As general bicycle cleaner.
Designed to be sprayed on, then washed off to remove mud from a bicycle.

1.3 Details of the Supplier of the Safety Data Sheet: Manufacturer / Supplier

Green Oil UK Ltd,
Unit S7,
The Old Granary,
245 Coldharbour Lane
Brixton
London
SW9 8RR
United Kingdom
Info@GreenOil.cc
+44 (0)20 7274 8725
Office hours: 0900 - 1800 GMT.

International Distributors / Suppliers:

Australia: EuroCycles, Unit 21, 2 Chaplin Drive, Lane Cove NSW 2066 Australia. +61 2 9420 9480. info@euro-cycles.com.au

Belgien: Bike2Business BV, Pazzanistraat 41, 1014 DB Amsterdam, Netherlands. +31 (0) 20 70 52 350. info@qicq.nl

Ceská Republika: TL Sport UK Ltd, 66 Dunnock close, London, N9 8UD, +447785944206 info@TLsportuk.com.

Danmark: X-Bike.dk, Mike Froberg, Ditzelsvej 5, 8450 Hammel, Denmark 52704300 info@x-bike.dk.

Deutschland: JBS GmbH & Co. KG, Ernst-Abbe-Str. 28, 52249 Eschweiler, Deutschland, Telefon: +49 2403- 78 36 21. info@JBSTrading.de

España: Cultbikes Racing S.L, PG STA. Maria Park C. Maeresma No.2, 08460, STA. Maria De Palautordera, Barcelona. 607 03 49 13. Info@CultbikeRacing.com.

Latvija: Gandrs, Kalnciema str, 28, Riga, LV - 1046. gandrs@gandrs.lv. + 371 67 614 775.

Luxembourg: Bike2Business BV, Pazzanistraat 41, 1014 DB Amsterdam, Netherlands. +31 (0) 20 70 52 350. info@qicq.nl

Magyarország: Bike Planet, Hungary, BIKE PLANET KFT, 1211 Budapest, Központi út 21-33. Tel/Fax: +36-1-276-2199. info@bikeplanet.hu.

Netherlands: Bike2Business BV, Pazzanistraat 41, 1014 DB Amsterdam, Netherlands. +31 (0) 20 70 52 350. info@qicq.nl

Norge: Sykkelkomponenter, Østre Tveit, 5647 Baldersheim, Norway. 48 23 92 1. info@sykkelkomponenter.no

Россия: Bike Russia: 197198, Sankt-Petersburg, B. Pushkarckaia 20, Russia. OPT@Bike-Russia.Ru. +7 812 449-07-65.

Polska: 7Anna, sp. z o.o. sp. k, ul. Raciborskiego 123, 80-215 Gdańsk, NIP 957-104-26-05, Regon 221084187. Tel: 58 520 18 04 info@7anna.com.pl. □ **Portugal:** Outside Sports Comércio de Artigos Desportivos, Lda, Rua António Leal da Ascensão 18 A /, Torres Vedras, Portugal. sales@OutsideSports.pt.

România: Black Market Bikes: mun. Oradea, str. Aluminei, nr 24, bl. PC 82, ap. 1, jud: Bihor. info@Black-Market.ro. 40746527869

Singapore: Little Bike Shop, 218 Loyang Avenue #01-04, 509066, Singapore. +65 9848 4090. contact@stridersingapore.com

South Africa: Cutting Edge Marketing cc, PO Box 1965, Faerie Glen, 0043. info@cuttingedgesa.co.za. 0825 633 698

Switzerland: Indian Summer Ltd, Seestrasse 321B, 8804 Au ZH, Switzerland. mail@indiansumer.ch. 43 499 03 43.

Singapore: YB SPORTS CO Ltd. bb5rg@naver.com. 82 2 6401 9770.

Suomi: Power Factory, Uimonen Trading OY, Kaskimäenkatu 7, 33900 Tampere, Finland, info@uimonen.fi. 03-2656 700

New Zealand: Bikes International, 38 Airpark Dr, Mangere 2022, Auckland, New Zealand. +64 9 267 1245. Info@bikesinternational.co.nz

United States of America: Zeitbike LLC, 298 Dalton Street, Ventura CA 93003. 312.375.3275. Info@Zeitbike.com. (National Poison Line: 1-800-222-1222)

United Kingdom: i-ride 7-8B, (Jim Walker Ltd) 7-8B Mid Sussex Business Park, Ditchling Common Ind. Est, Folders Lane East, Ditchling, Sussex, BN6 8SE United Kingdom. 01444 243 00. info@i-ride.co.uk.

And Green Oil UK Ltd, Unit S7, The Old Granary, 245 Coldharbour Lane, SW9 8RR, United Kingdom. 020 7274 8725. info@greenoil.cc. Office hours: 0900: 1800

Section 2: Hazards identification

2.1 Classification of the substance or mixture:

H315 + H320	Causes skin and eye irritation
H317	Contains d-Limonene. May cause an allergic skin reaction

2.2 Label elements



Signal word:

Warning

Hazard Statements:

H315 + H 320	Causes skin and eye irritation
H317	Contains d-Limonene. May cause an allergic skin reaction

Prevention:

P102	Keep out of reach of children
P233	Keep container tightly closed

Response:

P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.
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Disposal:

P501	Dispose of contents to compost bin or suitable waste disposal facility. Dispose of bottle to PET recycling bank and cap to land fill or plastic recycling which takes type 7 'mixed' plastic.
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2.3 Other hazards

Contains extremely low quantity of d-limonene, within orange sinensis orange peel extract used. CAS number 8028-48-6.
May cause allergic skin reaction.

This product has been tested to be carbon fibre safe.

Section 3: Composition / information on ingredients

3.1 Non hazardous ingredients

% Weight	Name	Classification according to Regulation (EC) No 1278/2008 (CLP).
Over 10%	Water	NA
Less than 10%	Vegetable glycerine	NA
Less than 1%	Indigo	NA
Less than 1%	Sodium Chloride	NA

Section 3.2: Hazardous ingredients:

CAS number	% Weight	Name	Classification according to Regulation (EC) No 1278/2008 (CLP).
68585-34-2	1% - 5%	Anionic Surfactant	H315 H320
8051-30-7	1% - 5%	Nonionic Surfactant	H315 H318
8028-52-9	<5%	Organic fermented apple extract / apple cider vinegar.	H319
1310-73-2	0.1% - 1%	Sodium Hydroxide	H290
8028-48-6	<0.1%	Orange sinensis (sweet orange extract)	H315 H304 H317

Note: H Phrases apply to ingredients separately at 100% volume, not necessarily to end product, as each substance is diluted.

Section 4: First Aid Measures

4.1 Description of first aid measures

General notes

Following inhalation: Seek medical attention if fluid is inhaled. No medical attention necessary if just vapour from fluid is inhaled. However, if headache, nausea or drowsiness occurs, go to fresh air.

Following skin contact: Wash with water.

Following eye contact: Rinse eye with slow flowing cool water for 1 minute, or with eye wash according to eye wash instructions.
If skin rash or eye irritation persist, get medical attention and show them product packaging.

Following ingestion: Do not induce vomiting.
Give effected individual two glasses of water to drink in their own time.

Self-protection of the first aider: Take normal, reasonable precautions.

Precautionary phrases

P102	Keep out of reach of children
P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.

4.2 Most important symptoms and effects

Ingestion may cause nauseous feeling.

4.3 Indication of any immediate medical attention and special treatment needed

See section 4.1 above.

Section 5: Firefighting measures

5.1 Extinguishing media

All extinguishing media can be used.

Unsuitable extinguishing media: None

5.2 Special hazards arising from the substance or mixture

None

5.3 Advice or fire-fighters.

Product is readily biodegradable. In waterways product will biodegrade.

Product can be dispersed with water, and is water soluble, and water based.

Section 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures.

Wear latex, or neoprene gloves when using.

6.1.1 For non-emergency personnel

Protective gloves should be worn whilst clearing up the spill.

6.1.2 For emergency responders

No special precautions required

6.2 Environmental precautions:

If spilt in vast quantities, use sand or soil to absorb.

Biodegradable and not environmentally hazardous in normal use.

6.3: Methods and material for containment and cleaning up

6.3.1 For containment:

Generally a consumer may spill up to 1 litre from a single bottle.

This advice is only relevant if a large number of bottles are damaged, and a vast quantity of product spilled:

Bunding, soil or sand may be used to contain a spill.

6.3.2 For cleaning up:

For containment:

Neutralising techniques: Use water, sand or soil

Decontamination techniques: Use water to remove from skin.

Use water to wash away from roads.

Absorbent materials: sand or soil

For cleaning up:

Vacuuming techniques: Product should not be sucked up with a vacuum cleaner, unless dry and mixed with sand.

Clothing should be washed with normal washing powder after contamination.

Section 7: Handling and storage

7.1.1 Latex or neoprene gloves are recommended for prolonged use or extended contact with product. Wear goggles if there is any risk of splashing.

7.1.2 Advice on general occupational hygiene:

Do not eat whilst using this product.

7.2.1 Store with lid tightly secured. Store in a cool but frost free place. Keep out of the reach of children.

7.2.2 Keep away from: children

7.3 Specific end uses: See instructions on bottle and section 1.2.

Section 8: Exposure controls/ personal protection

8.1 Control parameters

8.1.1.1-4 National exposure limits for hazardous substances within the mixture: None applicable.

8.1.2 Recommended monitoring procedures: Not applicable

8.1.3 Air contaminants: No air contaminants are formed, see tables in: 8.1.1.1

8.1.4 Derived No Effect Levels (ENEL/DMEL) Table (DNELs)

Substance: Anionic surfactant CAS: 68585-34-2								
	Workers				Consumers			
Route of exposure	Acute effect local	Acute effects systemic	Chronic effects local	Chronic effects systemic	Acute effects local	Acute effects systemic	Chronic effects Local	Chronic effects systemic
Oral	Not required					Hazard identified but no DNEL available	Hazard identified but no DNEL available	Hazard identified but no DNEL available
Inhalation	No hazard identified	No hazard identified	No hazard identified	No hazard identified	Hazard identified but no DNEL available	Hazard identified but no DNEL available	Hazard identified but no DNEL available	Hazard identified but no DNEL available
Dermal	Hazard identified but no DNEL available	Hazard identified but no DNEL available	Hazard identified but no DNEL available	Hazard identified but no DNEL available	Hazard identified but no DNEL available	Hazard identified but no DNEL available	Hazard identified but no DNEL available	Hazard identified but no DNEL available

Substance: Nonionic Surfactant CAS: 8051-30-7								
	Workers				Consumers			
Route of exposure	Acute effect local	Acute effects systemic	Chronic effects local	Chronic effects systemic	Acute effects local	Acute effects systemic	Chronic effects Local	Chronic effects systemic
Oral	Not required					Hazard identified but no DNEL available	Hazard identified but no DNEL available	Hazard identified but no DNEL available
Inhalation	Hazard identified but no DNEL available	Hazard identified but no DNEL available	Hazard identified but no DNEL available	Hazard identified but no DNEL available	Hazard identified but no DNEL available	Hazard identified but no DNEL available	Hazard identified but no DNEL available	Hazard identified but no DNEL available
Dermal	Hazard identified but no DNEL available	Hazard identified but no DNEL available	Hazard identified but no DNEL available	Hazard identified but no DNEL available	Hazard identified but no DNEL available	Hazard identified but no DNEL available	Hazard identified but no DNEL available	Hazard identified but no DNEL available

Substance: Orange, sweet (orange sinenthis)
CAS: 8028-48-6

	Workers				Consumers			
Route of exposure	Acute effect local	Acute effects systemic	Chronic effects local	Chronic effects systemic	Acute effects local	Acute effects systemic	Chronic effects Local	Chronic effects systemic
Oral	Not required					Hazard identified but no DNEL available	Hazard identified but no DNEL available	Hazard identified but no DNEL available
Inhalation	Hazard identified but no DNEL available	Hazard identified but no DNEL available	Hazard identified but no DNEL available	(DNEL) 31.1 mg/m ³	Hazard identified but no DNEL available	Hazard identified but no DNEL available	Hazard identified but no DNEL available	(DNEL) 7.78 mg/m ³
Dermal	Hazard identified but no DNEL available	Hazard identified but no DNEL available	Hazard identified but no DNEL available	(DNEL) 8.89 mg/kg bw/day	Hazard identified but no DNEL available	Hazard identified but no DNEL available	Hazard identified but no DNEL available	(DNEL) 4.44 mg/kg bw/day

Anionic Surfactant

Environmental protection target	PNEC
Fresh Water	No hazard identified
Fresh water sediments	No hazard identified
Marine water	No hazard identified
Marine sediments	No hazard identified
Food chain	No hazard identified
Microorganisms in sewage treatment	No hazard identified
Soil (agriculture)	No hazard identified
Air	No hazard identified

Nonionic Surfactant

Environmental protection target	PNEC
Fresh Water	No hazard identified
Fresh water sediments	No hazard identified
Marine water	No hazard identified
Marine sediments	No hazard identified
Food chain	No hazard identified
Microorganisms in sewage treatment	No hazard identified
Soil (agriculture)	No hazard identified
Air	No hazard identified

Sodium Hydroxide

Environmental protection target	PNEC
Fresh Water	No hazard identified
Fresh water sediments	No hazard identified
Marine water	No hazard identified
Marine sediments	No hazard identified
Food chain	No hazard identified
Microorganisms in sewage treatment	No hazard identified
Soil (agriculture)	No hazard identified
Air	No hazard identified

Orange sinensis 'Sweet Orange' orange peel extract

Environmental protection target	PNEC
Fresh Water	5.4 µg/L
Fresh water sediments	1.3 mg/kg sediment dw
Marine water	540 ng/L
Marine sediments	130 µg/kg sediment dw
Food chain	No potential to cause toxic effects if accumulated (in higher organisms) via the food chain
Microorganisms in sewage treatment	2.1 mg/L
Soil (agriculture)	261 µg/kg soil dw
Air	No hazard identified

8.2 Exposure Controls

8.2.1 Appropriate engineering controls

No specific engineering controls are required

8.2.2 Individual protection measures, such as personal protective equipment.

Wear latex, or neoprene gloves when using in case of contact with sharp edges and toxic lubricants whilst bike cleaning.

8.2.2.1 Personal protective equipment for fire control

See section 5.

8.2.2.2. Protection equipment:

- (a) Eye protection: Safety glasses or goggles may be worn to inhibit contact with eyes where splashing might occur.
- (b) Hand protection: Latex, or neoprene gloves are recommended if using this product for extended periods for those with sensitive skin.
- (c) Respiratory protection: Not required
- (d) Thermal hazards: No thermal hazards applicable.

8.2.3 Environmental exposure controls

Product is biodegradable within 28 days, and water soluble.
However, avoid release into the environment. Any non water product released in excess can lead problems like eutrophication.

Section 9: Physical and chemical properties

9.1 Information on the basic physical and chemical properties.

- (a) **Appearance:** Light blue soapy-like liquid.
- (b) **Odour:** Sweet with hint of orange.
- (c) **Odour threshold;** No information available
- (d) **pH:** 5
- (e) **Melting point/ freezing point:** No information available
- (f) **Initial boiling point and boiling range:** No information available
- (g) **Flash point:** No information available
- (h) **Evaporation rate:** No information available
- (i) **Flammability (solid, gas):** Non-flammable
- (j) **Flammability limits**
Upper: No data available
Lower: No data available
- (k) **Vapour pressure:** No information available
- (l) **Vapour density:** No information available
- (m) **Relative density:** 1.03 Kg/L (at 20°C)
- (n) **Solubility(ies):** Complete in water
- (o) **Partition Coefficient:** No information available
- (p) **Auto-ignition temperature:** Aqueous product: not applicable.
- (q) **Decomposition temperature:** No information available
- (r) **Viscosity;** No information available
- (s) **Explosive properties:** None
- (t) **Oxidising properties:** None

9.2 Other information

None

Section 10: Stability and Reactivity

10.1 Reactivity

None under normal conditions.

10.2 Chemical stability

Stable under normal conditions of storage, handling and use.

Normal shelf life tested: 3 years in enclosed bottle.

10.3 Possibility of hazardous reactions

Do not mix with other cleaning products.

10.4 Conditions to avoid

Temperature extremes, store at >0°C and <40°C.

10.5 Incompatible materials

Potentially, other cleaning products.

10.6 Hazardous decomposition products

Hazardous decomposition products from combustion only, include carbon dioxide, carbon monoxide and possibly other unidentified organic compounds.

Product is fully biodegradable producing carbon, CO₂, and minerals which can be absorbed by plants.

11: Toxicological information

11.1 Information on toxicological effects

(a) Acute toxicity; No data available

(b) Irritation; Irritating to eyes. Prolonged contact with product may cause de-fatting or slight irritation. Can cause skin irritation through skin drying and dermatitis.

(c) Corrosivity; Not corrosive. Not considered to be corrosive for metals and glass.

(d) Sensitisation; Sensitizer on some skin types due to d-limonene within orange sinensis extract used. Can cause dry ness of skin with repeated exposure to skin through defatening.

(e) Repeated dose toxicity; On ingestion, may cause stomach ache, diarrhoea, nausea and vomiting. Nauseous sensation and possible vomiting, the same affect as consuming alcohol.

(f) Carcinogenicity; Not carcinogenic

(g) Mutagenicity; Not a Mutagen

(h) Toxicity for reproduction; Not toxic for reproduction.

Section 12: Ecological information

12.1 Toxicity:

No data available

12.2 Persistence and degradability

The raw materials in this product comply with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. The product is readily biodegradable under normal conditions.

12.3 Bio accumulative potential

No bioaccumulation, potential

12.4 Mobility in soil. Not mobile in soil due to viscous nature, and water solubility.

12.5 Results of PBT and vPvB assessment:

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

12.6 Other adverse affects: No petrochemical ozone creation potential, ozone depletion potential, endocrine disrupting potential or global warming potential applies to this product

SDS Section 13: Disposal considerations

13.1 Waste treatment methods

13.1.1 Product packaging disposal:

Return empty bottles to Green Oil UK Limited for 10p deposit
Rinse and recycle! Rinse contents with water before recycling.

Bottle Body: Plastic type High Density Polyethylene.

Bottle material code:



Plastic cap: Random due to cap being reclaimed. Usually HDPE.

Cap material code:



Trigger Spray: 100% plastic, but mixed plastic, so not usually recycled.

Trigger spray code:



13.1.2 Waste treatment-relevant information:

Fluid can be disposed of in sealed bottle to land fill, or in an industrial or home composting facility as the formula is biodegradable.

13.1.3 Sewage disposal-relevant information: Product can be disposed of with normal sewage, though due to the

13.1.4 Other disposal recommendations:

Always follow local government, national and federal regulations where applicable.

Section 14: Transport Information

This product is not classed as hazardous for transportation

Section 15: Regulatory information

This SDS has been created in compliance with REACH EC No 1907/2006 and Detergent Regulation 648/2004/EC. It follows the CLP Regulation (EC) No 1272/2008 in accordance with Globally Harmonized System of Classification and Labelling of Chemicals (GHS).

This Safety Data Sheet also complies with OSHA in the USA and local national laws aligned with United Nations GHS (Globally Harmonized System of Classification and Labelling of Chemicals).

None of the substances within this mixture are Substances of Very High Concern (SVHCs) within Reach.

This product, nor the contents are covered or restriction by Regulation (EC) No 649/2012, or Regulation (EC) No 1005/2009 on ozone layer depletion.

Section 15.1:

Safety, health and environmental regulations specifically for substance or mixture.

Deutschland:

Wassergefährdungsklassen: nwg, nicht wassergefährdende

France:

Aucun ingrédient avec le produit sont en taleaux de maladies professionnelles
(<http://www.inrs-mp.fr/>)

Neederland:

Geen ingrediënten op lijst van kankerverwekkende, mutagene, en voor de voortplanting giftige stoffen SZW.

15.2 Chemical Safety Assessment

Chemical Safety Assessments have been carried out for all hazardous parts of this mixture and this safety data sheet and data within is based upon these.

No Volatile Organic Compounds (VOCs) are produced by this product.

USA OSHA Hazards :

Moderate eye irritant

EPCRA - Emergency Planning and Community Right-to-Know Act

None of the substances used in this product are covered by EPCRA in these quantities.

CERCLA Reportable Quantity.

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards: None

SARA 302 : SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313: SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Clean Air Act

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM Intermediate or Final VOC's (40 CFR 60.489).

Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. Clean Water Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. Clean Water Act, Section 311, Table 117.3.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307.

US State Regulations

Massachusetts Right To Know Act. No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know: See section 3.1.

California Prop 65:

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

United States TSCA Inventory:

No ingredients are on the TSCA inventory

Canadian Domestic Substances List (DSL):

All substances in this product are included in the Canadian Domestic Substance List, the list of all chemicals manufactured in or imported into Canada.

Section 16: Other Information

16.1 This revised Safety Data Sheet was published on Published 1st June 2015 in compliance with CLP Regulation (EC) No 1272/2008, Detergent Regulation 648/2004/EC. and in accordance with Globally Harmonized System of Classification and Labelling of Chemicals (GHS). This version supersedes all previous versions.

(a) Additional information

Risk, Safety and Hazard phrases relevant to the raw materials contained in this product as per section 3:

H290 May be corrosive to metals. Causes severe skin burns and eye damage

H304 May be fatal if swallowed and enters airways

H315, Causes skin irritation

H320, Causes eye irritation

H315, Causes skin irritation

H317 May cause an allergic skin reaction

H318, Causes serious eye damage

H319 Causes serious eye irritation.

(b) Acronyms.

MSDS = Material Safety Data Sheet.

SDS = Safety Data Sheet.

GHS = Globally Harmonized System of Classification and Labelling of Chemicals.

(c) References

*Page.6 Dr Filipsson *et al*, *Concise International Chemical Assessment Document 5, LIMONENE*. Geneva: World Health Organization.

(d) Methodology

Methodology for this Safety Data Sheet is in accordance with EC No 1972/2008. Many figures have been obtained and calculated from Safety Data Sheets of Each substance. EHCA (European Chemicals Agency) databases have been utilized, along with those of the US Environmental Protection Agency, the Canadian Government and the British Health and Safety Executive. This list is not exhaustive.

Classification procedure for all Hazard Phrases for all substances, and by that, this product according to Regulation (EC) Nr. 1272/2008 is based on data and of the European Chemicals Agency and expert judgement.

Disclaimer:

This information is based upon the present state of our knowledge.
This SDS has been compiled and is solely intended for this product.