

**1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY**

Product name : **TYRE MARKING INK**
 Product code : 165.0050.XXXX t/m 165.0500.XXXX
 Application : Marking ink. Professional use.

Supplier : ATL Coatings
 Address : PO Box 54
 7550 AB Hengelo, The Netherlands
 Telephone number : +31 (0)74-3491764
 Fax number : +31 (0)74-8511786

E-mail : info@atlcoatings.nl

EMERGENCY TELEPHONE NUMBER, for DOCTORS/FIRE BRIGADE/POLICE only:

Telephone number : +31 (0)74-3491764 (during office hours only)

2 HAZARDS IDENTIFICATION

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Classification : Flammable and dangerous for the environment.
 Human health hazards : Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness. Contains petroleum distillates, may be harmful when ingested. May produce an allergic reaction.
 Physical/chemical hazards : Flammable.
 Environmental hazards : Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
 Other information : Keep out of reach of children. If swallowed, seek medical advice immediately and show this container or label.

3 COMPOSITION / INFORMATION ON INGREDIENTS

Product description : Preparation.

Information on hazardous substances:

EC-name	Concentration (w/w) (%)	CAS-number	EC-number	Symbol	R phrases
Naphtha petroleum, hydrotreated heavy	50 – 75	64742-48-9	265-150-3	Xn	10-65-66-67
Isotridecanol, ethoxylated, phosphated, compound with N,N-dimethylcyclohexane-amine	5 – 10	164383-18-0	-----	Xi, N	36/38 - 51/53
Octane	1 – 5	111-65-9	203-892-1	F, Xn, N	11-38-50/53-65-67
Zinc oxide	0,1 – 1	1314-13-2	215-222-5	N	50/53
N-tert-butylbenzothiazole-2-sulphenamide	0,1 – 1	95-31-8	202-409-1	Xi	43

Reference is made to chapter 16 for full text of each relevant R phrase. Occupational exposure limit(s), if relevant, are listed in section 8.

4 FIRST-AID MEASURES

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Effects and symptoms

Inhalation : May cause headache, drowsiness, dizziness and a feeling of sickness.
 Skin contact : May cause redness and sensitisation. Repeated exposure may cause skin dryness or cracking.
 Eye contact : May cause stinging of eyes and redness.
 Ingestion : May cause a feeling of sickness, vomiting, stomachache and diarrhoea.

First aid measures

Inhalation : Move victim into fresh air. Seek medical advice.
 Skin contact : Take off contaminated clothing. Wash off skin with plenty of water and soap before product dries up. Consult a doctor if irritation persists.
 Eye contact : Wash out with (luke warm) water for at least 15 minutes. Remove contact lenses. Consult a doctor if irritation persists.



Ingestion : Do not induce vomiting. Give nothing to drink. Consult a doctor.

5 FIRE-FIGHTING MEASURES

Extinguishing media
 Suitable : CO₂, foam, water fog or dry chemical.
 Not suitable : Water jet
 Special exposure hazards : None known
 Hazardous thermal (de)composition products : Carbon monoxide may be evolved if incomplete combustion occurs.
 Special protective equipment for fire-fighters : Use adequate respiratory equipment in case of insufficient ventilation.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions : Danger of slipping. Clean up spills immediately. Wear shoes with non-slip soles. Keep away from sources of ignition. See also section 8.
 Environmental precautions : Avoid release of product into sewers, surface and ground water causing pollution of the aquatic environment.
 Methods for cleaning up : Collect spilled material in containers. Absorb residues in sand or other inert material. Dispose at an authorised waste collection point. Clean contaminated surface preferably with a cleaner; avoid use of solvents.

7 HANDLING AND STORAGE

Handling : Handle in accordance with good occupational hygiene and safety practices in well-ventilated areas. Keep away from sources of ignition - No smoking. Electrostatic discharge may cause fire. Ensure electrical continuity by bonding and grounding (earthing) all equipment. Avoid contact with eyes and skin. Do not inhale vapours.
 Storage : Keep frost-free, in a cool, dry and well-ventilated place (< 35 °C) separated from oxidizing substances. Protect from sunlight.
 Recommended packaging : Keep only in the original container.
 Use : Use only as directed.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering measures : Use only in well-ventilated areas. Comply with standard precautionary measures for working with chemicals.
 Hygienic measures : Do not eat, drink or smoke during use.
 Occupational exposure limits : Occupational exposure limits have not been established for this product.

Workplace exposure limits (mg/m³):

Chemical name		EC	UK		CEFIC-HSPA advice
Naphtha petroleum, hydrotreated heavy	TWA 8 hour	116	-	-	350
	STEL 15 min	290	-	-	-

Personal protective equipment:

The efficiency of personal protective equipment depends among other things on temperature and degree of ventilation. Always get professional advice for the particular local situation.

Body protection : Use of specific protective industrial clothing is not required under normal conditions of use. See also under additional information.
 Respiratory protection : Take care of sufficient ventilation. Wear a gas filter type A (brown), class I or higher on e.g. a facemask in accordance with EN 140, in case of large scale exposure
 Hand protection : Under normal conditions of use specific gloves are not required. See also under additional information.
 Eye protection : Wear appropriate safety glasses when there is danger of possible eye contact.

Additional information:

Protective clothing : In case of large scale exposure wear PVA protective clothing, overalls or suit, and similar boots in accordance with EN 365/367 resp. 345.



Safety gloves : Wear PVA gloves in accordance with EN 374, in case of frequent or prolonged use and in case of large scale exposure. Indication of permeation breakthrough time: Indication of permeation breakthrough time: not permeable (Naphtha (petroleum), hydrodesulfurized heavy)

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Liquid
 Colour :
 Odour : Characteristic
 pH : Not applicable
 Solubility in water : Not soluble
 Solubility in fat : Soluble
 Partition coefficient (n-octanol / water) : Not known
 Flash point : 24 °C (PMcc)
 Auto ignition temperature : Not applicable
 Boiling point/ boiling range : 140 °C
 Melting point/ melting range : Not known
 Explosive properties : 0,6 Lower explosion limit in air
 7 Upper explosion limit in air
 Oxidizing properties : Not applicable
 Decomposition temperature : Not applicable
 Viscosity (40°C) : Not known Viscosity (20°C): 155 sec. Ford cup 6 mm
 Vapour pressure (20°C) : Not known
 Relative density (20°C) : 0,9 g/ml
 Evaporation rate : < 1 (n-butyl acetate = 1)

10 STABILITY AND REACTIVITY

Stability : Stable under normal conditions.
 Conditions to avoid : See section 7.
 Materials to avoid : Keep away from oxidizing substances.
 Hazardous decomposition products : None known.

11 TOXICOLOGICAL INFORMATION

No toxicological research has been carried out on this product.

Inhalation : Vapours may cause drowsiness and dizziness. Stinging of respiratory airways possible when vapour concentrations exceed threshold limits.
 Skin contact : Because of its defatting properties prolonged and repeated exposure may cause skin dryness and cracking.
 Eye contact : Slight irritation possible.
 Ingestion : Ingestion may cause vomiting, nausea and diarrhoea. After ingestion, at vomiting, risk of aspiration in the lungs.

Toxicological information:

Chemical name	Toxicity (mg/kg or mg/m ³) Irritation	Sensitization
Naphtha (petroleum), hydrodesulfurized heavy LC	LD ₅₀ : > 15000 (rat, oral) LD ₅₀ : > 3000 (rabbit, dermal) 50: > 2800 (rat, inh.)	Non-irritant (skin) Non-irritant (eyes)
N-tert-butylbenzothiazole-2-sulphenamide		Sensitizing

12 ECOLOGICAL INFORMATION

No ecotoxicological research has been carried out on this product.

Ecotoxicity : Harmful to aquatic organisms. May form an oil film on the water surface causing a decline in oxygen content with possible adverse effects for aquatic organisms.
 Mobility : Spilled product can penetrate into the ground and get into the ground water and surface water thus polluting ground and surface water.
 Persistence – degradability : No data available on biodegradation. May cause long-term adverse effects in the aquatic



environment.
Bio accumulative potential : No specific data available.

Ecotoxicological information:

Chemical name	Toxicity (mg/l) Log	P(ow)	BCF	Degradability
Zinc oxide	LC ₅₀ : 1,1 (fish) EC ₅₀ : 0,17 (daphnia)	-		Not applicable.
Isotridecanol, ethoxylated, phosphated, compound with N,N-dimethylcyclohexane-amine	LC ₅₀ : 1 - 10 (fish)			Not applicable.

13 DISPOSAL CONSIDERATIONS

Product residues : Do not dispose empty pack with regular household waste. Treat product residues and non-empty pack as hazardous waste.
European waste catalogue : Dispose hazardous waste in accordance with Directive 91/689/EEC under acknowledgement of a waste code according to Commission Decision 2000/532/EC to an official chemical waste depot.
Comment : Attention is drawn to the possible existence of mandatory and regulatory communal, national or local requirements governing disposal of waste.

14 TRANSPORT INFORMATION

UN number : None
Transport name : Not regulated.
Land - Road/Railway
ADR/RID class : This product is not classified according to ADR/RID.
Water
IMDG class : This product is not classified according to IMDG.
Marine pollutant : No
Air
IATA class : This product is not classified according to IATA.

15 REGULATORY INFORMATION

Community regulations : EC classification (67/548/EEC - 99/45/EC) and other regulations
Hazard symbols : None
R- and S-phrases : R10 Flammable.
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R66 Repeated exposure may cause skin dryness or cracking.
R67 Vapours may cause drowsiness and dizziness.
S2 Keep out of reach of children.
S46 If swallowed, seek medical advice immediately and show this container or label.
Other information : This product is exempted from classification as "Harmful: may cause lung damage if swallowed" on basis of point 3.2.3 of Annex VI of Directive 67/548/EEC.
The packaging shall carry the text:
Contains: N-tert-butylbenzothiazole-2-sulphenamide. May produce an allergic reaction.

16 OTHER INFORMATION

The information in this safety data sheet is compiled in compliance with Regulation (EC) 1907/2006 dated 18 December 2006 and accurate to the best of our knowledge and experience at the date of issue specified. It is the user's obligation to use this product safely and to comply with all applicable laws and regulations concerning the use of the product.
This safety data sheet complements the technical information sheets but does not replace them and offers no warranty with regard to product properties.

Users are also forewarned for any hazards involved when the product is used for other purposes than those for which it is designed.



Changed or new information with regard to the previous release is indicated with an asterisk (*).

Full text of R-phrases mentioned in section 3:

R10	Flammable.
R11	Highly flammable
R38	Irritating to skin.
R43	May cause sensitisation by skin contact.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65	Harmful: may cause lung damage if swallowed.
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapours may cause drowsiness and dizziness.

History

Date of first issue : 29-04-2009

Date of second issue : 07-05-2009

Herewith all previous issues are expired.