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SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier:

Trade name: **TYRE PAINT
TYRE BLACK**

Article number: 593-5100

UFI number: AY10-Y0JM-X00F-8ME0

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

1.2.1. Relevant identified uses

Tyre paint. For professional use only

1.2.2. Uses advised against

Other than listed in section 1.2.1. Consumer use.

1.3. Details of the supplier of the safety data sheet:

TIP-TOPOL Sp. z o.o.

Address: ul. Kostrzyńska 33; 62 010 Pobiedziska, Poland

Tel.: +48 061 815 22 00

Fax: +48 061 185 22 22

Person responsible for MSDS, e-mail: tiptopol@tiptopol.pl

1.4. Emergency telephone number:

Producent emergency telephone: +48 61 815 22 00 (Monday – Friday at hours 8.00 – 16.00)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture:

According to the Regulation (WE) no 1272/2008 (as amended)

Eye Irrit. 2 – Serious eye damage/eye irritation, Hazard Category 2 with assigned phrase stating the type of hazard:

H319 Causes serious eye irritation

Skin Sens. 1 – Skin sensitisation, Hazard Category 1 with assigned phrase H stating the type of hazard:

H317 May cause an allergic skin reaction

Aquatic Chronic 3 – Hazardous to the aquatic environment, CHRONIC, Hazard Category 3 with assigned phrase H stating the type of hazard:

H412 Harmful to aquatic life with long lasting effects

Physical/chemical hazards: product isn't classified as hazardous

Health hazards: product is classified as hazardous to health, skin sensitizing, irritating to eyes

Environmental Hazards: product is classified as hazardous to environment, harmful to aquatic life with long lasting effects

2.2. Label elements:

Pictogram:



GHS 07

Signal Word: Warning

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Hazard statements:

H317 May cause an allergic skin reaction
 H319 Causes serious eye irritation
 H412 Harmful to aquatic life with long lasting effects

Precautionary Statement:
General:

-

Prevention:

P264 Wash hands after use
 P273 Avoid release to the environment
 P280 Wear protective gloves/protective clothing/eye protection/face protection

Response:

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

Storage:

P405 Store locked up

Disposal:

P501 Dispose of contents/container in accordance with local/regional/national/international regulation

Hazardous components: 1,2-benzisothiazol-3(2H)-one

UFI number: AY10-Y0JM-X00F-8ME0

2.3. Other hazards:

The mixture doesn't meet the criteria for PBT or vPvB in accordance with Annex XIII of REACH Regulation.
 The mixture doesn't contain SVHC substances at a concentration equal to or greater than 0,1 % by weight
 The mixture doesn't contain substances identified as having endocrine disrupting properties at a concentration equal to or greater than 0,1 % by weight.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS
3.1. Substances

Not applicable

3.2. Mixtures

The product is a mixture. Content: hazardous components listed below, additives not classified as hazardous or at concentration below applicable concentrations or specific concentration limits.

The classification of hazardous substances contained in the product is given in Table 3 of Annex VI to the Regulation of the European Parliament and Council Regulation (EC) No 1272/2008 including its amends, REACH data, the manufacturer and available literature data.

No CAS	No EC	Index number	REACH registration number	Chemical name	Quantity	Hazard Class and Category Code(s)	Hazard statement Code(s)
1333-86-4	215-609-9	not assigned	01-2119384822-32-xxxx	carbon black*,**	10 – 20 % w/w	-	-
2634-33-5	220-120-9	613-088-00-6	01-2120761540-60-XXXX	1,2-benzisothiazol-3(2H)-one**	< 2 % w/w	Acute Tox. 4 (oral), Acute Tox. 2 (inh), Skin Irrit. 2, Eye Dam. 1, Skin Sens. 1, Aquatic Acute 1, Aquatic Chronic 1	H302, H315, H317, H318, H330, H400, H410

* Substance for which there are Community workplace exposure limits

** Classification of substance is acc. to producer and REACH data

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Specific concentration limit / ATE value for hazardous components:

1,2-benzisothiazol-3(2H)-one CAS no 2634-33-5:

specific concentration limit to classify product as Skin Sens. 1 (H317) is: $C \geq 0,05 \%$

M-factor for environment hazardous substance (CAS no 2634-33-5)

Acute hazard: $M = 1$

Chronic hazard: $M = 1$

For the wording of the listed Hazard Class, Category Code(s), Hazard statement Code(s) refer to section 16.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General recommendations

In case of contact with a product provoking indisposition, immediately call a professional health service. Show the label from the safety data sheet to the doctor. Inform the doctor about the first aid given to the victim. Do not give anything orally to an unconscious person. Do not induce vomiting. If the victim vomits, turn him in a safe position to prevent the risk of choking on vomit.

Protection of first aid responders

Do not take any action that would pose a risk to anyone unless you are properly trained. If it is suspected that vapours are still present, the rescuer should wear a suitable mask or breathing apparatus. The product may pose a risk to the person providing artificial respiration to the injured person using the mouth-to-mouth method. Clothing contaminated with the product should be removed immediately.

Contamination of the skin: Remove contaminated clothing. Contaminated areas of the skin wash thoroughly with water with soap. In the case of persistent irritation or rash consult a doctor.

Contamination of the eye: Flush contaminated eyes with wide-open eyelids a continuous stream of water for about 15 minutes. In the case of persistent irritation consult an ophthalmologist.

Inhalation: If exposure, move victim to fresh air. Keep warm and quiet. Consult with doctor. Conscious person placed in a rest half seated, ensure calm and warm, unconscious person lay in the recovery position. If breathing is difficult, give oxygen, in the absence of breath use artificial respiration. Seek medical advice immediately.

Ingestion: Rinse mouth thoroughly with water. Do not induce vomiting. Contact with doctor immediately and show product label. If the victim vomits, lean it forward to minimize the risk of choking on vomit. Do not give anything orally to an unconscious person.

4.2. Most important symptoms and effects, both acute and delayed

Acute symptoms: in contact with eyes: high concentration of vapours or splashing into the eye may cause irritation of the mucous membranes of the eyes (burning, redness, tearing)

Delayed symptoms – contact of uncovered skin with the product may cause allergic symptoms

Effects of exposure – no data

4.3. Indication of any immediate medical attention and special treatment needed

Note to Physician: No specific antidote, treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media:

Suitable extinguishing agents: CO₂, powders and foams, water spray, sand

Extinguishing media which must not be used for safety reasons: a strong jet of water - risk of spreading fire and contamination of the surrounding area

5.2. Special hazards arising from the substance or mixture:

Thermal decomposition/combustion of the product may release carbon oxides, other harmful gases or

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fumes. Avoid inhalation of combustion products, pose a health risk. Product vapours are heavier than air.

5.3. Advice for fire-fighters: strictly apply the breathing apparatus and protective clothing for fire fighting or during clean-up work immediately after a fire in an enclosed or poorly ventilated areas.

General: inform about the fire, call the appropriate emergency services. Remove from the endangered area unauthorized persons, not involved in extinguishing the fire, order evacuation if necessary.

Additional notes: packaging which are not covered by the fire, exposed to fire or high temperature should be cooled by water from a safe distance and if possible removed from the hazardous area. Fire residues and contaminated waters dispose in according to applicable regulations. Do not introduce contaminated waters into drains.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Use personal protective equipment, especially respiratory protection in case of contact risk with vapour/fumes/aerosols of product. Avoid direct contact with releasing product. Avoid breathing vapours, contact product with eyes and skin. Provide adequate ventilation.

6.1.2. For emergency responders

See information in section 8

6.2. Environmental precautions

Do not allow to enter drains, groundwater, soil and open water courses.

6.3. Methods and material for containment and cleaning up

In case of container leakage, spillage of the product, protect the source of leak, pour the product into an empty container or place damaged container in an emergency one. Spilled liquid soak up with non-flammable, absorbent material (sand, diatomite, universal binders, etc.) gather in closed container for disposal and utilized. Perform clean-up work with adequate ventilation. Rinse contaminated surface with water and detergent.

6.4. Reference to other sections

Personal protective equipment – section 8

Waste disposal – section 13

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid direct contact with product, avoid vapour inhalation. Avoid contact with eyes and skin. Ensure adequate ventilation /exhaust in the workplace, prevent the formation of harmful concentrations of vapour in the air, work in well ventilated areas. Do not eat while working with the product. Observe good personal hygiene and wear protective clothing in accordance with information set out in section 8.

Industrial hygiene

- ensure good ventilation (overall and local exhausted ventilation),
- ensure place for eyes and skin rinsing,
- wash hands with soap and water before eating, smoking and after work,
- use general caution while working with chemical substances.

Special measures for protection against fire and explosion:

Not required

7.2. Conditions for safe storage, including any incompatibilities

Store only in the original packaging. Store in closed containers in a well-ventilated place, away from direct sunlight. Recommended storage temperature: 10 – 40°C.

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Open containers must be resealed and stored vertically to avoid leakage.

7.3. Specific end use(s)

See section 1.2.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational Exposure Limit Value (Poland):

Hazardous Ingredients	No CAS	LTCL mg/m ³	STCL, mg/m ³
carbon black*	1333-86-4	4	-

DNEL, PNEC value:

Not determined for product

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Use engineering controls to reduce air contamination to permissible exposure level.

General and local exhaust ventilation.

8.2.2. Individual protection measures, such as personal protective equipment

The need for and the selection of appropriate personal protective equipment should take into account the nature of the risk posed by the product, the conditions in the workplace and the handling of the product. Use protective equipment from reputable manufacturers.

a) Respiratory protection – under normal conditions, with sufficient ventilation, it is not necessary to require exposure to high concentrations of product vapours.

b) Hand protection – wear protective gloves made of: butyl rubber, neoprene, nitrile rubber, polyvinylchloride, thickness min. 0,7mm. The Breakthrough Time > 480 min. Material of gloves must be resistant to the product. As the product is a mixture of several substances, the resistance of material of gloves can not be calculated in advance and therefore has to be checked before use. From the manufacturer's advice should be obtained information about the time of the penetration of substances and such time must be respected. The Breakthrough Time indicated by the manufacturer must exceed the period during which the product is being used. It is recommended to change gloves and replace them immediately if you notice any signs of wear, damage (rupture, perforation) or changes in appearance (color, flexibility, shape).

c) Eye protection – protective glasses or goggles are required. In case of risk of splashes, full head and face protection is recommended when handling the product.

d) Skin protection – use protective clothing made of coated materials, antistatic materials, safety footwear

e) Thermal hazards – not applicable

EN standards for personal protective equipment

EN 140:1999/AC:2000 - Respiratory protective devices - Half masks and quarter masks - Requirements, testing, marking

EN 143:2021 - Respiratory protective devices - Particle filters - Requirements, testing, marking

EN 149:2001+A1:2009 Respiratory protective devices - Filtering half masks to protect against particles - Requirements, testing, marking

EN ISO 21420:2020 - Protective gloves - General requirements and test methods (ISO 21420:2020)

EN ISO 374-1:2017/A1:2018 - Protective gloves against dangerous chemicals and micro-organisms - Part 1: Terminology and performance requirements for chemical risks - Amendment 1 (ISO 374-1:2016/Amd 1:2018)

EN ISO 374-2:2020 - Protective gloves against dangerous chemicals and micro-organisms - Part 2: Determination of resistance to penetration (ISO 374-2:2019)

EN 16523-1:2015+A1:2018 Determination of material resistance to permeation by chemicals - Part 1: Permeation by potentially hazardous liquid chemicals under conditions of continuous contact

EN ISO 16321-1:2022 - Eye and face protection for occupational use - Part 1: General requirements (ISO 16321-1:2021)

EN ISO 16321-3:2022 - Eye and face protection for occupational use - Part 3: Additional requirements for mesh protectors (ISO 16321-3:2021)

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EN ISO 4007:2018 Personal protective equipment - Eye and face protection - Vocabulary

EN ISO 13688:2013 Protective clothing - General requirements

EN 14605:2005+A1:2009 Protective clothing against liquid chemicals - performance requirements for clothing with liquid-tight (Type 3) or spray-tight (Type 4) connections, including items providing protection to parts of the body only (Types PB [3] and PB [4])

EN ISO 20345:2022 - Personal protective equipment - Safety footwear (ISO 20345:2021)

EN 407:2020 Protective gloves and other hand protective equipments against thermal risks (heat and/or fire)

When the concentration of hazardous substances is fixed and known, the selection of personal protective equipment should be made taking into account the concentration of the substance present in a given workplace, exposure time, the activities performed by the employee and the recommendations given by the manufacturer of personal protective equipment. In an emergency situation or where the concentration in the workplace is not known, use personal protection isolating body (tight suit completed with isolating respiratory protective equipment.)

Applied personal protective equipment must meet the requirements acc. to Regulation (EC) 2016/425 of the European Parliament and of the Council of 9 March 2016 on personal protective equipment and repealing Council Directive 89/686/EEC.

Procedures monitoring concentrations of hazardous compounds in the air and air quality in the workplace - if they are available and appropriate for given workplace - in accordance with the relevant local or European Standards, taking into account the conditions prevailing in the place of exposure and appropriate measurement methodology adapted to the conditions of work.

8.2.3. Environmental exposure controls:

Do not allow to enter large amounts of product into ground water, sewage, waste water or soil.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

a) Physical state:	liquid
b) Colour:	black
c) Odour:	characteristic
d) Melting point/freezing point:	not determined
e) Boiling point or initial boiling point and boiling range:	> 100°C
f) Flammability:	no data
g) Lower and upper explosion limit:	not determined
h) Flash point:	not determined
i) Auto-ignition temperature:	not determined
j) Decomposition temperature:	not determined
k) pH:	6 – 8
l) Kinematic viscosity (40°C):	not determined
m) Solubility:	mixible with water
n) Partition coefficient n-octanol/water (log value):	not determined
o) Vapour pressure (20°C):	not determined
p) Density:	approx. 1 g/cm ³
q) Relative vapour density:	not determined
r) Particle characteristics:	does not apply

9.2. Other information

9.2.1. Information with regard to physical hazard classes: no data

9.2.2. Other safety characteristics

Explosive properties: no

Oxidising properties: no

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

Reacts with strong oxidants

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10.2. Chemical stability

Stable under normal conditions (see Section 7 - storage conditions)

10.3. Possibility of hazardous reactions

Does not apply

10.4. Conditions to avoid

Direct sunlight, overheating

10.5. Incompatible materials

Strong oxidants

10.6. Hazardous decomposition products

Under normal conditions of use are not known

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

a) Acute toxicity:

Acute Oral Toxicity LD50: no data for product

Acute Dermal Toxicity LD50: no data for product

Acute Inhalation Toxicity LC50: no data for product

Classification of acute toxicity of product was made by calculation method acc. to Annex I point 3.1.3.6

Acute toxicity of hazardous components:

Acute Oral Toxicity ATE: 459 mg/kg b.w. (regarding 1,2-benzisothiazol-3(2H)-one)

Acute Inhalation Toxicity ATE: 0,21 mg/dm³(mist) (regarding 1,2-benzisothiazol-3(2H)-one)

ATE value (calculated) after swallowing > 2000 mg/kg b.w. – product isn't classified as acute toxicity (swallowing) hazardous

ATE value (calculated) after skin contact > 2000 mg/kg b. w. – product isn't classified as acute toxicity (skin contact) hazardous

ATE value (calculated) after inhalation > 5 mg/dm³/4h (mist) – product isn't classified as acute toxicity (inhaled) hazardous

b) Skin corrosion/irritation: based on available data, the classification criteria are not met

c) Serious eye damage/irritation: based on available data, the classification criteria are not met

d) Respiratory or skin sensitisation: product is classified as skin sensitizer (hazard category 1). It contains allergen: 1,2-benzisothiazol-3(2H)-one at concentration higher then specific concentration limits

e) Germ cell mutagenicity: based on available data, the classification criteria are not met, hazardous ingredients of the product aren't mentioned on the list of mutagenic substances

f) Carcinogenicity: based on available data, the classification criteria are not met, hazardous ingredients of the product aren't mentioned on the list of carcinogenic substances

g) Reproductive toxicity: based on available data, the classification criteria are not met, hazardous ingredients of the product aren't mentioned on the list of reproductive toxicity substances

h) STOT-single exposure: based on available data, the classification criteria are not met

i) STOT-repeated exposure: based on available data, the classification criteria are not met

j) Aspiration hazard: based on available data, the classification criteria are not met

Information on likely routes of exposure

No available data for product

Symptoms related to the physical, chemical and toxicological characteristics

No available data for product

Delayed and immediate effects as well as chronic effects from short and long-term exposure

No available data for product

Interactive effects

No available data for product

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11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

The product doesn't contain substances identified as having endocrine disrupting properties at a concentration equal to or greater than 0,1 % by weight.

11.2.2. Other information

No data for product

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

No data for product

Ecotoxicological data for hazardous components:

1,2-benzisothiazol-3(2H)-one:

Acute toxicity for fish (*Oncorhynchus mykiss*) LC50 (96h): 2,18 mg/dm³

Acute toxicity for crustacea (*Daphnia magna*) EC50 (48h): 2,94 mg/dm³

Acute toxicity for algae (*Pseudokirchnerella subcapitata*) ErC50 (72h): 0,11 mg/dm³

Chronic toxicity for algae (*Skeletonema costatum*) NOEC (21d): 0,027 mg/dm³

12.2. Persistence and degradability

No data for product

12.3. Bioaccumulative potential

No data for product

12.4. Mobility in soil

No data for product

12.5. Results of PBT and vPvB assessment:

Product doesn't meet the criteria for PBT or vPvB in accordance with Annex XIII of REACH Regulation.

12.6. Endocrine disrupting properties

The product doesn't contain substances identified as having endocrine disrupting properties at a concentration equal to or greater than 0,1 % by weight.

12.7. Other adverse effects

Product is classified as hazardous to environment, harmful to the aquatic environment, may cause long-term adverse effects in the aquatic environment. In trade form product poses risk to the environment. Take care that the product has not penetrated into the soil, drinking water sources, water tanks etc.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods:

Agree with the manufacturer of the product on the possibility of waste processing. If this is not possible, transfer for disposal in a facility authorized for the collection, transport, recovery or disposal of waste. Do not dispose of into the sewage system. Do not store in municipal landfills. Recovery or disposal of the waste product shall be carried out in accordance with applicable regulations. Recommended disposal of waste: incineration. The waste code must be assigned individually at the place of waste generation depending on the industry and place of use.

Disposing of the packaging: it is forbidden to burn them on the surface of the earth, use them for other purposes, including treating them as secondary raw materials. Deliver the emptied packaging of product residues to a suitable landfill.

SECTION 14: TRANSPORT INFORMATION

14.1. UN number or ID number: doesn't concern

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14.2. UN proper shipping name: doesn't concern
14.3. Transport hazard class: doesn't concern
14.4. Packing group: doesn't concern
14.5. Environmental hazards: no
14.6. Special precautions for user: see section 7.1
14.7. Maritime transport in bulk according to IMO instruments: doesn't concern

SECTION 15: REGULATORY INFORMATION

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

- Regulation (EC) No 1907/2006 of the European Parliament and of the Council from 18.12.2006 concerning the Registration, Evaluation, Authorization and Restriction from Chemicals (REACH) with updates
 - Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling 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 updates (ATP 1 to 18)
 - Commission Regulation (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
 - European agreement concerning international road transport of dangerous products (ADR)
Federal, State and Local regulations.

15.2. Chemical safety assessment

Chemical safety assessment was not made for the product

SECTION 16. OTHER INFORMATION

Explanation of Hazard Class, Category Code(s) and Hazard statement Code(s) referring hazardous substances contained in product:

Acute Tox. 4 (oral) Acute Toxicity (swallowing) Hazard Category 4
 Acute Tox. 2 (inh) Acute Toxicity (inhalation), Hazard Category 2
 Skin Irrit. 2 Skin corrosion/irritation, Hazard Category 2
 Eye Dam. 1 Serious eye damage/eye irritation, Hazard Category 1
 Eye Irrit. 2 Serious eye damage/eye irritation, Hazard Category 2
 Skin Sens. 1A Skin sensitisation, Hazard Category 1A
 Aquatic Acute 1 Hazardous to the aquatic environment ACUTE Hazard Category 1
 Aquatic Chronic 1 Hazardous to the aquatic environment, CHRONIC, Hazard Category 1
 Aquatic Chronic 3 Hazardous to the aquatic environment, CHRONIC, Hazard Category 3

H302 Harmful if swallowed
 H315 Causes skin irritation
 H317 May cause an allergic skin reaction
 H318 Causes serious eye damage
 H319 Causes serious eye irritation
 H330 Fatal if inhaled
 H332 Harmful if inhaled
 H400 Very toxic to aquatic life
 H410 Very toxic to aquatic life with long lasting effects
 H412 Harmful to aquatic life with long lasting effects

Explanation of abbreviations and acronyms used in the MSDS:

UFI – Unique Formula Identifier
 PBT – persistence, bioaccumulation potential and toxicity
 vPvB – very high durability and very bioaccumulative
 CAS – Chemical Abstracts Service
 WE – the number assigned to chemicals in the European Inventory of Existing Commercial Chemical Substances or European List of Notified Chemical Substances, or in the list of chemicals listed in the publication of "No-longer polymers".

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STEL – short term exposure limits maximum of a substance harmful to health in the workplace

LTEL – long term exposure limits maximum of a substance harmful to health in the workplace

LEL – lower explosive limit

UEL – upper explosive limit

LD50 – lethal dose 50%

LC50 – lethal concentration 50%

UN number – identification number of the material (the number of UN, UN number)

PCN – Poison Center Notification

MSDS was prepared in accordance with Commission Regulation (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

Classification of product was made based on physical-chemical properties and content of hazardous components, according to the Regulation (EC) No 1272/2008.

Source of data: this MSDS was prepared based on MSDS of ingredients, data of product, our knowledge and experience according to actual legislation.

ECHA European Chemicals Agency, <http://echa.europa.eu/>

Recommendation and restriction of use: Use according to label. Additional safety information available at producer. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.