Safety Data Sheet

according to Regulation (EC) No 1907/2006

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

1.1. **Product identifier**

Product name: VANDEX FLEXBIT 1K P

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

Use of the substance/mixture

bitumen coating, coating

Uses advised against

any non-intended use.

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

Supplier:	Vandex International Ltd / Vandex AG
Vandex Isoliermittel-Gesellschaft m.b.H.	P.O. Box / Rötistrasse 6
Industriestr. 19-23	CH-4500 Solothurn
D-21493 Schwarzenbek	Phone: +41 32 626 36 36
Phone: +49 4151 89 15-0	Fax: +41 32 626 36 37
Fax: +49 4151 89 15 50	Telephone number is available during office hours only.

For further information, please contact: ehs@vandex.com

1.4. **Emergency telephone number:** Poison Nord / +49 551 19240 (24 h available, English/German)

SECTION 2: Hazards identification

2.1. **Classification of the substance or mixture**

Classification according to Directive 67/548/EEC or 1999/45/EC

This mixture is not classified as hazardous according to Directive 1999/45/EC.

Classification according to Regulation (EC) No. 1272/2008 [CLP]

This mixture is not classified as hazardous according to Regulation (EC) No. 1272/2008.

2.2. **Label elements**

Special labelling of certain mixtures

EUH208	Contains 1,2-benzisothiazol-3(2H)-one, 1,2-benzisothiazolin-3-one. May produce an allergic reaction.
EUH210	Safety data sheet available on request.

2.3. **Other hazards**

No information available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

aqueous anionic bitumen emulsion

Further Information

Product does not contain SVHC substances and no listed PBT substances.

SECTION 4: First aid measures

4.1. **Description of first aid measures**

General information

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

After inhalation

In case of accident by inhalation: remove casualty to fresh air and keep at rest. In case of respiratory tract irritation, consult a physician.

After contact with skin

Take off immediately all contaminated clothing. After contact with skin, wash immediately with plenty of water and soap. If skin irritation occurs: Get medical advice/attention.

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water. In case of troubles or persistent symptoms, consult an ophthalmologist.

After ingestion

Rinse mouth thoroughly with water. Let water be drunken in little sips (dilution effect). Do NOT induce vomiting. When in doubt or if symptoms are observed, get medical advice.

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

No information available.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. **Extinguishing media**

Suitable extinguishing media

Carbon dioxide (CO_2). Dry extinguishing powder. alcohol resistant foam. Atomized water. Sand.

Unsuitable extinguishing media

High power water jet.

5.2. **Special hazards arising from the substance or mixture**

Can be released in case of fire: Carbon monoxide. Carbon dioxide (CO_2). Sulfur oxides. Nitrogen oxides (NO_x)

5.3. **Advice for firefighters**

Wear a self-contained breathing apparatus and chemical protective clothing.

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.
Co-ordinate fire-fighting measures to the fire surroundings.
Use water spray jet to protect personnel and to cool endangered containers.

SECTION 6: Accidental release measures

6.1. **Personal precautions, protective equipment and emergency procedures**

See protective measures under point 7 and 8.

6.2. **Environmental precautions**

Do not allow to enter into surface water or drains.

6.3. **Methods and material for containment and cleaning up**

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).
Treat the recovered material as prescribed in the section on waste disposal .
Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. **Reference to other sections**

See section 8.

SECTION 7: Handling and storage

7.1. **Precautions for safe handling**

Advice on safe handling

Wear suitable protective clothing. (See section 8.)
Avoid contact with skin, eyes and clothes.

Advice on protection against fire and explosion

Usual measures for fire prevention.

7.2. **Conditions for safe storage, including any incompatibilities**

Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place.

Advice on storage compatibility

Do not store together with: Explosives. Oxidizing solids. Oxidizing liquids. Radioactive substances. Infectious substances. Food and feedingstuffs.

Further information on storage conditions

Ensure adequate ventilation of the storage area.
Protect against: Frost, Heat
Protect against direct sunlight.
storage temperature: 5-35°C

7.3. **Specific end use(s)**

refer to chapter 1.

SECTION 8: Exposure controls/personal protection

8.1. **Control parameters**

8.2. **Exposure controls**

Appropriate engineering controls

Ensure adequate ventilation.

Protective and hygiene measures

Always close containers tightly after the removal of product. When using do not eat, drink, smoke, sniff.
Wash hands before breaks and after work.

Eye/face protection

Wear safety glasses; chemical goggles (if splashing is possible). DIN 166

Hand protection

Wear suitable gloves.
Material type:
NBR (Nitrile rubber).
PVC (Polyvinyl chloride).
The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Skin protection

Protective clothing. DIN 14605
Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500.

Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.
Respiratory protection necessary at:
exceeding exposure limit values
Generation/formation of aerosols.

Suitable respiratory protective equipment:
Combination filter device (DIN EN 141).. Type : A/P2.

Environmental exposure controls

No special precautionary measures are necessary.

SECTION 9: Physical and chemical properties

9.1. **Information on basic physical and chemical properties**

Physical state:	Paste
Colour:	dark brown
Odour:	weak

		Test method
pH-Value:	~12	
Changes in the physical state		
Melting point:	~0 °C	
Initial boiling point and boiling range:	>100 °C	
Flash point:	not determined	
Explosive properties		
none		
Lower explosion limits:	not determined	
Upper explosion limits:	not determined	
Ignition temperature:	not determined	
Oxidizing properties		
none		
Vapour pressure:	not determined	
Density:	ca. 0,8 g/cm³	
Water solubility:	miscible.	
Solubility in other solvents		
miscible with most organic solvents		
Viscosity / dynamic:	not determined	

9.2. **Other information**

No information available.

SECTION 10: Stability and reactivity

10.1. **Reactivity**

No information available.

10.2. **Chemical stability**

Stable under normal storage and handling conditions.

10.3. **Possibility of hazardous reactions**

No information available.

10.4. **Conditions to avoid**

Protect against: Heat, Frost, UV-radiation/sunlight

10.5. **Incompatible materials**

Materials to avoid: Oxidizing agents, strong.

10.6. **Hazardous decomposition products**

Can be released in case of fire: Carbon monoxide. Carbon dioxide (CO2). Sulfur oxides. Nitrogen

oxides (NOx)

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicocinetics, metabolism and distribution

No data available.

Acute toxicity

Based on available data, the classification criteria are not met.

Irritation and corrosivity

Based on available data, the classification criteria are not met.

Sensitising effects

Based on available data, the classification criteria are not met.
May cause sensitisation especially in sensitive humans.

STOT-single exposure

Based on available data, the classification criteria are not met.

Severe effects after repeated or prolonged exposure

Based on available data, the classification criteria are not met.

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

Specific effects in experiment on an animal

No data available.

SECTION 12: Ecological information

12.1. **Toxicity**

No data available.

12.2. **Persistence and degradability**

No data available.

12.3. **Bioaccumulative potential**

No indication of bioaccumulation potential.

12.4. **Mobility in soil**

No data available.

12.5. **Results of PBT and vPvB assessment**

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

12.6. **Other adverse effects**

No data available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal

Dispose of waste according to applicable legislation. Consult the appropriate local waste disposal expert about waste disposal. Non-contaminated packages may be recycled.

Waste disposal number of waste from residues/unused products

170302 CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES); bituminous mixtures, coal tar and tarred products; bituminous mixtures other than those mentioned in 17 03 01

Waste disposal number of used product

170302 CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES); bituminous mixtures, coal tar and tarred products; bituminous mixtures other than those mentioned in 17 03 01

Waste disposal number of contaminated packaging

150203 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; absorbents, filter materials, wiping cloths and protective clothing; absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02

Contaminated packaging

Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1.	**UN number:** Not restricted
14.2. **UN proper shipping name:**	Not restricted
14.3. Transport hazard class(es):	Not restricted
14.4. Packing group:	Not restricted

Inland waterways transport (ADN)

14.1.	**UN number:** Not restricted
14.2. **UN proper shipping name:**	Not restricted
14.3. Transport hazard class(es):	Not restricted
14.4.	**Packing group:** Not restricted

Marine transport (IMDG)

14.1.	**UN number:** Not restricted
14.2. **UN proper shipping name:**	Not restricted
14.3. Transport hazard class(es):	Not restricted
14.4. Packing group:	Not restricted

Air transport (ICAO)

14.1.	**UN number:** Not restricted
14.2. **UN proper shipping name:**	Not restricted
14.3. Transport hazard class(es):	Not restricted
14.4. Packing group:	Not restricted

14.5. **Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: no

14.6. **Special precautions for user**

refer to chapter 6-8.

14.7. **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

not relevant.

SECTION 15: Regulatory information

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

EU regulatory information

Additional information

The preparation is not dangerous in the sense of Directive 1999/45/EC.
This mixture is classified as not hazardous according to Regulation (EC) 1272/2008 [GHS].
Not subject to regulation 96/82/EC.

National regulatory information

Water contaminating class (D): 1 - slightly water contaminating

15.2. **Chemical safety assessment**

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Changes

Rev. 1.00; 04.05.2015, Initial release

Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route
CAS Chemical Abstracts Service
DNEL: Derived No Effect Level
IARC: INTERNATIONAL AGENCY FOR RESEARCH ON CANCER
International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
ICAO: International Civil Aviation Organization
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)
LOAEL: Lowest observed adverse effect level
LOAEC: Lowest observed adverse effect concentration
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
NOAEL: No observed adverse effect level
NOAEC: No observed adverse effect level
NTP: National Toxicology Program
N/A: not applicable
OSHA: Concerning the International Transport of Dangerous Goods by Rail)
PNEC: predicted no effect concentration
PBT: Persistent bioaccumulative toxic
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
SARA: Superfund Amendments and Reauthorization Act
SVHC: substance of very high concern
TRGS Technische Regeln für Gefahrstoffe
TSCA: Toxic Substances Control Act
VOC: Volatile Organic Compounds
VwVwS: Verwaltungsvorschrift wassergefährdender Stoffe
WGK: Wassergefährdungsklasse

Relevant H- and EUH-phrases (Number and full text)

EUH208	Contains 1,2-benzisothiazol-3(2H)-one, 1,2-benzisothiazolin-3-one. May produce an allergic reaction.
EUH210	Safety data sheet available on request.

Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The

information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)