SECTION 1: Identification of the substance / preparation and of the company

1.1 Product identifier

BlitzFix - Primer Nr.7 für PP/PE
Article number HK18

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

1.2.1 Relevant uses

See product information.

1.2.2 Uses advised against

None known.

1.3 Details of the supplier of the safety data sheet

Company

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SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

see SECTION 16

2.1.2 Classification according to Regulation 67/548/EEC or 1999/45/EC

Hazard symbols


Highly flammable


Harmful


Dangerous for the environment

R-phrases

R 11: Highly flammable.
R 38: Irritating to skin.
R 50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R 65: Harmful - may cause lung damage if swallowed.
R 67: Vapours may cause drowsiness and dizziness.

The product is classified and required to be labelled in accordance with EC-Directives

2.2 Label elements

Labelling according to Regulation 67/548/EEC or 1999/45/EC

Hazard symbols


Highly flammable


Harmful


Dangerous for the environment

Contains: n-Heptane

R-phrases

R 11: Highly flammable.
R 38: Irritating to skin.
R 50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R 65: Harmful - may cause lung damage if swallowed.
R 67: Vapours may cause drowsiness and dizziness.

S-phrases

S 2: Keep out of the reach of children.
S 9: Keep container in a well-ventilated place.
S 16: Keep away from sources of ignition - No smoking.
S 29: Do not empty into drains.
S 60: This material and its container must be disposed of as hazardous waste.
S 61: Avoid release to the environment. Refer to special instructions, safety data sheets.
S 62: If swallowed, do not induce vomiting. Seek medical advice immediately and show this container or label.

2.3 Other hazards

Physico-chemical hazards

Evolution of highly flammable gases/vapours.

Because of the high vapour pressure, containers are liable to burst if temperature rises.

Human health dangers

If swallowed or in the event of vomiting, risk of product entering the lungs.

Has a degreasing effect on the skin.

Other hazards

none

SECTION 3: Composition / Information on ingredients

3.1 Product-type:

The product is a mixture.

Range [%]	Substance
> 80	n-Heptane
	CAS: 142-82-5, EINECS/ELINCS: 205-563-8, EU-INDEX: 601-008-00-2
	GHS/CLP: Flam. Liq. 2 - H225 - Asp. Tox 1 - H304 - Skin Irrit. 2 - H315 - STOT SE 3 - H336 - Aquatic Acute 1 - H400 - Aquatic Chronic 1 - H410
	EEC: F-Xn-N, R 11-38-50/53-65-67
< 5	Copper naphthenate
	CAS: 1338-02-9, EINECS/ELINCS: 215-657-0, EU-INDEX: 029-003-00-5
	GHS/CLP: Flam. Liq. 3 - H226 - Acute Tox. 4 - H302 - Aquatic Acute 1 - H400 - Aquatic Chronic 1 - H410
	EEC: Xn-N, R 10-22-50/53

Comment on component parts

Substances of Very High Concern - SVHC: substances are not contained or are below 0,1%.
For the wording of the listed risk phrases refer to SECTION 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information
Remove contaminated soaked clothing immediately and dispose of safely.

Inhalation
Ensure supply of fresh air.
In the event of symptoms seek for medical treatment.

Skin contact
In case of contact with skin wash off immediately with soap and water.
Consult a doctor if skin irritation persists.

Eye contact
In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.

Ingestion
Consult a doctor immediately.
Do not induce vomiting.
Rinse out mouth and give plenty of water to drink.

4.2 Most important symptoms and effects, both acute and delayed

No informations available.

4.3 Indication of any immediate medical attention and special treatment needed

If swallowed or in the event of vomiting, risk of product entering the lungs.
Forward this sheet to the doctor.

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media
Carbon dioxide.
Water spray jet.
Dry powder.
Foam.

Extinguishing media that must not be used
Full water jet.

5.2 Special hazards arising from the substance or mixture

Unknown risk of formation of toxic pyrolysis products.
Not combusted hydrocarbons.
Carbon monoxide (CO).

5.3 Advice for firefighters

Use self-contained breathing apparatus.

Cool containers at risk with water spray jet.
Fire residues and contaminated firefighting water must be disposed of in accordance within the local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Keep away from all sources of ignition.
Ensure adequate ventillation.
Use breathing apparatus if exposed to vapours/dust/aerosol.

6.2 Environmental precautions

Prevent spread over a wide area (e.g. by containment or oil barriers).
Do not discharge into the drains/surface waters/groundwater.

6.3 Methods and material for containment and cleaning up

Take up with absorbent material (e.g. sand).
Dispose of absorbed material in accordance within the regulations.

6.4 Reference to other sections

See SECTION 8+13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Use solvent-resistant equipment.
Use only in well-ventilated areas.
Provide good room ventilation even at ground level (vapours are heavier than air).
Avoid spilling or spraying in enclosed areas.

Keep away from all sources of ignition - Refrain from smoking.
Take precautionary measures against static discharges.
Vapours can form an explosive mixture with air.

7.2 Conditions for safe storage, including any incompatibilities

Provide solvent-resistant and impermeable floor.
Keep only in original container.

Do not store together with oxidizing agents.

Protect from heat/overheating.
Keep container in a well-ventilated place.
Keep container tightly closed.

7.3 Specific end use(s)

See product use, SECTION 1.2

SECTION 8: Exposure controls / personal protection

8.1 Control parameters

Ingredients with occupational exposure limits to be monitored (GB)

Range [%]	Substance
> 80	n-Heptane
	CAS: 142-82-5, EINECS/ELINCS: 205-563-8, EU-INDEX: 601-008-00-2
	Long-term exposure: 500 ppm, 2085 mg/m³

Ingredients with occupational exposure limits to be monitored (EU)

Range [%]	Substance / EC LIMIT VALUES
> 80	n-Heptane
	CAS: 142-82-5, EINECS/ELINCS: 205-563-8, EU-INDEX: 601-008-00-2
	Eight hours: 500 ppm, 2085 mg/m³

8.2 Exposure controls

Additional advice on system design	Ensure adequate ventilation on workstation.
Eye protection	Safety glasses.
Hand protection	The details concerned are recommendations. Please contact the glove supplier for further information. In full contact Viton, >480 min (EN 374). In splash contact Nitrile rubber, >480 min (EN 374).
Skin protection	Light protective clothing of plastic material.
Other	Do not inhale gases/vapours/aerosols. Avoid contact with eyes and skin. Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of these equipments to chemicals should be ascertained with the respective supplier. Remove soiled or soaked clothing immediately. Do not eat, drink, smoke or take drugs at work. Wash hands before breaks and after work. Use barrier skin cream.
Respiratory protection	Breathing apparatus in the event of high concentrations. Short term: filter apparatus, filter A.
Thermal hazards	No informations available.
Delimitation and monitoring of the environmental exposition	See SECTION 6+7.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form	liquid
Color	transparent
Odor	characteristic
Odour threshold	No informations available.
pH-value	not applicable
pH-value [1%]	not applicable
Boiling point [°C]	90-110
Flash point [°C]	-1
Flammability [°C]	not determined
Lower explosion limit	1 Vol.-%
Upper explosion limit	7 Vol.-%
Oxidizing properties	no
Vapour pressure/gas pressure [kPa]	3,5
Density [g/ml]	0,7
Bulk density [kg/m³]	not applicable
Solubility in water	immiscible
Partition coefficient [n-octanol/water]	not determined
Viscosity	ca. 1-2 mPas
Relative vapour density determined in air	not determined
Evaporation speed	not determined
Melting point [°C]	not determined
Autoignition temperature [°C]	320°C
Decomposition temperature	not determined

9.2 Other information

No informations available.

SECTION 10: Stability and reactivity

10.1 Reactivity

Formation of explosive gas/air mixtures.
Uncleaned empty vessels may contain product gases which can form explosive mixtures with air.

10.2 Chemical stability

Stable under normal ambient conditions (ambient temperature).

10.3 Possibility of hazardous reactions

Violent reaction under influence of oxidising agents.

10.4 Conditions to avoid

See SECTION 7.2.
Strong heating.

10.5 Incompatible materials

See SECTION 10.3.

10.6 Hazardous decomposition products

Flammable gases/vapours.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Range [%]	Substance
> 80	n-Heptane, CAS: 142-82-5
	LD50, dermal, Rabbit: 3400 mg/kg.
	LC50, inhalative, Rat: 103 g/m³ (4h).
	LD50, oral, Rat: > 2000 mg/kg.
< 5	Copper naphthenate, CAS: 1338-02-9
	LD50, oral, Rat: 2000 mg/kg (Lit.).

Serious eye damage/irritation	not determined
Skin corrosion/irritation	not determined
Respiratory or skin sensitisation	not determined
Specific target organ toxicity — single exposure	not determined
Specific target organ toxicity — repeated exposure	not determined
Mutagenicity	not determined
Reproduction toxicity	not determined
Carcinogenicity	not determined
General remarks	
	The product was classified on the basis of the calculation procedure of the preparation directive.

SECTION 12: Ecological information

12.1 Toxicity

Range [%]	Substance
> 80	n-Heptane, CAS: 142-82-5
	EC50, (48h), Daphnia magna: 1,5 mg/l.
	LC50, (24h), fish: 4 mg/l.
< 5	Copper naphthenate, CAS: 1338-02-9
	LC50, (96h), fish: 0,161 mg/l (Lit.).

12.2 Persistence and degradability

Behaviour in environment compartments	not determined
Behaviour in sewage plant	not applicable
Biological degradability	not determined

12.3 Bioaccumulative potential

No informations available.

12.4 Mobility in soil

No informations available.

12.5 Results of PBT and vPvB assessment

Based on all available information not to be classified as PBT or vPvB respectively.

12.6 Other adverse effects

Ecological data of complete product are not available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

Product

Dispose of as hazardous waste.
For recycling, consult manufacturer.

Waste no. (recommended) 070704*

Contaminated packaging

Uncontaminated packaging may be taken for recycling.
Packaging that cannot be cleaned should be disposed of as for product.

Waste no. (recommended) 150110*

SECTION 14: Transport information

14.1 UN number

See SECTION14.2 in accordance with UN shipping name

14.2 UN proper shipping name

Transport by land according to ADR/RID	UN 1206 Heptane, Mischung (ENVIRONMENTALLY HAZARDOUS) 3 N II
- Classification Code	F1
- Label	
- ADR LQ	1 l
- ADR 1.1.3.6 (8.6)	Transport category (tunnel restriction code) 2 (D/E)
Inland navigation (ADN)	UN 1206 Heptane, Mischung (ENVIRONMENTALLY HAZARDOUS) 3 N II
- Classification Code	F1
- Label	
Marine transport in accordance with IMDG	UN 1206 Heptanes, mixture 3 II MARINE POLLUTANT
- EMS	F-E, S-D
- Label	
- IMDG LQ	1 l
Air transport in accordance with IATA	UN 1206 Heptanes, mixture 3 II
- Label	

14.3 Transport hazard class(es)

See SECTION14.2 in accordance with UN shipping name

14.4 Packing group

See SECTION14.2 in accordance with UN shipping name

14.5 Environmental hazards

See SECTION14.2 in accordance with UN shipping name

14.6 Special precautions for user

Relevant information under SECTION 6 to 8.

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

No informations available.

SECTION 15: Regulatory information

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

EEC-REGULATIONS	1967/548 (1999/45); 1991/689 (2001/118); 1999/13; 2004/42; 648/2004; 1907/2006 (Reach); 1272/2008; 75/324/EEC (2008/47/EC); 453/2010/EC
TRANSPORT-REGULATIONS	DOT-Classification, ADR (2011); IMDG-Code (2011, 35. Amdt.); IATA-DGR (2012).
NATIONAL REGULATIONS (GB):	EH40/2005 Workplace exposure limits with amendments October 2007. CHIP 3/ CHIP 4

15.2 Chemical safety assessment

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

SECTION 16: Other informations

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

Hazard pictograms

Signal word

DANGER

WARNING

Flam. Liq. 2 - H225 Highly flammable liquid and vapour.
Skin Irrit. 2 - H315 Causes skin irritation.
Aquatic Chronic 1 - H410 Very toxic to aquatic life with long lasting effects.
Asp. Tox 1 - H304 May be fatal if swallowed and enters airways.
STOT SE 3 - H336 May cause drowsiness or dizziness.

Classification procedure

Classification according to conversion table Annex VII 1272/2008/EC

16.2 R-phrases (SECTION 03)

R 11: Highly flammable.
R 38: Irritating to skin.
R 50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R 65: Harmful - may cause lung damage if swallowed.
R 67: Vapours may cause drowsiness and dizziness.
R 10: Flammable.
R 22: Harmful if swallowed.

16.3 Hazard statements (SECTION 03)

H225 Highly flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H336 May cause drowsiness or dizziness.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H226 Flammable liquid and vapour.
H302 Harmful if swallowed.

16.4 Abbreviations and acronyms:

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route
RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses
ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure
CAS = Chemical Abstracts Service
CLP = Classification, Labelling and Packaging
DMEL = Derived Minimum Effect Level
DNEL = Derived No Effect Level
EC50 = Median effective concentration
ECB = European Chemicals Bureau
EEC = European Economic Community
EINECS = European Inventory of Existing Commercial Chemical Substances
ELINCS = European List of Notified Chemical Substances
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC-Code = International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
IC50 = Inhibition concentration, 50%
IMDG = International Maritime Code for Dangerous Goods
IUCLID = International Uniform ChemicaL Information Database
LC50 = Lethal concentration, 50%
LD50 = Median lethal dose
MARPOL = International Convention for the Prevention of Marine Pollution from Ships
PBT = Persistent, Bioaccumulative and Toxic substance
PNEC = Predicted No-Effect Concentration
REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals
TLV®/TWA = Threshold limit value – time-weighted average
TLV®STEL = Threshold limit value – short-time exposure limit
VOC = Volatile Organic Compounds
vPvB = very Persistent and very Bioaccumulative

Modified position none

16.5 Other informations

Observe employment restrictions for people yes

VOC (1999/13/CE) > 80%

Customs Tariff not determined