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

### 1.1 Product identifier

Trade name : Clickguard™

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

Product use : Adhesive

### 1.3 Details of the supplier of the safety data sheet

Company : Kronoflooring GmbH Lampertswalde  
 Mühlbacher Straße 1  
 01561 Lampertswalde  
 Telephone : +49(0)3522-33 30  
 E-mail address : t.buenker@kronospan.de

### 1.4 Emergency telephone number

Emergency telephone number : +49 178 820 91 95

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

Type of product : Mixture

#### Classification (REGULATION (EC) No 1272/2008)

Flammable liquids, Category 2	H225: Highly flammable liquid and vapour.
Skin irritation, Category 2	H315: Causes skin irritation.
Specific target organ toxicity - single exposure, Category 3, Central nervous system	H336: May cause drowsiness or dizziness.
Chronic aquatic toxicity, Category 2	H411: Toxic to aquatic life with long lasting effects.


### 2.2 Label elements

#### Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal word : Danger

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Hazard statements : H225 Highly flammable liquid and vapour.  
 H315 Causes skin irritation.  
 H336 May cause drowsiness or dizziness.  
 H411 Toxic to aquatic life with long lasting effects.

Precautionary statements : **Prevention:**  
 P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P233 Keep container tightly closed.  
 P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.  
 P273 Avoid release to the environment.  
 P280 Wear protective gloves/ eye protection/ face protection.  
**Response:**  
 P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

Hazardous components which must be listed on the label:

- 921-024-6 Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

### 2.3 Other hazards


This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Hazardous components

Chemical name CAS-No. EC-No. Registration number	Classification (REGULATION (EC) No 1272/2008)	Concentration [%]
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane  921-024-6 01-2119475514-35-XXXX	Flam. Liq.2; H225 Skin Irrit.2; H315 STOT SE3; H336 Asp. Tox.1; H304 Aquatic Chronic2; H411	>= 50 - <= 100
cyclohexane 110-82-7 203-806-2 01-2119463273-41-XXXX	Flam. Liq.2; H225 Asp. Tox.1; H304 Skin Irrit.2; H315 STOT SE3; H336 Aquatic Acute1; H400 Aquatic Chronic1; H410	>= 5 - < 10

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ethanol 64-17-5 200-578-6 01-2119457610-43-XXXX	Flam. Liq.2; H225 Eye Irrit.2; H319	>= 1 - < 2,5
n-hexane 110-54-3 203-777-6 01-2119480412-44-XXXX	Flam. Liq.2; H225 Repr.2; H361f Asp. Tox.1; H304 STOT RE2; H373 Skin Irrit.2; H315 STOT SE3; H336 Aquatic Chronic2; H411	>= 1 - < 2,5
Substances with a workplace exposure limit :		
Rubber, natural 9006-04-6 232-689-0		>= 5 - < 10

For the full text of the H-Statements mentioned in this Section, see Section 16.


## SECTION 4: First aid measures

### 4.1 Description of first aid measures

General advice	: Move out of dangerous area. Consult a physician. Show this safety data sheet to the doctor in attendance.
If inhaled	: Move to fresh air. Consult a physician after significant exposure.
In case of skin contact	: Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. If symptoms persist, call a physician.
In case of eye contact	: Remove contact lenses. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.
If swallowed	: Do not induce vomiting without medical advice. Rinse mouth with water. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person.

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

Symptoms	: Erythema Dermatitis Loss of balance Vertigo See Section 11 for more detailed information on health effects
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and symptoms.

Risks : irritant effects

Causes skin irritation.  
May cause drowsiness or dizziness.

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

Treatment : Treat symptomatically.

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### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

Suitable extinguishing media : Alcohol-resistant foam, Carbon dioxide (CO<sub>2</sub>), Dry chemical

Unsuitable extinguishing media : Water, High volume water jet

#### 5.2 Special hazards arising from the substance or mixture

Specific hazards during fire-fighting : Do not use a solid water stream as it may scatter and spread fire. Do not allow run-off from fire fighting to enter drains or water courses.

Hazardous combustion products : No hazardous combustion products are known

#### 5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

Further information : Use water spray to cool unopened containers. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.


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### SECTION 6: Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment.  
Remove all sources of ignition.  
Deny access to unprotected persons.

Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

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## 6.2 Environmental precautions

Environmental precautions : Prevent product from entering drains.  
If the product contaminates rivers and lakes or drains inform respective authorities.

## 6.3 Methods and materials for containment and cleaning up

Methods for cleaning up : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

## 6.4 Reference to other sections

For personal protection see section 8.

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling : Do not breathe vapours or spray mist. Avoid exceeding the given occupational exposure limits (see section 8). Do not get in eyes, on skin, or on clothing. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Take precautionary measures against static discharge. Open drum carefully as content may be under pressure. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). Follow standard hygiene measures when handling chemical products

Advice on protection against fire and explosion : Use explosion-proof equipment. Keep away from heat/sparks/open flames/hot surfaces. No smoking. Take precautionary measures against electrostatic discharges.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.


### 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Store in cool place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store in accordance with local regulations.

Other data : No decomposition if stored and applied as directed.

### 7.3 Specific end use(s)

Specific use(s) : Consult most current local Product Data Sheet prior to any use.

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## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters


#### Components with workplace control parameters

Components	CAS-No.	Value	Control parameters *	Basis *
Rubber, natural	9006-04-6	TWA	0,6 mg/m <sup>3</sup>	GB EH40
		TWA	6 mg/m <sup>3</sup>	GB EH40
cyclohexane	110-82-7	TWA	100 ppm 350 mg/m <sup>3</sup>	GB EH40
		STEL	300 ppm 1.050 mg/m <sup>3</sup>	GB EH40
		TWA	200 ppm 700 mg/m <sup>3</sup>	2006/15/EC
ethanol	64-17-5	TWA	1.000 ppm 1.920 mg/m <sup>3</sup>	GB EH40
n-hexane	110-54-3	TWA	20 ppm 72 mg/m <sup>3</sup>	GB EH40

### 8.2 Exposure controls

#### Personal protective equipment

- Eye protection : Safety glasses with side-shields conforming to EN166  
Eye wash bottle with pure water
- Hand protection : Chemical-resistant, impervious gloves complying with an approved standard must be worn at all times when handling chemical products. Reference number EN 374. Follow manufacturer specifications.
- Suitable for short time use or protection against splashes:  
Butyl rubber/nitrile rubber gloves (0,4 mm),  
Contaminated gloves should be removed.  
Suitable for permanent exposure:  
Viton gloves (0.4 mm),  
breakthrough time >30 min.
- Skin and body protection : Protective clothing (e.g. Safety shoes acc. to EN ISO 20345, long-sleeved working clothing, long trousers). Rubber aprons and protective boots are additionally recommended for mixing and stirring work.
- Respiratory protection : Respirator selection must be based on known or anticipated

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exposure levels, the hazards of the product and the safe working limits of the selected respirator.

organic vapor filter (Type A)

A1: < 1000 ppm; A2: < 5000 ppm; A3: < 10000 ppm

Ensure adequate ventilation. This can be achieved by local exhaust extraction or by general ventilation. (EN 689 - Methods for determining inhalation exposure). This applies in particular to the mixing / stirring area. In case this is not sufficient to keep the concentrations under the occupational exposure limits then respiration protection measures must be used.

#### Environmental exposure controls


General advice : Prevent product from entering drains.  
If the product contaminates rivers and lakes or drains inform respective authorities.

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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance	: viscous
Colour	: various
Odour	: characteristic
Odour Threshold	: No data available
Flash point	: -18 °C
Autoignition temperature	: No data available
Decomposition temperature	: No data available
Lower explosion limit (Vol-%)	: 1,1 %(V)
Upper explosion limit (Vol-%)	: 7,4 %(V)
Flammability	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
pH	: No data available
Melting point/range / Freezing point	: No data available
Boiling point/boiling range	: No data available

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Vapour pressure	: 103,9912 hPa
Density	: ca.0,7 g/cm <sup>3</sup> at 20 °C
Water solubility	: insoluble
Partition coefficient: n-octanol/water	: No data available
Viscosity, dynamic	: ca.8.500 mPa.s at 20 °C
Viscosity, kinematic	: > 20,5 mm <sup>2</sup> /s at 40 °C
Relative vapour density	: No data available
Evaporation rate	: No data available

## 9.2 Other information

No data available

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No dangerous reaction known under conditions of normal use.

### 10.2 Chemical stability

The product is chemically stable.

### 10.3 Possibility of hazardous reactions

Hazardous reactions	: Stable under recommended storage conditions.
	Vapours may form explosive mixture with air.

### 10.4 Conditions to avoid


Conditions to avoid	: Heat, flames and sparks.
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### 10.5 Incompatible materials

Materials to avoid	: No data available
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### 10.6 Hazardous decomposition products

Hazardous decomposition products	: No decomposition if stored and applied as directed.
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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

Not classified based on available information.

#### Skin corrosion/irritation

Causes skin irritation.

#### Serious eye damage/eye irritation

Not classified based on available information.

#### Respiratory or skin sensitisation

Skin sensitisation: Not classified based on available information.

Respiratory sensitisation: Not classified based on available information.

#### Germ cell mutagenicity

Not classified based on available information.

#### Carcinogenicity

Not classified based on available information.

#### Reproductive toxicity

Not classified based on available information.

#### STOT - single exposure

May cause drowsiness or dizziness.

#### STOT - repeated exposure

Not classified based on available information.

#### Aspiration toxicity

Not classified based on available information.

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## SECTION 12: Ecological information

### 12.1 Toxicity

No data available

### 12.2 Persistence and degradability

No data available

### 12.3 Bioaccumulative potential


No data available

### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

Product:

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Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

## 12.6 Other adverse effects

### Product:

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.  
Toxic to aquatic life with long lasting effects.

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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product : The generation of waste should be avoided or minimized wherever possible.  
Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way.  
Dispose of surplus and non-recyclable products via a licensed waste disposal contractor.  
Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.  
Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.


Contaminated packaging : 15 01 10\* packaging containing residues of or contaminated by dangerous substances

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## SECTION 14: Transport information

### ADR

14.1 UN number : 1133  
 14.2 UN proper shipping name : ADHESIVES  
 14.3 Transport hazard class(es) : 3  
 14.4 Packing group : II  
 Classification Code : F1  
 Labels : 3  
 Tunnel restriction code : (D/E)  
 14.5 Environmental hazards : yes

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#### IATA

**14.1 UN number** : 1133  
**14.2 UN proper shipping name** : Adhesives  
**14.3 Transport hazard class(es)** : 3  
**14.4 Packing group** : II  
**Labels** : 3  
**14.5 Environmental hazards** : yes

#### IMDG

**14.1 UN number** : 1133  
**14.2 UN proper shipping name** : ADHESIVES  
 (naphtha (petroleum))  
**14.3 Class** : 3  
**14.4 Packing group** : II  
**Labels** : 3  
**EmS Number 1** : F-E  
**EmS Number 2** : S-D  
**14.5 Marine pollutant** : yes

#### 14.6 Special precautions for user

No data available

#### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

## SECTION 15: Regulatory information

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

#### Prohibition/Restriction

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII) : Banned and/or restricted (cyclohexane)

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). : None of the components are listed (=> 0.1 %).


REACH - List of substances subject to authorisation (Annex XIV) : Not applicable

REACH Information: All substances contained in our Products are  
 - preregistered or registered by our upstream suppliers, and/or  
 - preregistered or registered by us, and/or  
 - excluded from the regulation, and/or  
 - exempted from the registration.

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

Quantity 1

Quantity 2

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E2	ENVIRONMENTAL HAZARDS	200 t	500 t
P5c	FLAMMABLE LIQUIDS	5.000 t	50.000 t
34	Petroleum products: (a) gasolines and naphthas, (b) kerosenes (including jet fuels), (c) gas oils (including diesel fuels, home heating oils and gas oil blending streams),(d) heavy fuel oils (e) alternative fuels serving the same purposes and with similar properties as regards flammability and environmental hazards as the products referred to in points (a) to (d)	2.500 t	25.000 t
VOC-CH (VOCV)	: 90,88 %		
VOC-EU (solvent)	: 90,88 %		

If other regulatory information applies that is not already provided elsewhere in the Safety Data Sheet, then it is described in this subsection.

Health, safety and environmental regulation/legislation specific for the substance or mixture: : Environmental Protection Act 1990 & Subsidiary Regulations  
Health and Safety at Work Act 1974 & Subsidiary Regulations  
Control of Substances Hazardous to Health Regulations (COSHH)  
May be subject to the Control of Major Accident Hazards Regulations (COMAH), and amendments.


## 15.2 Chemical safety assessment

No Chemical Safety Assessment has been carried out for this mixture by the supplier.

## SECTION 16: Other information

### Full text of H-Statements

H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H361f	Suspected of damaging fertility.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.

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H410 Very toxic to aquatic life with long lasting effects.  
 H411 Toxic to aquatic life with long lasting effects.

#### Full text of other abbreviations

Aquatic Acute	Acute aquatic toxicity
Aquatic Chronic	Chronic aquatic toxicity
Asp. Tox.	Aspiration hazard
Eye Irrit.	Eye irritation
Flam. Liq.	Flammable liquids
Repr.	Reproductive toxicity
Skin Irrit.	Skin irritation
STOT RE	Specific target organ toxicity - repeated exposure
STOT SE	Specific target organ toxicity - single exposure
ADR	Accord européen relatif au transport international des marchandises Dangereuses par Route
CAS	Chemical Abstracts Service
DNEL	Derived no-effect level
EC50	Half maximal effective concentration
GHS	Globally Harmonized System
IATA	International Air Transport Association
IMDG	International Maritime Code for Dangerous Goods
LD50	Median lethal dose (the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals)
LC50	Median lethal concentration (concentrations of the chemical in air that kills 50% of the test animals during the observation period)
MARPOL	International Convention for the Prevention of Pollution from Ships, 1973 as modified by the Protocol of 1978
OEL	Occupational Exposure Limit
PBT	Persistent, bioaccumulative and toxic
PNEC	Predicted no effect concentration
REACH	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency
SVHC	Substances of Very High Concern
vPvB	Very persistent and very bioaccumulative

#### Classification of the mixture:

Flam. Liq. 2	H225
Skin Irrit. 2	H315
STOT SE 3	H336
Aquatic Chronic 2	H411

#### Classification procedure:

On basis of test data.
Calculation method
Calculation method
Calculation method

The information contained in this Safety Data Sheet corresponds to our level of knowledge at the time of publication. All warranties are excluded. Our most current General Sales Conditions shall apply. Please consult the product data sheet prior to any use and processing.

Changes as compared to previous version !