

# Safety Data Sheet

according to 29 CFR 1910.1200(g)

**=KAMI= RC 2001**

Revision date: 22.03.2018

Product code: 00287-0009-US

Page 1 of 9

## 1. Identification

### Product identifier

=KAMI= RC 2001

### Recommended use of the chemical and restrictions on use

#### Use of the substance/mixture

Cleaning agent

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

Company name:	=KAMI= CHEM.-TECHN.-SPEZIALERZEUGNISSE	
Street:	Hochstraße 1 / Linden	
Place:	D-91495 Markt Erlbach	
Telephone:	+49 (0)9106-410	Telefax: +49 (0)9106-6293
Responsible Department:	Responsible for the safety data sheet: sds@gbk-ingelheim.de	
<b>Emergency phone number:</b>	INTERNATIONAL: +49 - (0) 6132 - 84463, GBK GmbH (24h - 7d/w - 365d/a)	

## 2. Hazard(s) identification

### Classification of the chemical

#### 29 CFR Part 1910.1200

Flammable liquids: Flam. Liq. 2  
Aspiration hazard: Asp. Tox. 1  
Skin corrosion/irritation: Skin Irrit. 2  
Reproductive toxicity: Repr. 2  
Specific target organ toxicity single exposure: STOT SE 3 (narcotic effects)

### Label elements

#### 29 CFR Part 1910.1200

Signal word: Danger

Pictograms:



#### Hazard statements

Highly flammable liquid and vapor  
May be fatal if swallowed and enters airways  
Causes skin irritation  
May cause drowsiness or dizziness  
Suspected of damaging fertility or the unborn child

#### Precautionary statements

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
Do not breathe vapour.  
Do not get in eyes, on skin, or on clothing.  
If swallowed: Immediately call a poison center/doctor.  
Do NOT induce vomiting.  
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
Avoid release to the environment.  
If skin irritation occurs: Get medical advice/attention.

### Hazards not otherwise classified

Vapours may form explosive mixture with air.



**Safety Data Sheet**

according to 29 CFR 1910.1200(g)

**=KAMI= RC 2001**

Revision date: 22.03.2018

Product code: 00287-0009-US

Page 2 of 9

**3. Composition/information on ingredients****Mixtures****Chemical characterization**

Preparation with hydrocarbons

**Hazardous components**

CAS No	Components	Quantity
64742-49-0	Naphta (petroleum)	< 95 %
67-63-0	Propan-2-ol	< 10 %
110-54-3	n-Hexane	< 3 %

**Further Information**

According to note P to the regulation (EC) no. 1272/2008, "Naphta (petroleum)" is not to be classified as "carcinogenic" or "mutagen" ingredient because a benzene content (EINECS No. 200-753-7) is below 0.1 % by weight.

**4. First-aid measures****Description of first aid measures****General information**

Remove contaminated soaked clothing immediately.  
If you feel unwell, seek medical advice.

**After inhalation**

Move to fresh air in case of accidental inhalation of vapours.  
In the event of symptoms refer for medical treatment.

**After contact with skin**

Wash off with soap and plenty of water.  
Consult a doctor if skin irritation persists.

**After contact with eyes**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.  
If eye irritation persists, consult a specialist.

**After ingestion**

Do not induce vomiting.  
Rinse out mouth and give plenty of water to drink.  
Never give anything by mouth to an unconscious person.  
Summon a doctor immediately.  
Induce vomiting only upon the advice of a physician.

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

May be fatal if swallowed and enters airways.  
Causes skin irritation.  
May cause drowsiness or dizziness.  
Suspected of damaging fertility.  
Attention. Beware of aspiration danger.

OSHA Hazard Communication: This material is considered hazardous by the OSHA Hazard Communication Standard 29CFR 1910.1200.

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

Treat symptoms.



## Safety Data Sheet

according to 29 CFR 1910.1200(g)

=KAMI= RC 2001

Revision date: 22.03.2018

Product code: 00287-0009-US

Page 3 of 9

### 5. Fire-fighting measures

#### Extinguishing media

##### **Suitable extinguishing media**

Alcohol-resistant foam, dry chemical, carbon dioxide (CO<sub>2</sub>), water-spray.

##### **Unsuitable extinguishing media**

Full water jet.

#### Specific hazards arising from the chemical

Fire may produce:

carbon monoxide and carbon dioxide

#### Special protective equipment and precautions for fire-fighters

Use breathing apparatus with independent air supply.

Protective suit.

#### **Additional information**

Vapours are heavier than air and spread along ground.

The vapour/air mixture is explosive, even in empty, uncleaned receptacles.

Cool containers at risk with water spray jet.

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

### 6. Accidental release measures

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

In case of vapour formation use respirator.

Use only explosion-proof equipment.

Ensure adequate ventilation.

Remove persons to safety.

Use personal protective clothing.

#### Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

#### Methods and material for containment and cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder).

Shovel into suitable container for disposal.

Clean contaminated surface thoroughly.

#### Reference to other sections

Observe protective instructions (see Sections 7 and 8).

Information for disposal look up chapter 13.

### 7. Handling and storage

#### Precautions for safe handling

##### **Advice on safe handling**

Keep container tightly closed.

Vapours are heavier than air and spread along ground.

Avoid contact with the skin and the eyes.

Use only in thoroughly ventilated areas.

##### **Advice on protection against fire and explosion**

Keep away from heat and sources of ignition.

Do not smoke.

Take precautionary measures against static discharges.

Use only explosion-proof equipment.



**Safety Data Sheet**

according to 29 CFR 1910.1200(g)

**=KAMI= RC 2001**

Revision date: 22.03.2018

Product code: 00287-0009-US

Page 4 of 9

**Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

Keep container tightly closed in a dry, cool and well-ventilated place.  
Pay attention to anti-explosion rules.

**Advice on storage compatibility**

Incompatible with oxidizing agents.

**Further information on storage conditions**

Keep away from food, drink and animal feeding stuffs.

**8. Exposure controls/personal protection****Control parameters****Exposure limits**

CAS No.	Substance	ppm	mg/m <sup>3</sup>	f/cc	Category	Origin
67-63-0	Isopropyl alcohol	400	980		TWA (8 h)	PEL
		400	980		TWA (8 h)	REL
		500	1225		STEL (15 min)	REL
110-54-3	n-Hexane	500	1800		TWA (8 h)	PEL
		50	180		TWA (8 h)	REL

**Exposure controls****Appropriate engineering controls**

Ensure adequate ventilation, especially in confined areas.

**Protective and hygiene measures**

Do not inhale vapours.  
Avoid contact with eyes and skin.  
Wash hands before breaks and immediately after handling the product.  
When using do not eat, drink or smoke.  
Remove and wash contaminated clothes before re-use.

**Eye/face protection**

Tightly fitting goggles.

**Hand protection**

Protective gloves resistant to chemicals made off nitrile, Minimum coat thickness 0.4 mm, Permeation resistance (wear duration) approx. 480 minutes, i.e. protective glove <Camatril 735> made by www.kcl.de. This recommendation refers exclusively to the chemical compatibility and the lab test conforming to EN 374 carried out under lab conditions.  
Requirements can vary as a function of the use. Therefore it is necessary to adhere additionally to the recommendations given by the manufacturer of protective gloves.

**Skin protection**

Long sleeved clothing.

**Respiratory protection**

In case of insufficient ventilation wear suitable respiratory equipment (gas filter type A).

**9. Physical and chemical properties****Information on basic physical and chemical properties**

Physical state: Liquid  
Color: Pink



**Safety Data Sheet**

according to 29 CFR 1910.1200(g)

**=KAMI= RC 2001**

Revision date: 22.03.2018

Product code: 00287-0009-US

Page 5 of 9

Odor: Hydrocarbon-like

**Test method****Changes in the physical state**

Initial boiling point and boiling range:	approx. 80 °C
Flash point:	approx. - 20 °C
Lower explosion limits:	0,8 vol. %
Upper explosion limits:	
Ignition temperature:	> 200 °C
Vapor pressure: (at 25 °C)	85 hPa
Density (at 20 °C):	0,74 g/cm <sup>3</sup>
Water solubility: (at 20 °C)	Immiscible
Viscosity / kinematic: (at 40 °C)	< 20,5 mm <sup>2</sup> /s
Solvent content:	> 90 %

**Other information**

No data available.

**10. Stability and reactivity****Reactivity**

No decomposition if stored and applied as directed.

**Chemical stability**

Stability: Stable

Stable under normal conditions.

**Possibility of hazardous reactions**

Hazardous reactions: Will not occur

Reactions with oxidizing agents.

**Conditions to avoid**

At standard pressure, distillable without decomposition.

Vapour/air mixtures are explosive at intensive warming.

Heating can release vapours which can be ignited.

**Incompatible materials**

Oxidizing agents

**Hazardous decomposition products**

Carbon monoxide and carbon dioxide

**11. Toxicological information****Information on toxicological effects****Route(s) of Entry**

Skin and eye contact, inhalation and ingestion.

**Acute toxicity**

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

No toxicological data available.



## Safety Data Sheet

according to 29 CFR 1910.1200(g)

=KAMI= RC 2001

Revision date: 22.03.2018

Product code: 00287-0009-US

Page 6 of 9

### Irritation and corrosivity

Causes skin irritation

Serious eye damage/eye irritation: Based on available data, the classification criteria are not met.

### Sensitizing effects

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

### Carcinogenic/mutagenic/toxic effects for reproduction

Suspected of damaging fertility or the unborn child (n-Hexane)

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

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

### Specific target organ toxicity (STOT) - single exposure

May cause drowsiness or dizziness (Naphtha (petroleum))

### Specific target organ toxicity (STOT) - repeated exposure

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

Carcinogenicity (NTP): Not listed

Carcinogenicity (IARC): Not listed

Carcinogenicity (OSHA): Not listed

### Aspiration hazard

May be fatal if swallowed and enters airways (Naphtha (petroleum); n-Hexane)

### Additional information on tests

This product is classified in accordance with the GHS regulations.

### Practical experience

#### Other observations

Effects of breathing high concentrations of vapour may include . Headache, dizziness, weakness, unconsciousness.

High concentration of vapours may cause irritation to eyes and respiratory system and produce narcotic effects.

After swallowing, strongly purgative effect.

Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product.

Contact with eyes may cause irritation.

## 12. Ecological information

### Ecotoxicity

Ecological data are not available.

### Persistence and degradability

No data available.

### Bioaccumulative potential

No data available.

### Mobility in soil

No data available.

### Other adverse effects

Slightly water hazardous.

### Further information

Do not flush into surface water or sanitary sewer system.

## 13. Disposal considerations

### Waste treatment methods



**Safety Data Sheet**

according to 29 CFR 1910.1200(g)

**=KAMI= RC 2001**

Revision date: 22.03.2018

Product code: 00287-0009-US

Page 7 of 9

**Advice on disposal**

Where possible recycling is preferred to disposal.  
Can be incinerated, when in compliance with local regulations.

**Contaminated packaging**

Empty containers should be taken for local recycling, recovery or waste disposal.  
Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.  
Packaging that cannot be cleaned should be disposed of like the product.

**14. Transport information****US DOT 49 CFR 172.101**

**UN/ID number:** UN 3295  
**Proper shipping name:** HYDROCARBONS, LIQUID, N.O.S.  
**Transport hazard class(es):** 3  
**Packing group:** II  
Hazard label: 3

**Marine transport (IMDG)**

**UN number:** UN 3295  
**UN proper shipping name:** HYDROCARBONS, LIQUID, N.O.S.  
**Transport hazard class(es):** 3  
**Packing group:** II  
Hazard label: 3



Marine pollutant: No  
Limited quantity: 1 L / 30 kg  
Excepted quantity: E2  
EmS: F-E, S-D

**Air transport (ICAO-TI/IATA-DGR)**

**UN number:** UN 3295  
**UN proper shipping name:** HYDROCARBONS, LIQUID, N.O.S.  
**Transport hazard class(es):** 3  
**Packing group:** II  
Hazard label: 3



Limited quantity Passenger: 1 L  
Passenger LQ: Y341  
Excepted quantity: E2  
IATA-packing instructions - Passenger: 353  
IATA-max. quantity - Passenger: 5 L  
IATA-packing instructions - Cargo: 364  
IATA-max. quantity - Cargo: 60 L

**Environmental hazards**

**Safety Data Sheet**

according to 29 CFR 1910.1200(g)

**=KAMI= RC 2001**

Revision date: 22.03.2018

Product code: 00287-0009-US

Page 8 of 9

ENVIRONMENTALLY HAZARDOUS: no

**Special precautions for user**

Handle in accordance with good industrial hygiene and safety practice.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

The transport takes place only in approved and appropriate packaging.

**15. Regulatory information****U.S. Regulations****National Inventory TSCA**

All of the components are on the TSCA Inventory.

**National regulatory information**

SARA Section 304 CERCLA:

n-Hexane (110-54-3): Reportable quantity = 5,000 (2270) lbs. (kg)

SARA Section 311/312 Hazards:

Naphtha (petroleum) (64742-49-0): Fire hazard, Immediate (acute) health hazard

Isopropyl alcohol (mfg-strong acid process) (67-63-0): Fire hazard, Immediate (acute) health hazard

n-Hexane (110-54-3): Fire hazard, Immediate (acute) health hazard, Delayed (chronic) health hazard

SARA Section 313 Toxic release inventory:

Isopropyl alcohol (mfg-strong acid process) (67-63-0): De minimis limit = 1.0 %, Reportable threshold = Standard

n-Hexane (110-54-3): De minimis limit = 1.0 %, Reportable threshold = Standard

Clean Air Act Section 112(b):

n-Hexane (110-54-3)

**State Regulations****Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65, State of California)**

This product contains no chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

**Additional information**

This product contains max VOC: &gt; 90%

**16. Other information****Hazardous Materials Information Label (HMIS)**

Health: 2

Flammability: 3

Physical Hazard: 0

**NFPA Hazard Ratings**

Health: 2

Flammability: 3

Reactivity: 0

Unique Hazard:

Revision date: 22.03.2018

Revision No: 2,1





## Safety Data Sheet

according to 29 CFR 1910.1200(g)

**=KAMI= RC 2001**

Revision date: 22.03.2018

Product code: 00287-0009-US

Page 9 of 9

### 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  
IMDG = International Maritime Code for Dangerous Goods  
IATA/ICAO = International Air Transport Association / International Civil Aviation Organization  
MARPOL = International Convention for the Prevention of Pollution from Ships  
IBC-Code = International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
REACH = Registration, Evaluation, Authorization and Restriction of Chemicals  
CAS = Chemical Abstract Service  
EN = European norm  
ISO = International Organization for Standardization  
DIN = Deutsche Industrie Norm  
PBT = Persistent Bioaccumulative and Toxic  
vPvB = Very Persistent and very Bio-accumulative  
LD = Lethal dose  
LC = Lethal concentration  
EC = Effect concentration  
IC = Median immobilisation concentration or median inhibitory concentration

### Other data

The information in this document is based on the present state of knowledge and is applicable to the product with regard to appropriate safety precautions.  
The information describes exclusively the safety requirements for the product (s) and is based on the present level of our knowledge.  
The delivery specifications are contained in the corresponding product sheet.  
This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations.  
(n.a. = not applicable; n.d. = not determined)

---

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

