

**Section 1: Identification of the Substance/Mixture and of the Company/Undertaking****1.1 Product identifier:****Identification as on the label/Trade name:** engine cleaner**Product number:** KC-10.10.051.02, KC-10.10.050.19, KC-10.10.050.94, KC-10.10.050.20, KC-10.10.050.21**EAN:** 8682729303703, 8682729303222, 8682729303987, 8682729303239, 8682729303246**1.2 Relevant identification uses of the substance and uses advised against:****Identified uses:** For use as a motor cleaner. Diluted with water in a maximum ratio of 1:10 and applied directly to the exterior surface. Shake well before use. Spray parts thoroughly from 15 -20 cm, allow to act and rinse off the loosened dirt.**Uses advised against:** No other uses are advised.**1.3 Details of the Supplier of the Safety Data Sheet:**KOCHMAIER  
Minervastr. 36  
74613 Öhringen  
+49-170-290-6038**1.4 Emergency telephone numbers:**24-hour Emergency Contact:  
+49-170-290-6038**Section 2: Hazards Identification****2.1 Classification of the substance or mixture:****2.1.1 The mixture is classified according to:** Regulation EC 1272/2008 [EU-GHS/CLP]**Hazard classes/Hazard categories:**Skin corrosive, Category 1A  
Eye damage, Category 1  
Acute toxicity, Oral, Category 4**2.1.2 Additional information:**

For full text of Hazard- and EU Hazard-statements: see Section 16.

**2.2 Label elements:****Hazard pictogram(s):****Signal word:** Danger.**Hazard statements:**H314 Causes severe skin burns and eye damage.  
H318 Causes serious eye damage.  
H303 May be harmful if swallowed.

**Precautionary statements:**
**Prevention**

P260 Do not breathe dusts or mists.

P264 + P265 Wash hands thoroughly after handling. Do not touch eyes.

P280 Wear protective gloves/protective clothing/eye protection.

**Response**

P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P302 + P361 + P354 IF ON SKIN: Take off immediately all contaminated clothing. Immediately rinse with water for several minutes.

P305 + P354 + P338 IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P316 Get emergency medical help immediately.

P363 Wash contaminated clothing before reuse.

P321 Specific treatment (see supplemental first aid instruction on this label)

**Storage**

P405 Store locked up.

**Disposal**

P501 Dispose of contents/container to in accordance with local/national regulations.

**2.3 Other hazards:**

No PBT, vPvB or endocrine disrupting substances present in concentrations of  $\geq 0.1\%$

**Section 3: Composition/Information on Ingredients**

**3.1 Substance:** Not applicable.

**3.2 Mixture:**

Substance name (IUPAC/EC)	CAS-No.	Concentration % by weight	SCLs, M-Factors, Acute Toxicity Estimates (ATE)	Classification EC1272/2008
	EC-No.			
sodium hydroxide caustic soda	1310-73-2	5 – 10%	Eye Irrit. 2; H319: 0,5 % $\leq$ C < 2 % Skin Corr. 1A; H314: C $\geq$ 5 % Skin Corr. 1B; H314: 2 % $\leq$ C < 5 % Skin Irrit. 2; H315: 0,5 % $\leq$ C < 2 %	Skin Corr. 1A H314
	215-185-5			
Alcohols, C10-16, ethoxylated, sulfates, sodium salts	68585-34-2	5 – 10%	-	Skin Irrit. 2 H315 Eye Irrit. 2 H319
	211-416-0			
Etidronic acid	28909-21-4	5 – 10%	-	Met. Corr. 1 H290 Acute Tox. 4H302 Eye Dam. 1 H318
	220-552-8			
	203-905-0			

For full text of H-statements, see Section 16.

## Section 4: First-Aid Measures

### **4.1 Description of first aid measures:**

**If inhaled:** If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

**In case of skin contact:** Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.

**In case of eye contact:** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**If swallowed:** Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

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

No further information available.

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

Treat symptomatically.

## Section 5: Fire-Fighting Measures

### **5.1 Extinguisher media:**

**Suitable extinguisher media:** Use water-spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Unsuitable extinguishing media:** Water jet.

### **5.2 Special hazards arising from the mixture:**

No special hazards are known.

### **5.3 Recommendations for firefighting personnel:**

Evacuate area and contact emergency services. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire.

## Section 6: Accidental Release Measures

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

**Advice for non-emergency personnel:** Proper protective equipment should be used (see 'Exposure controls / personal protection'). Personnel should be trained for spill response operations.

**Advice for emergency personnel:** Keep unnecessary and unprotected personnel from entering the area.

### **6.2 Environmental precautions:**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

### **6.3 Methods for containment and cleaning up:**

Wipe up spill with absorbent material (e.g. cloth, fleece). Keep in suitable, closed containers for disposal. Dispose of in accordance with local regulations.

## Section 7: Handling and Storage

### **7.1 Precautions for safe handling:**

Follow good manufacturing practices for housekeeping and personal hygiene. Avoid contact with skin and eyes.

### **7.2 Conditions for safe storage, including incompatibilities:**

Store in the original packaging in a cool, dry place, protected from heat and sun. Do not keep open for more than 2 minutes after opening. Keep container tightly closed.

## Section 8: Exposure Controls and Personal Protection

### **8.1 Control parameters:**

**Occupational exposure limits:** Does not contain any substances with Occupational Exposure Limits.

### **8.2 Exposure controls:**

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

### **Individual protection measures, such as personal protective equipment:**

**Eye/ face protection:** Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

**Hand protection:** Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

#### **Full contact**

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 480 min

**Splash contact**

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 480 min

**Body protection:** Protective clothing as appropriate. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.**Respiratory protection:** Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N99 (US) or type P2 (EN 143) respirator cartridges as a backup to engineering controls.**Section 9: Physical and Chemical Properties****9.1 Information on basic physical and chemical properties:****Physical state:** Liquid.**Colour:** Yellow.**Odour and odour threshold:** Odourless.**pH (concentration):** No data available.**Melting point/range (°C):** No data available.**Boiling point/range (°C):** No data available.**Flash point (°C):** No data available.**Evaporation rate:** No data available.**Flammability (solid, gas):** No data available.**Upper/lower flammability/explosive limits:** No data available.**Vapour pressure:** No data available.**Vapour density:** No data available.**Relative density (20 °C):** No data available.**Water solubility:** Soluble.**Solubility in other solvents:** No data available.**n-Octanol/Water partition coefficient:** No data available.**Auto-ignition temperature:** No data available.**Decomposition temperature:** No data available.**Viscosity, dynamic (mPa.s):** No data available.**9.2 Other data:****9.2.1 Additional information:****Volatile organic compounds:** No data available.**Miscibility:** No data available.**Conductivity:** No data available.**Evaporation rate:** No data available.**Viscosity:** No data available.**Oxidising properties:** No data available.**Liposolubility:** No data available.**Characteristic properties of substance groups peroxides:** No data available.**9.2.2 Other safety characteristics:** None.

**Section 10: Stability and Reactivity**

**10.1 Reactivity:** None known.

**10.2 Chemical stability:** Stable under recommended conditions of use and storage.

**10.3 Possibility of hazardous reactions:** No hazardous reactions known.

**10.4 Conditions to avoid:** No data available.

**10.5 Incompatible materials:** No data available.

**10.6 Hazardous decomposition products:** Under normal conditions of storage and use, hazardous decomposition products should not be produced.

**Section 11: Toxicological Information****11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:**

**Acute toxicity:** May be harmful if swallowed.

**Skin corrosion/irritation:** Causes severe skin burns and eye damage.

**Serious eye damage/irritation:** Causes serious eye damage.

**Respiratory or skin sensitization:** Not classified. Based on available data, the classification criteria are not met.

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

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

**Reproductive toxicity:** Not classified. Based on available data, the classification criteria are not met.

**STOT-single exposure:** Not classified. Based on available data, the classification criteria are not met.

**STOT-repeated exposure:** Not classified. Based on available data, the classification criteria are not met.

**Aspiration hazard:** Not classified. Based on available data, the classification criteria are not met.

**11.2 Information regarding other hazard classes which relates to endocrine disrupting properties:**

**Endocrine disrupting properties:** No PBT, vPvB or endocrine disrupting substances present in concentrations of  $\geq 0.1\%$

**Section 12: Ecological Information**

**12.1 Toxicity:** The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

**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& vPvB assessment:** No PBT or vPvB substances present in concentrations of  $\geq 0.1\%$

**12.6 Endocrine disrupting properties:** No endocrine disruptors present at concentration of  $\geq 0.1\%$

**12.7 Other adverse effects:** No data available.

**Section 13: Disposal Considerations**

**13.1 Waste treatment methods:** Dispose of according to local regulations.

**Packaging:** Empty containers should be taken to an approved waste handling site for recycling or disposal.

**Section 14: Transport Information**

**14.1 UN number:** 1760

**14.2 UN proper shipping name:** CORROSIVE LIQUID, N.O.S.

**14.3 Transport hazard class:** 8

**14.4 Packing group:** III

**14.5 Environmental hazards:** No.

**14.6 Special precautions for user:** Refer to Sections 6 – 8

**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 for the mixture:**

Directive 98/24/CE (Risks related to chemical agents during work)

Directive 2000/39/EC (Occupational exposure limits)

Regulation (EC) 1907/2006 (REACH)

Regulation (EC) 1272/2008 (CLP)

Regulation (EC) 790/2009 (ATP 1 CLP) and (EU) no. 758/2013

Regulation (EU) 2020/878

Regulation (EU) 286/2011 (ATP 2 CLP)

Regulation (EU) 618/2012 (ATP 3 CLP)

Regulation (EU) 487/2013 (ATP 4 CLP)

Regulation (EU) 944/2013 (ATP 5 CLP)

Regulation (EU) 605/2014 (ATP 6 CLP)

Regulation (EU) 1221/2015 (ATP 7 CLP)

Regulation (EU) 918/2016 (ATP 8 CLP)

Regulation (EU) 1179/2016 (ATP 9 CLP)

Regulation (EU) 2017/776 (ATP 10 CLP)

Regulation (EU) 2018/669 (ATP 11 CLP)

Regulation (EU) 2018/1480 (ATP 13 CLP)

Regulation (EU) 2019/521 (ATP 12 CLP)

Regulation (EU) 2020/217 (ATP 14 CLP)

Regulation (EU) 2020/1182 (ATP 15 CLP)

Regulation (EU) 2021/643 (ATP 16 CLP)

ECHA website

RIGOLETTO website (WGK)

IFA GESTIS (OEL) website

**SVHC Substances:** This product does not contain substances of very high concern above the corresponding legal concentration limit. ( $\geq 0.1$  % w/w) according to EC regulation 1907/2006 (REACH), article 57.

**15.2 Chemical Safety Assessment carried out:**

No chemical safety assessment has been carried out for the mixture. The Safety Data Sheet incorporates the relevant information on the components of the mixture and, where possible, includes related exposure scenarios.

**Section 16: Other Information**

**Indication of changes:** First version.

**Relevant classification and H statements (number and full text):**

H290 May be corrosive to metals.  
H302 Harmful if swallowed.  
H303 May be harmful if swallowed.  
H314 Causes severe skin burns and eye damage.  
H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.  
H331 Toxic if inhaled.  
H335 May cause respiratory irritation.

**Main bibliographical sources:**

The results of toxicological studies or their suppliers.  
ECHA website, GESTIS website (international exposure limit values), ACGIH (TLV and Bet).

**Notice to readers:**

The information detailed here is based on our knowledge up to the date indicated above. Refers exclusively to the product indicated and does not constitute a guarantee of particular qualities. The user must ensure the suitability and accuracy of said information in relation to the specific use to be made of the product.

**List of abbreviations:**

ACGIH American Conference of Governmental Industrial Hygienists  
ADR European Agreement Concerning the International Carriage of Dangerous Goods by Road  
ALARA As Low As Is Reasonably Achievable  
AMU Atomic Mass Unit  
ANSI American National Standards Institute  
CAM Continuous Air Monitor  
CAS Chemical Abstracts Service (division of the American Chemical Society)  
CEN European Committee for Standardization  
CERCLA Comprehensive Environmental Response Compensation and Liability Act  
CLP Classification, Labelling and Packaging (European Union)  
CPR Controlled Products Regulations (Canada)  
CWA Clean Water Act (USA)  
DAC Derived Air Concentration (USA)  
DOT United States Department of Transportation (USA)  
DSL Domestic Substances List (Canada)  
EC50 Half Maximal Effective Concentration  
EINECS European Inventory of Existing Commercial Chemical Substances  
EHS Environmentally Hazardous Substance  
ELINCS European List of Notified Chemical Substances  
EMS Emergency Response Procedures for Ships Carrying Dangerous Goods  
EPA Environmental Protection Agency (USA)  
EPCRA Emergency Planning and Community Right-To-Know Act (EPCRA) of 1986  
GHS Globally Harmonized System  
HMIS Hazardous Materials Identification System (USA)  
IARC International Agency for Research on Cancer  
IATA International Air Transport Association  
IBC Intermediate Bulk Containers  
ICAO International Civil Aviation Organization  
IDLH Immediately Dangerous to Life or Health  
IMDG International Maritime Code for Dangerous Goods



LC50 Lethal concentration, 50 percent  
LD50 Lethal dose, 50 percent  
LDLO Lethal Dose Low  
LOEC Lowest-Observed-Effective Concentration  
MARPOL International Convention for the Prevention of Pollution from Ships  
MSHA Mine Safety and Health Administration (USA)  
NCRP National Council on Radiation Protection & Measurements (USA)  
NDSL Non-Domestic Substances List (Canada)  
NFPA National Fire Protection Association (USA)  
NIOSH National Institute for Occupational Safety and Health (USA)  
NOEC No Observed Effect Concentration  
N.O.S. Not Otherwise Specified  
NRC Nuclear Regulatory Commission (USA)  
NTP National Toxicology Program (USA)  
OSHA Occupational Safety and Health Administration (USA)  
PBT Persistent Bioaccumulative and Toxic Chemical  
PEL Permissible Exposure Limit  
PIH Poisonous by Inhalation Hazard  
RCRA Resource Conservation and Recovery Act (USA)  
REACH Registration, Evaluation, Authorisation and Restriction of Chemicals (Europe)  
RID Regulations Concerning the International Transport of Dangerous Goods by Rail  
RTECS Registry of Toxic Effects of Chemical Substances  
SARA Superfund Amendments and Reauthorization Act (USA)  
TDG Transportation of Dangerous Goods (Canada)  
TIH Toxic by Inhalation Hazard  
TLV Threshold Limit Value  
TPQ Threshold Planning Quantity  
TSCA Toxic Substances Control Act  
TWA Time Weighted Average  
UN United Nations (Number)  
VOC Volatile Organic Compound  
vPvB Very Persistent Very Bioaccumulative Chemical  
WHMIS Workplace Hazardous Materials Information System