



ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2015/830

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1 Product identifier**

Product Name Stainless Steel Cleaner DK5
FID 3-261
UFI 7ANR-Y221-7000-ADCN
CAS No. Not applicable.
EC No. Not applicable.
REACH Registration No. Not known.

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

Identified Use(s) Cleaning agent
Uses Advised Against Cosmetic Use

1.3 Details of the supplier of the safety data sheet

Manufacturer
Company Identification intelligent fluids GmbH
Address of Manufacturer Karl-Heine-Str. 99.
Postal code D - 04229 Leipzig
Telephone: +49(0)3 41 – 319 68 10
Fax +49(0)3 41 – 319 68 09
E-mail info@intelligent-fluids.com

1.4 Emergency telephone number

Emergency Phone No. +49(0)1 76 – 621 45 742 or +49(0)1 76 – 621 45 743
Contact Quality & Regulatory (info@intelligent-fluids.com)

SECTION 2: HAZARDS IDENTIFICATION**2.1 Classification of the substance or mixture**

Regulation (EC) No. 1272/2008 (CLP) Not classified as dangerous for supply/use.

2.2 Label elements

Product Name According to Regulation (EC) No. 1272/2008 (CLP)
Stainless Steel Cleaner DK5
Hazard Pictogram(s) None.
Signal Word(s) None.
Hazard Statement(s) None.
Precautionary Statement(s) None.
2.3 Other hazards None known.
2.4 Additional Information None.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**3.1 Substances**

Not applicable.

3.2 Mixtures

HAZARDOUS INGREDIENT(S)	CAS No.	EC No. / REACH Registration No.	%W/W	Hazard Statement(s)	Hazard Pictogram(s)
Sulfuric acid, mono-C12-18-alkyl esters, sodium salts	68955-19-1	273-257-1	< 10	Eye Dam. 1 H318 SCL (1): 20%; H319: Eye Irrit. 2, SCL (2): 10% (10% < C ≤ 20%)	GHS07

SECTION 4: FIRST AID MEASURES**4.1 Description of first aid measures**

Inhalation If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
Skin Contact Wash skin with water.



Eye Contact Flush eyes with water for at least 15 minutes.
Ingestion Wash out mouth with water.

4.2 Most important symptoms and effects, both acute and delayed

None anticipated. Treat symptomatically.

4.3 Indication of any immediate medical attention and special treatment needed

Unlikely to be required but if necessary treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES**5.1 Extinguishing media**

Suitable Extinguishing media As appropriate for surrounding fire. Water (water mist), carbon dioxide (CO₂), fire extinguishing powder, alcohol resistant foam

Unsuitable extinguishing media Full water jet

5.2 Special hazards arising from the substance or mixture

None anticipated. Heating may cause decomposition.

5.3 Advice for firefighters

As appropriate for surrounding fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures**

Provide adequate ventilation. Wear suitable gloves if prolonged skin contact is likely.

6.2 Environmental precautions

Do not release large quantities into the surface water or into drains.

6.3 Methods and material for containment and cleaning up

Absorb spillages onto sand, earth or any suitable adsorbent material.

6.4 Reference to other sections

See Also Section 8, 13.

SECTION 7: HANDLING AND STORAGE**7.1 Precautions for safe handling**

Avoid prolonged contact with eyes and skin. Use only in adequately ventilated areas. Wear protective clothing. Do not smoke, eat or drink while working. Keep in original container and keep container tightly closed when product is not in use.

7.2 Conditions for safe storage, including any incompatibilities

Storage temperature

10 - 40 °C. Protect from freezing. Protect against heat.

Incompatible materials

Store in a cool and well-ventilated location. Do not expose to oxidizing agents and strongly acid or alkaline materials.

7.3 Specific end use(s)

Cleaning agent

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1 Control parameters**

8.1.1 Occupational Exposure Limits No Occupational Exposure Limit assigned.

8.2 Exposure controls

8.2.1. Appropriate engineering controls Ensure adequate ventilation.

8.2.2. Personal protection equipment



Eye Protection

Wear eye protection with side protection (EN166).



Skin protection

Not normally required.
Suitable material: nitrile rubber, neoprene; Material thickness > 0,4 mm; Break through time > 480 minutes.
Unsuitable material: PVC (polyvinyl chloride), PVA (polyvinyl alcohol).



Respiratory protection

Normally no personal respiratory protection is necessary.



Thermal hazards None known.

8.2.3. Environmental Exposure Controls Do not release large quantities into the surface water or into drains.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Colour : Almost colourless to pale yellow
Odour	Nearly odourless
Odour threshold	Not known.
pH	5,0 – 7,0
Melting point/freezing point	-5 °C
Initial boiling point and boiling range	100 °C
Flash Point	Not applicable
Evaporation rate	Not known.
Flammability (solid, gas)	Not known.
Upper/lower flammability or explosive limits	Not known.
Vapour pressure	Not known.
Vapour density	Not known.
Density (g/ml)	890 - 1000 kg/m ³
Relative density	Not known.
Solubility(ies)	Solubility (Water) : Emulsion Solubility (Other) : Not known.
Partition coefficient: n-octanol/water	Not known.
Auto-ignition temperature	Not applicable
Decomposition Temperature (°C)	Not known.
Viscosity	Not known.
Explosive properties	Not explosive
Oxidising properties	Not known.

9.2 Other information

Flowtime (DIN 53211, 2 mm) 59 – 63 s

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

None anticipated.

10.2 Chemical Stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No hazardous reactions known if used for its intended purpose.

10.4 Conditions to avoid

Do not expose to oxidizing agents and strongly acid or alkaline materials.

10.5 Incompatible materials

Not known.

10.6 Hazardous decomposition products

At high temperatures, hazardous decomposition products like carbon monoxide, carbon dioxide gases may arise.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity - Ingestion	Not classified.
Acute toxicity - Skin Contact	Not classified.
Acute toxicity - Inhalation	Not classified.
Skin corrosion/irritation	Not classified.
Serious eye damage/irritation	Not classified.
Skin sensitization data	Not classified.
Respiratory sensitization data	Not classified.
Germ cell mutagenicity	Not classified.
Carcinogenicity	Not classified.
Reproductive toxicity	Not classified.
Lactation	Not classified.
STOT - single exposure	Not classified.



STOT - repeated exposure Not classified.
Aspiration hazard Not classified.
11.2 Other information Not known.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity - Aquatic invertebrates Non-toxic to aquatic life.
Toxicity - Fish Non-toxic to aquatic life.
Toxicity - Algae Non-toxic to aquatic life.
Toxicity - Sediment Compartment Not classified.
Toxicity - Terrestrial Compartment Not classified.

12.2 Persistence and Degradation

Not persistent. Readily Biodegradable.

12.3 Bioaccumulative potential

The product has no potential for bioaccumulation.

12.4 Mobility in soil

Not known.

12.5 Results of PBT and vPvB assessment

Not classified as PBT or vPvB.

12.6 Other adverse effects

Not known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Dispose at suitable refuse site.

13.2 Additional Information

No special precautions are required for this product.

European Waste catalogue (for the unused product):

20 01 30 detergents other than those mentioned in 20 01 29

SECTION 14: TRANSPORT INFORMATION

Not classified as hazardous for transport.

14.1 UN number

Not applicable

14.2 UN proper shipping name

Not applicable

14.3 Transport hazard class(es)

Not applicable

14.4 Packing group

Not applicable

14.5 Environmental hazards

Not classified as a Marine Pollutant.

14.6 Special precautions for user

Not known

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

Not known

SECTION 15: REGULATORY INFORMATION

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

European Regulations - Authorisations and/or Restrictions On Use

Candidate List of Substances of Very High Concern for Authorisation Not listed

REACH: ANNEX XIV list of substances subject to authorisation Not listed

REACH: Annex XVII Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles Not listed

Community Rolling Action Plan (CoRAP) Regulation (EC) N° 850/2004 of the Not listed

Not listed



European Parliament and of the Council
on persistent organic pollutants
Regulation (EC) N° 1005/2009 on
substances that deplete the ozone layer
Regulation (EU) N° 649/2012 of the
European Parliament and of the Council
concerning the export and import of
hazardous chemicals

Not listed

Not listed

National regulations

Water hazard class:

WGK 1: weakly water-endangering (self-rating according to AwSV)

Other

Not known.

15.2 Chemical Safety Assessment

A REACH chemical safety assessment has not been carried out.

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements:

LEGEND

Hazard Pictogram(s)

None.

GHS07: GHS: Exclamation mark

Hazard classification

Eye Dam. 1 : Serious eye damage/irritation, Category 1

Hazard Statement(s)

H318: Causes serious eye damage.

H319: Causes serious eye irritation.

Precautionary Statement(s)

None.

Acronyms

CAS : Chemical Abstracts Service

CLP : Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

DNEL : Derived No Effect Level

EC : European Community

EINECS : European Inventory of Existing Commercial Chemical Substances

LTEL : Long term exposure limit

PBT : Persistent, Bioaccumulative and Toxic

PNEC : Predicted No Effect Concentration

REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals

STEL : Short term exposure limit

STOT : Specific Target Organ Toxicity

vPvB : very Persistent and very Bioaccumulative

Disclaimers

The data in this safety data sheet is based on data considered to be accurate as of the date of revision. The information presented should be used as a guideline for the safe handling, storage, processing, transport and disposal of the product presented in this safety data sheet. The details named are not transferable to other products. If the indicated product of this safety data sheet is mingled, mixed or processed with other materials the details of this safety data sheet can not be transferred. In no event shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential, or exemplary damages howsoever arising, even if the company has been advised of the possibility of such damages.