



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 Display Cleaner PK5
FID J-2ED
UFI P9S1-9J4H-Y00S-FXAE
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

According to Regulation (EC) No. 1272/2008 (CLP)
Product Name Display Cleaner PK5
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)
Ethanol	64-17-5	200-578-6	< 5	Flam. Liq. 2 H225	GHS02
1-Methoxypropan-2-ol	107-98-2	203-539-1	< 3	Flam. Liq. 2 H226 STOT SE 3 H336	GHS02 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. If necessary wear self-contained breathing apparatus for fire fighting

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

Adsorb 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 - 35 °C. Protect from freezing. Protect against heat.

Incompatible materials

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**

Occupational Exposure Limits						
SUBSTANCE.	CAS NO.	LTCL (8 hr TWA ppm)	LTCL (8 hr TWA mg/m ³)	STEL (ppm)	STEL (mg/m ³)	Note:
Ethanol	64-17-5	200	380			DFG, Y, 4(II)
1-Methoxypropan-2-ol	107-98-2	100	370			DFG, EU, Y, 2(I)
1-Methoxypropan-2-ol	107-98-2	100	375	150	568	IOELV, Skin



Region EU Germany	Source EU Occupational Exposure Limits Technische Regeln Für Gefahrstoffe (TRG900)
Remark DFG Y	Notes Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe der DFG (MAK-Kommission) ein Risiko der Fruchtschädigung braucht bei Einhaltung des Arbeitsplatz- grenzwertes und des biologischen Grenzwertes (BGW) nicht befürchtet zu werden
4(II) EU	überschreitungsfaktor 4, Kategorie II für Kurzzeitwerte Europäische Union (Von der EU wurde ein Luftgrenzwert festgelegt: Abweichungen bei Wert und Spitzenbegrenzung sind möglich.)
2(I) IOELV	überschreitungsfaktor 2, Kategorie I für Kurzzeitwerte Indicative Occupational Exposure Limit Values.
Skin	The possibility of significant uptake through the skin.

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 : colourless
Odour	fresh
Odour threshold	Not known.
pH	5,5
Melting point/freezing point	-4 °C
Initial boiling point and boiling range	89 °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)	990 – 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 known.
Decomposition Temperature (°C)	Not known.
Viscosity	Not known.
Explosive properties	Not explosive
Oxidising properties	Not known.

9.2 Other information

Flow time (DIN 53211, 2 mm) 40 -45 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** Keep away from highly acid or alkaline substances as well as oxidizing agents to avoid exothermic reactions..
- 10.5 Incompatible materials** Not known.
- 10.6 Hazardous decomposition products** At high temperatures, hazardous decomposition products like carbon monoxide, carbon dioxide, sulphur oxides 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 | No data |
| Toxicity - Terrestrial Compartment | No data |
- 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** No data
- 12.5 Results of PBT and vPvB assessment** Not classified as PBT or vPvB.
- 12.6 Other adverse effects** No data.

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 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 Ethanol (64-17-5), 1-Methoxypropan-2-ol (107-98-2)

Community Rolling Action Plan (CoRAP) Not listed

Regulation (EC) N° 850/2004 of the European Parliament and of the Council on persistent organic pollutants Not listed

Regulation (EC) N° 1005/2009 on substances that deplete the ozone layer Not listed

Regulation (EU) N° 649/2012 of the European Parliament and of the Council concerning the export and import of hazardous chemicals Not listed

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National regulations

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.

GHS02: GHS: Flame
GHS07: GHS: Exclamation mark

Hazard classification Flam. Liq. 2 : Flammable Liquid, Category 2
STOT SE 3: Specific target organ toxicity – single exposure, Category 3



Hazard Statement(s)	H225: Highly flammable liquid and vapour H226: Flammable liquid and vapour H336: May cause drowsiness or dizziness
Precautionary Statement(s) Acronyms	None. 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.