

Safety data sheet

according to 1907/2006/EC, Article 31

Printing Date: EN - 01.06.2020

Revision / Date: v2.0 - 01.06.2020

SECTION 1:

Identification of the Substance / Mixture and of the Company / Undertaking

1.1 Product identifier

Trade name: **Hand Clean (DEK Brand)**

Product Specification Number + Product Code:

Refers to DEK Brand Consumables:

Part No.: 115809 / 03128534 (Tub - 100x Wipes)

Part No.: 173280 / 03132440 (Pack - 100x Wipes)

Safety Data Sheet Number: **ASM TSDS 004 v2.0 EN**

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

No further relevant information available.

Application of the substance / the mixture: Hand cleaning agent

1.3 Details of the supplier of the Safety Data Sheet Manufacturer / Supplier:

ASM Assembly Systems GmbH & Co. KG

Rupert-Mayer-Strasse 44

81379 Munich, Germany

Web: www.asm-smt.com

Mail: reach@asmpt.com

Informing department:

Phone: +49 (89) 20800-27819

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1.4 Emergency telephone number:

Phone: +49 (89) 20800-27819

Bürozeiten / Office hours: 08:00-17:00 Monday to Friday

SECTION 2: Hazards Identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008



GHS02 Flame

Flam. Sol. 1

H228 Flammable solid.



GHS07

Eye Irrit. 2

H319 Causes serious eye irritation.

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2.2 Label elements**Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulations.

Hazard pictograms

GHS02



GHS07

Signal word: Danger**Hazard-determining components of labelling:**

ethanol

propan-2-ol

Hazard statements

H228 Flammable solid.

H319 Causes serious eye irritation.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P240 Ground and bond container and receiving equipment.

P241 Use explosion-proof [electrical / ventilating / lighting] equipment.

P264 Wash thoroughly after handling.

P280 Wear protective gloves/protective clothing / eye protection/face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice / attention.

P370+P378 In case of fire: Use CO₂, powder or water spray to extinguish.**2.3 Other hazards****Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable**SECTION 3: Composition / Information of Ingredients****3.2 Chemical characterisation:** Mixtures**Description:** Impregnated Cleaning Wipes.

Dangerous components:				
CAS: 64-17-5 EINECS: 200-578-6 Reg.nr.: 01-2119457610-43-X			ethanol Flam. Liq. 2, H225	2.5-10%
CAS: 67-63-0 EINECS: 200-661-7 Reg.nr.: 01-2119457558-25-X			propan-2-ol Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336	2.5-10%

Additional information: For the wording of the listed hazard phrases refer to Section 16.

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SECTION 4: First Aid Measures**4.1 Description of first aid measures****After inhalation:** Supply fresh air; consult doctor in case of symptoms.**After skin contact:** The product is not skin irritating.**After eye contact:** Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.**After swallowing:** In case of persistent symptoms consult doctor.**4.2 Most important symptoms and effects, both acute and delayed:** No further relevant information**4.3 Indication of any immediate medical attention and special treatment needed:**

No further relevant information available.

SECTION 5: Firefighting Measures**5.1 Extinguishing media****Suitable extinguishing agents:**

Extinguishing powder, foam or water jet. Fight larger fires with water jet or alcohol-resistant foam.

For safety reasons unsuitable extinguishing agents: Water with a full water jet.**5.2 Special hazards arising from the substance or mixture:**

Can be released in case of fire: Carbon monoxide (CO)

5.3 Advice for firefighters**Protective equipment:** Wear breathing protection if necessary.**Additional information:** Use water to keep fire exposed containers cool.**SECTION 6: Accidental Release Measures****6.1 Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation

Keep away from ignition sources

Use breathing protection against the effects of fumes / dust / aerosol.

Wear protective equipment. Keep unprotected persons away.

6.2 Environmental precautions: Do not allow to enter drainage system, surface or ground water.**6.3 Methods and material for containment and cleaning up:**

Dilution with water is possible.

Ensure adequate ventilation.

6.4 Reference to other sections

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

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SECTION 7: Handling and Storage**7.1 Precautions for safe handling**

Keep away from heat and direct sunlight.

Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).

Avoid the formation of inflammable and explosive solvent vapours in the air and prevent the maximum workplace concentration values from being exceeded.

Information about protection against explosions and fires:

Keep ignition sources away - Do not smoke.

7.2 Conditions for safe storage, including any incompatibilities**Storage****Requirements to be met by storerooms and containers:**

Observe special regulations specified in Section 15.

Store in cool location.

Information about storage in one common storage facility:

Keep away from strong oxidizing, alkalis and acidic materials.

Further information about storage conditions:

Keep container tightly sealed.

Store in cool, dry conditions in well-sealed containers.

7.3 Specific end use(s): No further relevant information available.**SECTION 8: Exposure Controls / Personal Protection****8.1 Control parameters**

Components with limit values that require monitoring at the workplace:		
64-17-5 ethanol		
	WEL (Great Britain)	Long-term value: 1920 mg/m ³ , 1000 ppm
67-63-0 propan-2-ol		
	WEL (Great Britain)	Short-term value: 1250 mg/m ³ , 500 ppm Long-term value: 999 mg/m ³ , 400 ppm

Additional information: The lists valid during the compilation were used as a basis.**8.2 Exposure controls****Personal protective equipment:****General protective and hygienic measures:**

Keep away from foodstuffs, beverages and food.

Take off all contaminated clothing immediately.

Wash hands during breaks and at the end of work.

Avoid contact with the eyes.

Breathing equipment: Not necessary if room is well-ventilated.**Protection of hands:**

In case of longer or repeated contact with the skin: use protective cream for the skin surfaces coming into contact with the product.

No chemical-protective gloves required.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

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Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact break through time is determined by the manufacture of the protective gloves and observation.

Eye protection: Safety glasses recommended if possibility of liquid splashes exists.

Body protection: Protective work clothing.

SECTION 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

General Information	
Appearance: Form: Colour: Odour:	Solid White Alcohol-like
Change in condition Melting point/freezing point: Initial boiling point and boiling range:	Not determined Not determined
Flash point:	32 °C (DIN 51376)
Inflammability (solid, gaseous):	Highly flammable

Self-inflammability:	Product is not self-igniting.
Explosive properties:	Product is not explosive. However, formation of explosive air / steam mixtures is possible.
Critical values for explosion: Lower: Upper:	2.0 Vol % 15.0 Vol %
Vapour pressure at 20 °C:	59 hPa
Density	Not determined
Solubility in / Miscibility with Water:	Partly soluble
9.2 Other information	No further relevant information available.

SECTION 10: Stability and Reactivity

10.1 Reactivity No further relevant information available.

10.2 Chemical stability

Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions: No dangerous reactions known.

10.4 Conditions to avoid: No further relevant information available.

10.5 Incompatible materials: No further relevant information available.

10.6 Hazardous decomposition products:

None in case of intended use and storage in compliance with instructions.

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SECTION 11: Toxicological Information

11.1 Information on toxicological effects

Acute toxicity: Based on available data, the classification criteria are not met.**Primary irritant effect:****Skin corrosion/irritation:** Based on available data, the classification criteria are not met.**Serious eye damage/irritation:** Causes serious eye irritation.**Respiratory or skin sensitisation:** Based on available data, the classification criteria are not met.**CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)****Germ cell mutagenicity:** Based on available data, the classification criteria are not met.**Carcinogenicity:** Based on available data, the classification criteria are not met.**Reproductive toxicity:** Based on available data, the classification criteria are not met.**STOT-single exposure:** Based on available data, the classification criteria are not met.**STOT-repeated exposure:** Based on available data, the classification criteria are not met.**Aspiration hazard:** Based on available data, the classification criteria are not met.

SECTION 12: Ecological Information

12.1 Toxicity

Aquatic toxicity: No further relevant information available.**12.2 Persistence and degradability:** No further relevant information available.**Other information:** Not established.**12.3 Bio-accumulative potential:** No further relevant information available.**12.4 Mobility in soil:** No further relevant information available.**Additional ecological information:****General notes:**

Water hazard class 1 (German Regulation - DE) (Self-assessment): slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

12.5 Results of PBT and vPvB assessment**PBT:** Not applicable.**vPvB:** Not applicable.**12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal Considerations

13.1 Waste treatment methods

Recommendation

The waste code numbers mentioned are recommendations based on the probable use of the product.

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

European waste catalogue	
15 00 00	WASTE PACKAGING: ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED
15 02 00	absorbents, filter materials, wiping cloths and protective clothing
15 02 02*	absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by hazardous substances

Uncleaned packaging(s):**Recommendation:** Dispose of packaging according to regulations on the disposal of packaging(s).**Recommended cleaning agent:** Water, if necessary, with cleaning agent.

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SECTION 14: Transport Information

14.1 UN-Number ADR, IMDG, IATA	UN3175
14.2 UN proper shipping name	
ADR	3175 SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (ETHANOL (ETHYL ALCOHOL), ISOPROPANOL (ISOPROPYL ALCOHOL))
IMDG	SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (ETHANOL (ETHYL ALCOHOL), ISOPROPANOL (ISOPROPYL ALCOHOL))
IATA	SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (ETHANOL, ISOPROPANOL (ISOPROPYL ALCOHOL))
14.3 Transport hazard class(es)	
ADR	
	
Class	4.1 (F1) Flammable solids, self-reactive substances and solid desensitized explosives
Label	4.1
IMDG, IATA	
	
Class	4.1 Flammable solids, self-reactive substances and solid desensitized explosives.
Label	4.1
14.4 Packing group ADR, IMDG, IATA	II
14.5 Environmental hazards: Marine pollutant:	Not applicable. No
14.6 Special precautions for user:	Warning: Flammable solids, self-reactive substances and solid desensitized explosives.
Kemler Number:	40
EMS Number:	F-A, S-I
Stowage Category:	B

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14.7 Transport in bulk according to Annex II of Marpol and the IBC Code:	Not applicable.
Transport/Additional information:	
ADR	
Limited quantities (LQ):	1 kg
Excepted quantities (EQ):	Code: E2 Maximum net quantity per inner packaging: 30 g Maximum net quantity per outer packaging: 500 g
Transport category	2
Tunnel restriction code	E
IMDG	
Limited quantities (LQ):	1 kg
Excepted quantities (EQ):	Code: E2 Maximum net quantity per inner packaging: 30 g Maximum net quantity per outer packaging: 500 g
UN "Model Regulation":	UN 3175 SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (ETHANOL (ETHYL ALCOHOL), ISOPROPANOL (ISOPROPYL ALCOHOL)), 4.1, II

SECTION 15: Regulatory Information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****Directive 2012/18/EU****Named dangerous substances - ANNEX I:** None of the ingredients are listed.**REGULATION (EC) No 1907/2006 ANNEX XVII:** Conditions of restriction: 40**National regulations****Water hazard class:** Water hazard Class 1 (DE) (Self-assessment): Slightly hazardous for water.

Substances of very high concern (SVHC) according to REACH, Article 57
None of the ingredients are listed under the Regulations

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

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SECTION 16: Other Information

Further restrictions may apply in certain countries, End Users must review all local and national restrictions & safety advisory notices relating to the active ingredients shown in Section 3 before using this product.

The data contained in this document is based on the best & current knowledge of ASM AS.

However, the data **shall not** constitute a guarantee for any specific product features or establish any legally valid contractual relationship.

Relevant phrases

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

Department issuing data specification sheet:

This Safety Data Sheet has been authored / translated by ASM Assembly Systems (ASMAS) & in part with:

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Abbreviations and Acronyms:

ADR: Accord européen sur le transport des marchandises Dangereuses par Route
(European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
PBT: Persistent, Bio-accumulative and Toxic
SVHC: Substances of Very High Concern
vPvB: very Persistent and very Bio-accumulative
Flam. Liq. 2: Flammable liquids – Category 2
Flam. Sol. 1: Flammable solids – Category 1
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
WEL: Workplace Exposure Limits –based on data as defined within Great Britain (GB) only