



Safety Data Sheet according to Regulation (EC) No 1907/2006

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Replaces version from: -

Jeyes 4 in 1 Decking Power

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Jeyes 4 in 1 Decking Power

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

Intended use:

Hard Surface Cleaners (HSC)

1.3. Details of the supplier of the safety data sheet

Henkel Ltd.

Wood Lane End, Hemel Hempstead

HP2 4RQ Hertfordshire

Phone: +44 (0) 1442 278000

consumer.response@henkel.com

1.4. Emergency telephone number

Henkel Hemel Hempstead: +44 1442 278000 / 0845 490 0176 (Monday to Friday from 9.00 to 17:00)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP):

Skin Irrit. 2

H315 Causes skin irritation.

Eye Dam. 1

H318 Causes serious eye damage.

2.2. Label elements

Label elements (CLP):

Hazard pictogram:



Signal word:

Danger

Hazard statement:

H315 Causes skin irritation.

H318 Causes serious eye damage.

Precautionary statement: P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P280 Wear protective gloves/eye protection.
P302+P352 IF ON SKIN: Wash with plenty of water.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER/doctor.

Contains:
Alcohols, C12-15, ethoxylated, 7EO,
Didecyldimethylammonium chloride

2.3. Other hazards
None if used properly.

SECTION 3: Composition/information on ingredients

3.1. Substances

3.2. Mixtures

Hazardous substances according to CLP (EC) No 1272/2008:

Hazardous substances CAS-No.	EINECS	REACH-Reg No.	Content	Classification
Alcohols, C12-15, ethoxylated, 7EO 68131-39-5			>= 1- < 5 %	Acute toxicity 4 H302 Serious eye damage 1 H318 Chronic hazards to the aquatic environment 3 H412
Didecyldimethylammonium chloride 7173-51-5	230-525-2		>= 1- < 5 %	Flammable liquids 3 H226 Acute toxicity 3; Oral H301 Chronic hazards to the aquatic environment 2 H411 Acute hazards to the aquatic environment 1 H400 Skin corrosion 1B H314 Serious eye damage 1 H318

For full text of the H - Phrases indicated by codes only see Section 16 "Other information".

SECTION 4: First aid measures

4.1. Description of first aid measures

General information:
In case of adverse health effects seek medical advice.

Inhalation:
Move to fresh air. In case of breathing difficulties seek immediate medical advice.

Skin contact:
Rinse with water. Take off all clothing contaminated by the product.

Eye contact:
Rinse immediately with plenty of running water (for 10 minutes), seek medical attention from a specialist.

Ingestion:

- Do not induce vomiting, seek medical advice immediately.
- Rinse mouth with water, (only if the person is conscious).

4.2. Most important symptoms and effects, both acute and delayed

After inhalation: Irritation of the respiratory tract, coughing. Inhalation of larger amounts may cause laryngospasm with shortness of breath.

After skin contact: Moderate to strong irritation of the skin (redness, swelling, burning), severe burns also possible.

After eye contact: Corrosive, may cause permanent damage to eyes (impairment of vision).

After ingestion: Ingestion may cause irritation of mouth, throat, digestive tract, diarrhea and vomiting. Vomit may get into the lungs causing damage (aspiration).

4.3. Indication of any immediate medical attention and special treatment needed

After inhalation: No special action.

After skin contact: No special action.

After eye contact: No special action.

After ingestion: Do not induce vomiting. Single administration of a non-carbonated beverage (water or tea).

After ingestion: In case of ingestion of larger or unknown quantities administer a defoamer (Dimeticon or Simeficon).

SECTION 5: Firefighting measures**5.1. Extinguishing media**

Suitable extinguishing media:

- Water spray jet (if possible, avoid full jet). Adapt the fire-fighting measures to the environmental conditions.
- Commercially available extinguishers are suitable for fighting incipient fires. The product itself does not burn.

Extinguishing media which must not be used for safety reasons:

None

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products can be formed by pyrolysis and/or carbon monoxide.

5.3. Advice for firefighters

Use personal protective equipment and self-contained breathing apparatus.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Avoid contact with skin and eyes.

Ensure adequate ventilation.

Danger of slipping on spilled product.

If large amounts are released contact the fire service.

6.2. Environmental precautions

Do not empty into drains / surface water / ground water.

6.3. Methods and material for containment and cleaning up

Remove mechanically. Rinse away residue with plenty of water.

6.4. Reference to other sections

See advice in section 8

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

No special measures required if used properly.

Hygiene measures:

Protective equipment only required in case of industrial use or for large packs (not for household packs)
 Avoid contact with skin and eyes. Remove soiled or soaked clothing immediately. Wash off any contamination that gets onto the skin with plenty of water, skin care.

7.2. Conditions for safe storage, including any incompatibilities

Store dry at between +5 and +40°C.
 Consider national regulations.

7.3. Specific end use(s)

Hard Surface Cleaners (HSC)
 Hard Surface Cleaners (HSC)

SECTION 8: Exposure controls/personal protection**Only relevant for professional/industrial use****8.1. Control parameters**

Valid for
 Great Britain

Contains no components with occupational exposure limit values.

8.2. Exposure controls

Respiratory protection:
 Not needed.

Hand protection:

For the contact with product protective gloves made from Spezial-Nitril (material thickness > 0.1 mm, break through time > 480 min class 6) are recommended according to EN 374. In the case of longer and repeated contact please note that in practice the penetration times may be considerably shorter than those determined according to EN 374. The protective gloves must always be checked for their suitability for use at the specific workplace (e.g. mechanical and thermal stress, antistatic effects, etc.). The gloves must be replaced immediately at the first signs of wear and tear. We recommend to change single-use protective gloves periodical and a hand care plan in cooperation with a glove manufacturer and the trade association in accordance with the local operating conditions.

Eye protection:
 Wear tight fitting goggles.

Skin protection:
 Protective clothing against chemicals. Observe manufacturer's instructions.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

The following data apply to the whole mixture.

a) Appearance	liquid thin colourless
b) Odor	odourless
c) Odour threshold	No data available / Not applicable
d) pH (20 °C (68 °F); Conc.: 100 % product)	10,5 - 11,05
e) Melting point	No data available / Not applicable
f) Initial boiling point and boiling range	No data available / Not applicable
g) Flash point	100 °C (212 °F) No flash point up to 100°C. Aqueous preparation.
h) Evaporation rate	No data available / Not applicable
i) Flammability (solid , gas)	No data available / Not applicable
j) Upper / lower flammability or explosive limits	No data available / Not applicable
k) Vapour pressure	No data available / Not applicable

l) Vapor density	No data available / Not applicable
m) Relative density	
Density	0,0988 - 1,028 g/cm ³
()	
n) Solubility (ies)	soluble in water
o) Partition coefficient: n-octanol/water	No data available / Not applicable
p) Auto-ignition temperature	No data available / Not applicable
q) Decomposition temperature	No data available / Not applicable
r) Viscosity	300 - 450 mPa.s
()	
s) Explosive properties	No data available / Not applicable
t) Oxidising properties	No data available / Not applicable

9.2. Other information

Not applicable

SECTION 10: Stability and reactivity**10.1. Reactivity**

None if used for intended purpose.

10.2. Chemical stability

Stable under normal conditions of temperature and pressure.

10.3. Possibility of hazardous reactions

See section reactivity

10.4. Conditions to avoid

No decomposition if used according to specifications.

10.5. Incompatible materials

None if used properly.

10.6. Hazardous decomposition products

No decomposition if used according to specifications.

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Acute oral toxicity:**

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Species	Method
Didecyldimethylammonium chloride 7173-51-5	LD50	238 mg/kg	rat	OECD Guideline 401 (Acute Oral Toxicity)

Acute dermal toxicity:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Species	Method
Alcohols, C12-15, ethoxylated, 7EO 68131-39-5	LD50	> 2.000 mg/kg	rat	OECD Guideline 402 (Acute Dermal Toxicity)
Didecyldimethylammonium chloride 7173-51-5	LD50	3.342 mg/kg	rabbit	not specified

Acute inhalative toxicity:

No data available.

Skin corrosion/irritation:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Result	Exposure time	Species	Method
Alcohols, C12-15, ethoxylated, 7EO 68131-39-5	not irritating	4 h	rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
Didecyldimethylammonium chloride 7173-51-5	corrosive	60 min	rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

Serious eye damage/irritation:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Result	Exposure time	Species	Method
Alcohols, C12-15, ethoxylated, 7EO 68131-39-5	highly irritating		rabbit	not specified

Respiratory or skin sensitization:

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Result	Test type	Species	Method
Alcohols, C12-15, ethoxylated, 7EO 68131-39-5	not sensitising	Guinea pig maximisation test	guinea pig	OECD Guideline 406 (Skin Sensitisation)
Didecyldimethylammonium chloride 7173-51-5	not sensitising	Buehler test	guinea pig	OECD Guideline 406 (Skin Sensitisation)

Germ cell mutagenicity:

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Result	Type of study / Route of administration	Metabolic activation / Exposure time	Species	Method
Alcohols, C12-15, ethoxylated, 7EO 68131-39-5	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		OECD Guideline 471 (Bacterial Reverse Mutation Assay)
Alcohols, C12-15, ethoxylated, 7EO 68131-39-5	negative	in vitro mammalian chromosome aberration test	with and without		OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)
Didecyldimethylammonium chloride 7173-51-5	negative	bacterial reverse mutation assay (e.g Ames test)	no data		OECD Guideline 471 (Bacterial Reverse Mutation Assay)
Didecyldimethylammonium chloride 7173-51-5	negative	in vitro mammalian chromosome aberration test	with and without		OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)
Didecyldimethylammonium chloride 7173-51-5	negative	mammalian cell gene mutation assay	no data		OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)
Didecyldimethylammonium chloride 7173-51-5	negative	oral: unspecified		rat	OECD Guideline 475 (Mammalian Bone Marrow Chromosome Aberration Test)

Carcinogenicity

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

Hazardous components CAS-No.	Result	Route of application	Exposure time / Frequency of treatment	Species	Sex	Method
Didecyldimethylammonium chloride 7173-51-5	not carcinogenic	oral: feed	104 weeks daily	rat	male/female	OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)

Reproductive toxicity:

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Result / Value	Test type	Route of application	Species	Method
Alcohols, C12-15, ethoxylated, 7EO 68131-39-5	NOAEL P \geq 250 mg/kg NOAEL F1 \geq 250 mg/kg NOAEL F2 \geq 250 mg/kg	Two generation study	oral: feed	rat	OECD Guideline 416 (Two-Generation Reproduction Toxicity Study)
Didecyldimethylammonium chloride 7173-51-5	NOAEL P 1500 ppm NOAEL F1 1500 ppm NOAEL F2 4000 ppm		oral: feed	rat	OECD Guideline 416 (Two-Generation Reproduction Toxicity Study)

STOT-single exposure:

No data available.

STOT-repeated exposure::

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Result / Value	Route of application	Exposure time / Frequency of treatment	Species	Method
Alcohols, C12-15, ethoxylated, 7EO 68131-39-5	NOAEL 500 mg/kg	oral: feed	90 d daily	rat	OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)
Didecyldimethylammonium chloride 7173-51-5	NOAEL ca. 45,5 mg/kg	oral: feed	93 days daily	rat	OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)

Aspiration hazard:

No data available.

SECTION 12: Ecological information

12.1. Toxicity

Toxicity (Fish):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Exposure time	Species	Method
Alcohols, C12-15, ethoxylated, 7EO 68131-39-5	LL50	> 1 - 10 mg/l	96 h	not specified	OECD Guideline 203 (Fish, Acute Toxicity Test)
Didecyldimethylammonium chloride 7173-51-5	LC50	0,97 mg/l	96 h	Brachydanio rerio (new name: Danio rerio)	OECD Guideline 203 (Fish, Acute Toxicity Test)
Didecyldimethylammonium chloride 7173-51-5	NOEC	0,041 mg/l	21 d	Oncorhynchus mykiss	OECD Guideline 204 (Fish, Prolonged Toxicity Test: 14-day Study)
Didecyldimethylammonium chloride 7173-51-5	NOEC	0,032 mg/l	34 d	Brachydanio rerio (new name: Danio rerio)	OECD Guideline 210 (fish early life stage toxicity test)

Toxicity (Daphnia):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Exposure time	Species	Method
Alcohols, C12-15, ethoxylated, 7EO 68131-39-5	EL50	> 1 - 10 mg/l	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Didecyldimethylammonium chloride 7173-51-5	EC50	0,034 mg/l	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)

Chronic toxicity to aquatic invertebrates

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Exposure time	Species	Method
Alcohols, C12-15, ethoxylated, 7EO 68131-39-5	NOEC	0,17 mg/l	21 d	Daphnia magna	OECD 211 (Daphnia magna, Reproduction Test)
Didecyldimethylammonium chloride 7173-51-5	NOEC	0,021 mg/l	21 d	Daphnia magna	OECD 211 (Daphnia magna, Reproduction Test)

Toxicity (Algae):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Exposure time	Species	Method
Alcohols, C12-15, ethoxylated, 7EO 68131-39-5	EL50	> 1 - 10 mg/l	72 h	not specified	OECD Guideline 201 (Alga, Growth Inhibition Test)
Didecyldimethylammonium chloride 7173-51-5	EC50	0,026 mg/l	96 h	Selenastrum capricornutum (new name: Pseudokirchneriella subcapitata)	OECD Guideline 201 (Alga, Growth Inhibition Test)
Didecyldimethylammonium chloride 7173-51-5	NOEC	0,014 mg/l	96 h	Selenastrum capricornutum (new name: Pseudokirchneriella subcapitata)	OECD Guideline 201 (Alga, Growth Inhibition Test)

Toxicity to microorganisms

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Exposure time	Species	Method
Alcohols, C12-15, ethoxylated, 7EO 68131-39-5	EC10	> 10.000 mg/l	16,9 h	Pseudomonas putida	DIN 38412, part 8 (Pseudomonas Zellvermehrungshemm- Test)
Didecyldimethylammonium chloride 7173-51-5	EC10	5,95 mg/l	3 h	activated sludge	OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test)

12.2. Persistence and degradability

Hazardous substances CAS-No.	Result	Test type	Degradability	Exposure time	Method
Alcohols, C12-15, ethoxylated, 7EO 68131-39-5	readily biodegradable	aerobic	> 60 %	28 d	OECD Guideline 301 B (Ready Biodegradability: CO2 Evolution Test)
Didecyldimethylammonium chloride 7173-51-5	inherently biodegradable	no data	87 - 94 %	28 d	OECD Guideline 302 B (Inherent biodegradability: Zahn- Wellens/EMPA Test)
Didecyldimethylammonium chloride 7173-51-5	readily biodegradable	aerobic	81 %	28 d	OECD Guideline 301 B (Ready Biodegradability: CO2 Evolution Test)

12.3. Bioaccumulative potential

Does not bioaccumulate.

Hazardous substances CAS-No.	Bioconcentratio n factor (BCF)	Exposure time	Temperature	Species	Method
Didecyldimethylammonium chloride 7173-51-5	81				not specified

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

Hazardous substances CAS-No.	PBT / vPvB
Didecyldimethylammonium chloride 7173-51-5	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.

12.6. Other adverse effects

Other adverse effects of this product for the environment are not known to us.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product disposal:

Dispose of in accordance with local and national regulations.

Disposal of uncleaned packages:

Only completely empty containers are to be disposed of as recoverable materials.

SECTION 14: Transport information**14.1. UN number**

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

14.2. UN proper shipping name

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

14.3. Transport hazard class(es)

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

14.4. Packing group

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

14.5. Environmental hazards

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

14.6. Special precautions for user

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

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 specific for the substance or mixture****Declaration of ingredients according to Detergent Regulation 648/2004/EC**

< 5 %	non-ionic surfactants
Further ingredients	preservation agents
	Didecyldimonium Chloride

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

H226 Flammable liquid and vapor.
H301 Toxic if swallowed.
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage.
H400 Very toxic to aquatic life.
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.

Further information:

This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.

This Safety Data Sheet contains changes from the previous version in Section(s):

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