

SAFETY DATA SHEET

Kleenex® Reveal Moisturizing Foam Hand Sanitizer

Version 1.1 Revision Date: 11/01/2018 SDS Number: N00104582601 Date of last issue: 10/31/2018
Date of first issue: 10/31/2018

SECTION 1. IDENTIFICATION

Product name : Kleenex® Reveal Moisturizing Foam Hand Sanitizer

Product code : 45826

Manufacturer or supplier's details

Company : Kimberly-Clark Corporation
50 Burnhamthorpe Rd W
Mississauga
L5B 3Y5
Canada

Telephone : 1-800-437-8979

Emergency telephone number : 1-877-561-6587

E-mail address : sdscontact@kcc.com
Responsible/issuing person

Recommended use of the chemical and restrictions on use

Recommended use : Skin-care

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with the Hazardous Products Regulations

Flammable liquids : Category 2

Eye irritation : Category 2B

GHS label elements

Hazard pictograms :



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Signal word : Danger

Hazard statements : H225 Highly flammable liquid and vapour.
H320 Causes eye irritation.

Precautionary statements : **Prevention:**
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Response:
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with 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.
P337 + P313 If eye irritation persists: Get medical advice/attention.

Storage:
P403 + P235 Store in a well-ventilated place. Keep cool.

Disposal:
P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards
None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Chemical nature : Mixture

Hazardous components

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| Chemical name | CAS-No. | Concentration (% w/w) |
|---------------|---------|-----------------------|
| Ethanol | 64-17-5 | >= 50 - < 70 |
| propan-2-ol | 67-63-0 | >= 1 - < 5 |

SECTION 4. FIRST AID MEASURES

- General advice : No hazards which require special first aid measures.
When symptoms persist or in all cases of doubt seek medical advice.
- If inhaled : No hazards which require special first aid measures.
- In case of skin contact : If symptoms persist, call a physician.
- In case of eye contact : If in eyes, rinse with water for 15 minutes.
If eye irritation persists, consult a specialist.
- If swallowed : Do NOT induce vomiting.
Consult a physician if necessary.
- Most important symptoms and effects, both acute and delayed : None known.

SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Alcohol-resistant foam
Dry chemical
Carbon dioxide (CO₂)

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Unsuitable extinguishing media : Water spray jet

Specific hazards during firefighting : Highly flammable liquid and vapour.

Hazardous combustion products : Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).

Specific extinguishing methods : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Further information : Standard procedure for chemical fires.

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Ensure adequate ventilation.
Remove all sources of ignition.

Environmental precautions : Try to prevent the material from entering drains or water courses.

Methods and materials for containment and cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Shovel into suitable container for disposal.

SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion : Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours).

Advice on safe handling : No special precautions required.

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Conditions for safe storage : Keep containers tightly closed in a cool, well-ventilated place.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

| Components | CAS-No. | Value type (Form of exposure) | Control parameters / Permissible concentration | Basis |
|-------------|------------------------------------|----------------------------------|---|-----------|
| Ethanol | 64-17-5 | TWA | 1,000 ppm 1,880 mg/m ³ | CA AB OEL |
| | | STEL | 1,000 ppm | CA BC OEL |
| | | TWAEV | 1,000 ppm 1,880 mg/m ³ | CA QC OEL |
| | | STEL | 1,000 ppm | ACGIH |
| propan-2-ol | 67-63-0 | TWA | 200 ppm 492 mg/m ³ | CA AB OEL |
| | | STEL | 400 ppm 984 mg/m ³ | CA AB OEL |
| | | TWA | 200 ppm | CA BC OEL |
| | | STEL | 400 ppm | CA BC OEL |
| | | TWAEV | 200 ppm | CA ON OEL |
| | | STEV | 400 ppm | CA ON OEL |
| | | TWAEV | 400 ppm 983 mg/m ³ | CA QC OEL |
| STEV | 500 ppm 1,230 mg/m ³ | CA QC OEL | | |

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| | | | | |
|--|--|------|---------|-------|
| | | TWA | 200 ppm | ACGIH |
| | | STEL | 400 ppm | ACGIH |

Contains no substances with occupational exposure limit values.

Engineering measures : none

Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally required.

Hand protection

Remarks : not required under normal use

Eye protection : not required under normal use

Skin and body protection : not required under normal use

Protective measures : No special protective equipment required.

Hygiene measures : General industrial hygiene practice.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid

Colour : No information available.

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Odour : No information available.

Odour Threshold : No information available.

pH : 5

Melting point/freezing point :

Boiling point/boiling range :

Flash point : 16 °C

Evaporation rate : No information available.

Burning rate : No data available

Upper explosion limit / Upper flammability limit : 19 %(V)

Lower explosion limit / Lower flammability limit : 2 %(V)

Relative vapour density : No information available.

Relative density : 0.875

Density : No data available

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Bulk density : No data available

Solubility(ies)
Water solubility : No information available.

Partition coefficient: n-
octanol/water : No information available.

Auto-ignition temperature : > 425 °C

Decomposition temperature : No data available

Viscosity
Viscosity, dynamic : 250 mPa.s

Viscosity, kinematic : No information available.

Explosive properties : No data available

Oxidizing properties : No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity : Not classified as a reactivity hazard.

Chemical stability : Stable

Possibility of hazardous
reactions : Keep away from oxidizing agents, and acidic or alkaline
products.

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Conditions to avoid : Heat, flames and sparks.

Incompatible materials : Oxidizing agents

Hazardous decomposition products : Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Components:

Ethanol:

Acute oral toxicity : LD50 (Rat, male and female): 10,470 mg/kg
Method: OECD Test Guideline 401
GLP: no

Acute inhalation toxicity : LC50 (Rat, male and female): 124.7 mg/l
Method: OECD Test Guideline 403
GLP: no

propan-2-ol:

Acute oral toxicity : LD50 Oral (Rat): 5,840 mg/kg
Method: OECD Test Guideline 401
GLP: no

Acute inhalation toxicity : LC50 (Rat, male and female): > 10000 ppm
Exposure time: 6 h
Method: OECD Test Guideline 403

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GLP: yes

Acute dermal toxicity : LD50 Dermal (Rabbit): 12,800 mg/kg
Method: OECD Test Guideline 402
GLP: no

Skin corrosion/irritation

Product:

Result : No skin irritation

Components:

Ethanol:

Species : Rabbit
Method : OECD Test Guideline 404
Result : No skin irritation
GLP : yes

propan-2-ol:

Species : Rabbit
Method : No information available.
Result : No skin irritation
GLP : no

Serious eye damage/eye irritation

Product:

Result : Mild eye irritant

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Components:

Ethanol:

Species : Rabbit
Result : Irritation to eyes, reversing within 21 days
Method : OECD Test Guideline 405
GLP : no

propan-2-ol:

Species : Rabbit
Result : Irritating to eyes.
Method : OECD Test Guideline 405
GLP : no

Respiratory or skin sensitisation

Product:

Remarks : Based on available data, the classification criteria are not met.

Components:

Ethanol:

Species : Mouse
Assessment : Does not cause skin sensitisation.
Method : OECD Test Guideline 429
Result : Did not cause sensitisation on laboratory animals.
GLP : no

propan-2-ol:

Test Type : Buehler Test
Species : Guinea pig

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Method : OECD Test Guideline 406
Result : Did not cause sensitisation on laboratory animals.
GLP : yes

STOT - single exposure

Product:

Remarks : Not applicable

STOT - repeated exposure

Product:

Remarks : Not applicable

Aspiration toxicity

Product:

No aspiration toxicity classification

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

Ethanol:

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 14,200 mg/l
Exposure time: 96 h
Test Type: flow-through test

Toxicity to daphnia and other aquatic invertebrates : EC50 (Ceriodaphnia dubia (water flea)): 5,012 mg/l
Exposure time: 48 h
Test Type: static test

Toxicity to algae : EC50 (Pseudokirchneriella subcapitata (green algae)): 275

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mg/l

Exposure time: 72 h

Test Type: static test

propan-2-ol:

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 9,640 mg/l

Exposure time: 96 h

Test Type: flow-through test

Method: OECD Test Guideline 203

GLP: no

LC50 (Pimephales promelas (fathead minnow)): 10,000 mg/l

Exposure time: 96 h

Test Type: flow-through test

Method: OECD Test Guideline 203

GLP: no

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 9,714 mg/l

Exposure time: 24 h

Test Type: static test

Method: OECD Test Guideline 202

GLP: no

Persistence and degradability

No data available

Bioaccumulative potential

No data available

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Mobility in soil

No data available

Other adverse effects

No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : Dispose of in accordance with local regulations.

Contaminated packaging : Dispose of as unused product.
Do not re-use empty containers.

SECTION 14. TRANSPORT INFORMATION

International Regulations

UNRTDG

Class : 3

Packing group : II

Labels : 3

IATA-DGR

UN/ID No. : UN 1987

Proper shipping name : Alcohols, n.o.s.
(Ethanol, Isopropanol)

Class : 3

Packing group : II

Labels : Flammable Liquids

Packing instruction (cargo aircraft) : 364

IMDG-Code

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UN number : UN 1987
Proper shipping name : ALCOHOLS, N.O.S.
(Ethanol, Isopropanol)
Class : 3
Packing group : II
Labels : 3
EmS Code : F-E, S-D
Marine pollutant : no

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

National Regulations

SECTION 15. REGULATORY INFORMATION

NPRI Components : propan-2-ol
2-methylpropan-2-ol

The components of this product are reported in the following inventories:

DSL : All components of this product are on the Canadian DSL

Canadian lists

No substances are subject to a Significant New Activity Notification.

SECTION 16. OTHER INFORMATION

Full text of other abbreviations

ACGIH : USA. ACGIH Threshold Limit Values (TLV)
CA AB OEL : Canada. Alberta, Occupational Health and Safety Code (table 2: OEL)
CA BC OEL : Canada. British Columbia OEL

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Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

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