

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

## KLEENEX\* Joy Fragrance Refill

Version	Revision Date:	SDS Number:	Date of last issue: 10.11.2020
1.12	26.05.2021	100000019447	Date of first issue: 01.02.2019

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

#### 1.1 Product identifier

Trade name : KLEENEX\* Joy Fragrance Refill  
Product code : 6189

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

Use of the Substance/Mixture : Air Freshener

#### 1.3 Details of the supplier of the safety data sheet

Company name of supplier : Kimberly-Clark Europe Limited  
Address : 40 London Road  
Reigate  
Surrey RH2 9QP  
United Kingdom  
Telephone : +44 1737 736000  
E-mail address of person responsible for the SDS : sdscontact@kcc.com

#### 1.4 Emergency telephone number

Emergency telephone number : +44 1737 736000  
Poison Center Name : NHS 111  
Poison Center Telephone : 111

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### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

#### 2.2 Label elements

#### 2.3 Other hazards

None known.

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### SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures

Hazardous components

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

## KLEENEX\* Joy Fragrance Refill

Version 1.12      Revision Date: 26.05.2021      SDS Number: 100000019447      Date of last issue: 10.11.2020  
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Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
Butanol, 3-methoxy-3-methyl-	56539-66-3 260-252-4	Eye Irrit. 2; H319	>= 5 - < 10
propan-2-ol	67-63-0 200-661-7 603-117-00-0	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336	>= 5 - < 10
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	1222-05-5 214-946-9 603-212-00-7		>= 0.1 - < 0.25

For explanation of abbreviations see section 16.

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

General advice : No hazards which require special first aid measures.

If inhaled : Not required under normal use.

In case of skin contact : Wash off with soap and plenty of water.  
If skin irritation persists, call a physician.

In case of eye contact : Immediately flush eye(s) with plenty of water.  
If eye irritation persists, consult a specialist.

If swallowed : Not required under normal use.

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

Symptoms : No hazards which require special first aid measures.

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

Treatment : No hazards which require special first aid measures.

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

Suitable extinguishing media : Alcohol-resistant foam  
Carbon dioxide (CO<sub>2</sub>)  
Dry chemical

Unsuitable extinguishing media : Do NOT use water jet.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

## KLEENEX\* Joy Fragrance Refill

Version	Revision Date:	SDS Number:	Date of last issue: 10.11.2020
1.12	26.05.2021	100000019447	Date of first issue: 01.02.2019

---

### 5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting : No special precautions required.

Hazardous combustion products : No hazardous combustion products are known

No hazardous combustion products are known

### 5.3 Advice for firefighters

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

Further information : Use water spray to cool unopened containers.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

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## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Ensure adequate ventilation.  
Remove all sources of ignition.

### 6.2 Environmental precautions

Environmental precautions : Prevent product from entering drains.

### 6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Wipe up with absorbent material (e.g. cloth, fleece).

### 6.4 Reference to other sections

For personal protection see section 8.

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling : No special handling advice required.

Advice on protection against fire and explosion : Keep product and empty container away from heat and sources of ignition.

Hygiene measures : General industrial hygiene practice.

### 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Keep container tightly closed in a dry and well-ventilated place.

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## KLEENEX\* Joy Fragrance Refill

Version 1.12      Revision Date: 26.05.2021      SDS Number: 100000019447      Date of last issue: 10.11.2020  
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Advice on common storage : No special restrictions on storage with other products.

Further information on storage stability : No decomposition if stored and applied as directed.

### 7.3 Specific end use(s)

Specific use(s) : Air Freshener

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
propan-2-ol	67-63-0	TWA	400 ppm 999 mg/m <sup>3</sup>	GB EH40
		STEL	500 ppm 1,250 mg/m <sup>3</sup>	GB EH40

### 8.2 Exposure controls

#### Personal protective equipment

Eye protection : Not required under normal use.

Hand protection  
Remarks : not required under normal use

Skin and body protection : not required under normal use

Respiratory protection : Not required under normal use.

No personal respiratory protective equipment normally required.

Protective measures : No special protective equipment required.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance : liquid

pH : No information available.

Melting point/range : 0 °C

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

## KLEENEX\* Joy Fragrance Refill

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1.12	26.05.2021	100000019447	Date of first issue: 01.02.2019

---

Boiling point/boiling range : 100 °C

Flash point : 46 °C

Flammability (solid, gas) : Not classified as a flammability hazard

Upper explosion limit / Upper flammability limit : No data available

Lower explosion limit / Lower flammability limit : No data available

### 9.2 Other information

Flammability (liquids) : Does not sustain combustion., Not classified as supporting combustion according to the transport regulations.

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Stable under recommended storage conditions.

### 10.2 Chemical stability

No decomposition if stored and applied as directed.

### 10.3 Possibility of hazardous reactions

Hazardous reactions : Vapours may form explosive mixture with air.

### 10.4 Conditions to avoid

Conditions to avoid : Heat, flames and sparks.

### 10.5 Incompatible materials

Materials to avoid : Strong acids and oxidizing agents

### 10.6 Hazardous decomposition products

Stable under recommended storage conditions.

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

#### Components:

#### propan-2-ol:

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

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# SAFETY DATA SHEET

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## KLEENEX\* Joy Fragrance Refill

Version	Revision Date:	SDS Number:	Date of last issue: 10.11.2020
1.12	26.05.2021	100000019447	Date of first issue: 01.02.2019

Remarks: See User Free Text

LD50 Oral (Rat): 1,870 mg/kg

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

LC50 (Rat): 72,600 mg/m<sup>3</sup>  
Exposure time: 4 h

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

LD50 Dermal (Rabbit): 4,059 mg/kg

### **1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran:**

Acute oral toxicity : LD50 Oral (Rat): > 3,250 mg/kg  
Remarks: 65% HHCB in either diethyl phthalate or isopropyl myristate

Acute dermal toxicity : LD50 Dermal (Rabbit): > 3,250 mg/kg  
Remarks: 65% HHCB in either diethyl phthalate or isopropyl myristate  
no deaths occurred

### **Skin corrosion/irritation**

#### **Product:**

Remarks : According to the classification criteria of the European Union, the product is not considered as being a skin irritant.

#### **Components:**

##### **propan-2-ol:**

Species : Rabbit  
Exposure time : 4 hrs  
Method : No information available.  
Result : No skin irritation  
GLP : no  
Remarks : See User Free Text

### **1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran:**

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

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

## KLEENEX\* Joy Fragrance Refill

Version	Revision Date:	SDS Number:	Date of last issue: 10.11.2020
1.12	26.05.2021	100000019447	Date of first issue: 01.02.2019

---

GLP : yes

### Serious eye damage/eye irritation

#### Components:

##### **Butanol, 3-methoxy-3-methyl-:**

Assessment : Irritating to eyes.

##### **propan-2-ol:**

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

##### **1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran:**

Species : Rabbit  
Method : OECD Test Guideline 405  
Result : No eye irritation  
GLP : yes

### Respiratory or skin sensitisation

#### Product:

Remarks : No data available

#### Components:

##### **1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran:**

Test Type : Maximisation Test  
Species : Guinea pig  
Method : No information available.  
Result : Did not cause sensitisation on laboratory animals.  
GLP : no

### Germ cell mutagenicity

#### Product:

Germ cell mutagenicity-  
Assessment : Contains no ingredient listed as a mutagen

### Carcinogenicity

#### Product:

Carcinogenicity -  
Assessment : Contains no ingredient listed as a carcinogen

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

## KLEENEX\* Joy Fragrance Refill

Version	Revision Date:	SDS Number:	Date of last issue: 10.11.2020
1.12	26.05.2021	100000019447	Date of first issue: 01.02.2019

---

### Reproductive toxicity

**Product:**

Reproductive toxicity - Assessment : Contains no ingredient listed as toxic to reproduction

### STOT - single exposure

**Product:**

Remarks : No data available

### STOT - repeated exposure

**Product:**

Remarks : No data available

### Further information

**Product:**

Remarks : Health injuries are not known or expected under normal use. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

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## SECTION 12: Ecological information

### 12.1 Toxicity

**Product:**

Toxicity to fish : Remarks: No information available.

Toxicity to daphnia and other aquatic invertebrates : Remarks: No information available.

Toxicity to algae/aquatic plants : Remarks: No information available.

**Components:**

**Butanol, 3-methoxy-3-methyl-:**

Toxicity to fish : LC50 (Oryzias latipes (Orange-red killifish)): > 100 mg/l  
Exposure time: 96 h  
Test Type: semi-static test

**propan-2-ol:**

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 9,640 mg/l  
End point: mortality  
Exposure time: 96 h  
Test Type: flow-through test

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

## KLEENEX\* Joy Fragrance Refill

Version	Revision Date:	SDS Number:	Date of last issue: 10.11.2020
1.12	26.05.2021	100000019447	Date of first issue: 01.02.2019

---

Analytical monitoring: yes  
Method: OECD Test Guideline 203  
GLP: no

LC50 (*Pimephales promelas* (fathead minnow)): 10,000 mg/l  
End point: mortality  
Exposure time: 96 h  
Test Type: flow-through test  
Analytical monitoring: yes  
Method: OECD Test Guideline 203  
GLP: no

LC50 (*Pimephales promelas* (fathead minnow)): 9,640 mg/l  
Exposure time: 96 h  
Test Type: flow-through test

LC50 (*Pimephales promelas* (fathead minnow)): 11,130 mg/l  
Exposure time: 96 h  
Test Type: static test

LC50 (*Lepomis macrochirus* (Bluegill sunfish)): > 1,400,000 µg/l  
Exposure time: 96 h

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

EC50 (*Daphnia magna* (Water flea)): 13,299 mg/l  
Exposure time: 48 h

Toxicity to algae/aquatic plants : EC10 (*Scenedesmus quadricauda* (Green algae)): 1,800 mg/l  
End point: See User Free Text  
Exposure time: 168 h  
Test Type: static test  
Analytical monitoring: no  
Method: See User Free Text  
GLP: no

EC50 (*Desmodesmus subspicatus* (green algae)): > 1,000 mg/l  
Exposure time: 96 h

EC50 (*Desmodesmus subspicatus* (green algae)): > 1,000 mg/l  
Exposure time: 72 h

### **1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran:**

Toxicity to algae/aquatic plants : EC50 (*Pseudokirchneriella subcapitata* (green algae)): 0.723 mg/l

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

## KLEENEX\* Joy Fragrance Refill

Version	Revision Date:	SDS Number:	Date of last issue: 10.11.2020
1.12	26.05.2021	100000019447	Date of first issue: 01.02.2019

---

Exposure time: 72 h  
Test Type: static test  
Method: OECD Test Guideline 201  
GLP: yes

### Ecotoxicology Assessment

Chronic aquatic toxicity : Very toxic to aquatic life with long lasting effects.

### 12.2 Persistence and degradability

#### Product:

Biodegradability : Remarks: No information available.

#### Components:

**1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran:**

Biodegradability : Result: Not biodegradable

### 12.3 Bioaccumulative potential

#### Product:

Bioaccumulation : Remarks: Does not bioaccumulate.

#### Components:

**1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran:**

Partition coefficient: n-octanol/water : log Pow: 5.3

### 12.4 Mobility in soil

#### Product:

Mobility : Remarks: No information available.

### 12.5 Results of PBT and vPvB assessment

Not relevant

### 12.6 Other adverse effects

#### Product:

Additional ecological information : There is no data available for this product.

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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product : Dispose of in accordance with local regulations.

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## KLEENEX\* Joy Fragrance Refill

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---

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

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### SECTION 14: Transport information

#### 14.1 UN number

Not regulated as a dangerous good

#### 14.2 UN proper shipping name

Not regulated as a dangerous good

#### 14.3 Transport hazard class(es)

Not regulated as a dangerous good

#### 14.4 Packing group

Not regulated as a dangerous good

#### 14.5 Environmental hazards

Not regulated as a dangerous good

#### 14.6 Special precautions for user

Not applicable

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

Not applicable for product as supplied.

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### SECTION 15: Regulatory information

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

#### 15.2 Chemical safety assessment

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### SECTION 16: Other information

#### Full text of H-Statements

H225 : Highly flammable liquid and vapour.  
H319 : Causes serious eye irritation.  
H336 : May cause drowsiness or dizziness.

#### Full text of other abbreviations

Eye Irrit. : Eye irritation  
Flam. Liq. : Flammable liquids  
STOT SE : Specific target organ toxicity - single exposure  
GB EH40 : UK. EH40 WEL - Workplace Exposure Limits  
GB EH40 / TWA : Long-term exposure limit (8-hour TWA reference period)  
GB EH40 / STEL : Short-term exposure limit (15-minute reference period)

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

## KLEENEX\* Joy Fragrance Refill

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1.12	26.05.2021	100000019447	Date of first issue: 01.02.2019

---

Goods by Road; AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - 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; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

### Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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