

SAFETY DATA SHEET

(KROWN) **MP255 CITRUS KLEEN**
Product code: MP255
Issued on: 17.02.2012
REVISED: 22.01.2015 VERSION 1.1

1. MATERIAL / MIXTURE AND ORGANIZATION / COMPANY IDENTIFICATION

1.1. Product identification

MP255 CITRUS KLEEN
MP255 CITRUS KLEEN CLEANER

1.2. The intended usages of the material or mixture and those not recommended

Universal cleaner / degreaser

1.3. Information about the supplier of the safety data sheet

Manufacturer: Canadian Krown Dealers Inc.
35 Magnum Drive, Schomberg, Ontario, LOG 1T0, Canada
Telephone: +1 800-267-5744
E-mail: info@krown.com
Website: www.krown.com
Importer in the EU: SIA KROWN EU
Ganību dambis 25f, Riga, LV 1005, Latvia
Telephone: +371 67491330
Fax: +371 67491331
E-mail of the competent person: info@krowneurope.com
Website: www.krowneurope.com

1.4. Telephone for emergency situations

State fire and rescue service: 01, 112
State police: 02, 110
Emergency medical assistance service: 03, 113
State Poison Centre Drug and Poison Information Centre: +371 67042473
Manufacturer: +371 800-267-5744 Importer: +371 67491330

2. HAZARDS IDENTIFICATION

2.1. Classification of the material/ mixture

Classification in accordance with Regulation (EC) No. 1272/2008

Physical and chemical hazards	Not classified
Human health	Skin Irrit. 2; H315. Skin Sens. 1; H317. STOT SE 3; H335.
Environment	Aquatic Chronic 3; H412.

2.2. Label elements

Labelling in accordance with Regulation (EC) No.1272/2008

Hazards pictographs:



Signal word:

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Dangerous

Hazard statements:

H315 Irritates skin.
H317 May cause allergic skin reaction.
H335 May cause respiratory irritation.
H412 Harmful to aquatic life with long-lasting effects.

Precautionary statements:

General

P102 Keep away from children

Prevention

P273 Avoid release into environment.
P280 Use protective gloves/ protective clothing/ eye protection/ face protection

Response

P301+P310 IF SWALLOWED, contact POISON CENTRE / doctor...
P302+P352 IF ON SKIN, wash with large amount of water/soap.
P304+P340 IF INHALED: move person in fresh air and keep comfortable for breathing.
P333+P313 If skin irritation or rash occurs: get medical attention.

Storage

P403+P233 Keep in well ventilated place. Keep container tightly closed.

Disposal

P501 Dispose of contents/container in accordance with the local regulations.

Contents:

disodium metasilicate

Special labelling in accordance with the requirements of 648/2004/EC and (EC) 907/2006:

Contains: d-LIMONENE. May cause allergic reaction.

2.3. Other hazards

The mixture does not correspond to *PBT* or *vPvB* criteria.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Composition

Not applicable.

3.2. Mixtures

Names of components	CAS No.	EINECS No.	RERACH registration No.	Concentration, % of weight	Classification
(R)-p-menthadiene-1.8; d-limonene	5989-54-8	227-815-6	01-2119958629-	1-5%	R10 Xi; R38 R43 N; R50-53

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			18-0000		----- Flam. Liq. 3; H226 Skin Irrit. 2; H315 Skin Sens. 1; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410
Disodium metasilicate	6834-92-0	229-912-9	01- 2119449811- 37-XXX	1-10%	C; R34 Xi; R37 ----- Skin Corr. 1B; H314 STOT SE 3; H335

Additional information:

Please see full R phrases and H statements in Section 16.

4. FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation

Move person in fresh air.

Eye contact

Immediately rinse with large amount of water for at least 15 minutes. Before rinsing make sure there are no contact lenses in the eyes. Keep the eyelids open during rinsing. If the irritation remains, seek medical attention.

Skin contact

Wash contact area with water and soap. If the irritation remains, seek medical attention.

Ingestion

Rinse mouth with water. Drink large amount of water. DO NOT INDUCE VOMITING. Do not give anything orally to an unconscious person. immediately seek medical attention.

Personal protective equipment of first aid provider

No other relevant information available.

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

Acute exposure effects

Eye contact

In concentrated form may cause eye tissue irritation or damage.

Skin contact

Harmful if swallowed.

Initial access routes

[] - Inhalation [x] – Ingestion [] -Absorption

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

No other relevant information about the effects of the mixture available.

5. FIREFIGHTING MEASURES

5.1. Extinguishing media

General instructions

Non-flammable

Suitable extinguishing media

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Use water spray, dry chemicals, carbon dioxide. Use extinguishing media based on the circumstances.

Non-suitable extinguishing media

Not indicated.

5.2. Special hazards arising from the substance or mixture

No special hazards arising from the substance or mixture indicated.

5.3. Advice for fire fighters

No advice for fire fighters indicated.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

No special precautions indicated.

6.2. Environmental precautions

Immediately inform the responsible environmental services about the accident. Prevent release to the environment.

6.3. Methods and material for containment and cleaning up

Small leaks

Rinse with large amount of water.

Large leaks

Collect with absorbing material and transfer for disposal.

6.4. Reference to other sections

For waste disposal see Section 13, personal protective equipment indicated in Section 8.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Wear gloves, when using a concentrated product. Prevent eye and skin contact. Not to be taken internally.

7.2. Conditions for safe storage, including any incompatibilities

Prevent freezing. Keep in cool, dry place in sealed containers.

7.3. Specific end use(s)

Universal cleaner / degreaser

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

8.1.1. Exposure limit values

There are no exposure limit values indicated for the product or its components.

8.1.2. Derived No Effect Levels (DNEL) and Prescribed No Effect Concentration (PNEC)

Derived No Effect Levels (DNEL)

There are no DNEL or PNEC values indicated for the product or its components.

8.2. Exposure controls

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8.2.1. Adequate technical management

Technical measures: Local exhaust ventilation.

8.2.2. Such individual protection measures as personal protective equipment

The selection of personal protective equipment may differ based on the circumstances of use.

Eye/face protection: Use protective equipment (in accordance to EN 166) to prevent splashing of the product into eyes.

Hand protection: Use rubber gloves (EN374) to protect sensitive skin.

Body protection: Use work clothing and waterproof footwear (EN ISO 20345).

Respiratory protection: For normal use, not required.

Thermal hazards: Not applicable.

Other protection: Not indicated.

Hygienic measures: Comply with the general protection and hygienic measures for working with chemical substances when handling the product. Wash hands before breaks and after work.

8.2.3. Environmental risk management

Information not available.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

a) appearance	Orange/ yellow liquid
b) odour	Citrus odour
c) odour threshold	Not applicable
d) pH	11.8-12.8
e) melting / freezing point	0 °C
f) boiling temperature and boiling temperature range	100 °C
g) flash temperature	Not applicable
i) flammability (for solids, gasses)	Non-flammable
j) upper/ lower flammability or explosive limit	Not applicable
h) evaporation rate (water=1)	>1
k) vapour pressure (mm Hg)	Not specified
l) vapour density (air=1)	Not specified
m) relative density	1.032
n) solubility in water	Outstanding
o) partition coefficient: n-octanol/water	Data not available
p) ignition temperature	Not applicable
q) degradation temperature	Data not available
r) viscosity	Data not available
s) explosion hazard	Data not available
t) oxidation properties	Data not available

9.2. Other information

10. STABILITY AND REACTIVITY

10.1. Reactivity

Data not available.

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No data available regarding toxicity of the mixture.

12.2. Persistence and degradability

The product is easily biologically degradable.

12.3. Bioaccumulative potential

No data available regarding the bioaccumulative potential.

12.4. Mobility in soil

Mixture is water soluble and easily travels in soil.

12.5. Results of PBT and vPvB assessment

No data available on the results of PBT and vPvB assessment.

12.6. Other adverse effects

Prevent concentrated material from leaking into water bodies and drains.

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Comply with the legislative documents of the EU and the Republic of Latvia, regulating waste treatment.

Product residue and wastes

Do not store with municipal waste. Transfer waste for disposal or recycling to a licensed waste treatment company.

Waste code

070601 Aqueous washing liquids and mother liquors

Container and packaging waste

When possible, recycle containers and packaging free from product residue. Only completely emptied containers may be recycled.

Waste codes

If the container is free from product residue

150102 Plastic packaging

If the container contains product residue

150110 Packaging containing hazardous residue or contamination

Additional information for waste treatment company personnel

It is advised to comply with the general protective and hygiene measures when working with chemical substances.

14. TRANSPORT INFORMATION

14.1 UN number

Not classified.

14.2. UN proper shipping name

Not classified.

14.3. Transport hazard class(-es)

ADR/RID/ADN Not classified.

IMDG Not classified.

ICAO, IATA class/division Not classified.

Hazard label Not classified.

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14.4. Packaging group

ADR/RID/ADN packaging group Not classified.
IMDG packaging group Not classified.
ICAO/IATA packaging group Not classified.

14.5. Environmental hazards

Marine pollutant No.

14.6. Special precautions for user

Not classified.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

15. REGULATORY INFORMATION

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

Regulation (EC) No. 1907/2006 (18 December, 2006) of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC

Regulation (EC) No. 1272/2008 (16 December, 2008) of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Commission Regulation (EU) No 453/2010 (20 May 2010) amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

Commission Regulation (EU) No 487/2013 (8 May 2013) amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures.

Regulation (EC) No. 648/2004 (31 March, 2004) of the European Parliament and of the Council on detergents.

15.2. Chemical risk assessment

No data on chemical risk assessment

16. OTHER INFORMATION

Developed on: 17.02.2012

Developed by: J. Brideau (800) 267-5744

Reviewed: on 22 January, 2015, SIA "Retorte"

Reviewed Sections 1-15 in correspondence with the current legislation of the EU.

Information sources

Information has been reviewed and supplemented, based on the safety data sheet developed by the manufacturer and existing legislation.

Classification in accordance with Regulation of the Council 67/548/EEC and Directive 1999/45/EC

Xi; R37/38; R52/53

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Labelling in accordance with 1999/45/EC

Hazard labels



Irritating

Risk phrases

R37/38 Irritates respiratory system and skin.
R43 May cause sensitization by skin contact.
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases

S2 Keep away from children.
S24 Prevent contact with skin.
S28 In case of contact with skin, rinse immediately with plenty of water.
S29 Do not empty into drains.
S37 Wear suitable gloves.
S46 If swallowed, immediately seek medical attention and show this container or label.

Contents: disodium metasilicate

Special labelling in accordance with the requirements of 648/2004/EC and (EC) 907/2006:

Contains: d-LIMONENE. May cause allergic reaction.

Section 2 and 3 chemical material effect descriptions (R phrases) and hazard labels (H label) in full:

R10 Flammable.
R38 Irritates skin.
R43 May cause sensitization by skin contact.
R50-53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R34 Causes burns.

R37 Irritates respiratory system.

Flam. Liq. 3 Flammable liquid, Hazard Category 3
H226 Flammable liquid and vapour.
Skin Irrit. 2 Skin irritation, Hazard Category 2
H315 Irritates skin
Skin Sens. 1 Sensitization by contact with skin, Hazard Category 1
H317 May cause allergic skin reaction.
Aquatic Acute 1 Substance hazardous to aquatic environment, Acute Hazard Category 1
H400 Very toxic to aquatic organisms.
Aquatic Chronic 1 Substance hazardous to aquatic environment, Chronic Hazard Category 1
H410 Very toxic to aquatic organisms with long-lasting effects.
Skin Corr. 1B Caustic to skin, Hazard Category 1B
H314 Causes severe skin burns and eye damage.
STOT SE 3 Toxic effect on target organ – single exposure, Hazard Category 3
H335 May cause respiratory irritation.

