

SAFETY DATA SHEET

(Krown) **MR25 BUGS AWAY**
Product code: MC88
Issued on: 17.02.2012.
Revised: 04.09.2014. Version 1.1

1. MATERIAL / MIXTURE AND ORGANIZATION / COMPANY IDENTIFICATION

1.1. Product identification

KROWN MP25 BUGS AWAY

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

Universal cleaner / insect stain remover

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.krow.com

Importer in the EU: SIA KROWN FACTORY
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, 112

Emergency medical assistance service: 03, 113

State Poison Center Drug and Poison Information Center: +371 67042473

Manufacturer: +1 800-267-5744

2. HAZARDS IDENTIFICATION

2.1. Classification of the material/ mixture

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

Not classified.

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

Physical and chemical hazards Not classified.

Human health Not classified.

Environment Not classified.

2.2. Label elements

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

Hazards pictograms: Not required

Signal word: No.

Hazard statements:

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Precautionary statements:

P102 Keep away from children
P301+P312 If swallowed: contact Poison Center / doctor/ ..., if you feel unwell.

Contents: disodium metasilicate

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
Disodium metasilicate	6834-92-0	229-912-9		1-5	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 the victim 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. May cause permanent eye damage, if help is not provided in timely manner. Immediately seek medical attention.

Skin contact

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

Ingestion

Rinse mouth with water. Drink large amount of water. Do not cause 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

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

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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

The product is non-flammable.

Suitable extinguishing media

Water spray, dry chemicals, carbon dioxide.

5.2. Special hazards arising from the substance or mixture

Take action based on the circumstances.

5.3. Advice for fire fighters

When extinguishing indoor fires and any significant outdoor fires, adequate personal protective equipment and respiratory protection apparatus with independent air supply. For smaller outdoor fires that can be easily extinguished with portable fire extinguisher, the use of respiratory protection apparatus with independent air supply is not obligatory.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Emergency personnel in contaminated areas must use adequate personal protective equipment and certified self-contained breathing apparatuses. Protective goggles and impervious gloves must be used.

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 leakages

Rinse with water

Large leakages

Collect the residue with absorbing material for disposal. Before disposal rinse in the container and neutralize with a weak acid.

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

Use gloves, if handling concentrated product. Prevent skin and eye contact. Not to be taken internally.

7.2. Conditions for safe storage, including any incompatibilities

Prevent freezing. Keep in cool, dry places in closed containers.

7.3. Specific end use(s)

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

8.1.1. Exposure limit values

The mixture does not contain components with indicated occupational exposure limits.

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

Derived No Effect Levels (DNEL)

The mixture does not contain components with indicated derived no effect levels (DNEL) and prescribed no effect concentrations (PNEC).

8.2. Exposure controls

8.2.1. Adequate technical management

General instructions: In case of emergency, see Section 6.

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: To prevent the product splashing into eyes, use goggles (EN166).

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

Body protection: Use work clothing (for example. safety footwear and long-sleeved protective clothing in correspondence to EN ISO 20345 requirements).

Respiratory protection: For normal use, not required.

Thermal hazards: Not applicable.

Hygienic measures: Recommended to comply with the general safety and personal hygienic measures, when handling chemical substances. 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	Blue liquid.
b) odour	No information.
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)	Not 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)	Data not available
m) relative density	1.029
n) solubility in water	Excellent
o) partition coefficient: n-octanol/water	Data not available
p) ignition temperature	Not applicable

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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

No hazardous reactions

10.2. Chemical stability

Stable.

10.3. Possibility of hazardous reactions

No data available

10.4. Conditions to avoid

No data available.

10.5. Incompatible materials

Strong acids.

10.6. Hazardous decomposition products

Carbonic oxides.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological information

a) acute toxicity

No data available regarding toxicity of the mixture.

Component toxicity

Disodium metasilicate, CAS No. 6834-92-0

LD50 – 1143 mg/kg (rat, ingestion)

LD50 – 770 mg/kg (mouse, ingestion)

b) caustic irritation

May cause skin irritation.

c) serious eye damage/ irritation

Concentrated mixture may cause inflammation of eye mucosa.

d) respiratory or skin sensitization

No data available regarding sensitizing effect of the mixture or components.

e) germ cell mutagenicity

No data available regarding mutagenic effect of the mixture or components.

f) carcinogenicity

No data available regarding carcinogenic effect of the mixture or components.

g) reproductive toxicity

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No data available regarding reproductive toxicity of the mixture or components.

h) specific target organ toxicity, single exposure

May be toxic, if ingested.

i) specific target organ toxicity, repeated exposure

May cause skin dryness.

j) hazards caused by inhalation

No data available regarding inhalation hazards of the mixture.

12. ECOLOGICAL INFORMATION

12.1. Toxicity

No data available regarding toxicity of the mixture.

12.2. Persistence and degradability

No data available regarding degradability of the mixture.

12.3. Bioaccumulative potential

No data available regarding bioaccumulation of the mixture.

12.4. Mobility in soil

The mixture is water soluble and easily moves 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

No instructions.

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Product residue and wastes

Do not dispose with municipal waste. Transfer waste for disposal or recycling to a licence waste treatment company.

Waste code

070101 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

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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/ section	Not classified.
Hazard label	Not classified.

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
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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, 2006) 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.

Classification in accordance with Directive 1999/45/EC

Hazard labels

No

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Safety phrases

S2 Keep away from children
S46 If swallowed, immediately seek medical attention and show this container and label.

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 4 September, 2014, 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.

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

R34 Causes burns
R37 Irritating to respiratory system
Skin Corr. 1B Corrosive to the skin, Hazard Category 1B
STOT SE 3 Specific target organ toxicity – single exposure, Hazard Category 3
H335 May cause respiratory irritation

Abbreviations and acronyms used in the safety data sheet:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
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
ICAO: International Civil Aviation Organization

GHS: Globally Harmonized System of Classification and Labelling of Chemicals
CAS: Chemical Abstracts Service (division of the American Chemical Society)
EINECS: European Inventory of Existing Commercial Chemical Substances

Disclaimer

The information in this safety data sheet is based on the data provided by the product manufacturer, which is to be deemed correct; however, the product importer, nor its manufacturer shall guarantee that this information is comprehensive, nor shall bear any responsibility of the consequences caused by the use of this information. It is the responsibility of the user of the product, to evaluate the information provided here and its applicability to the current circumstances of the product usage, as well as to carry out all necessary safety procedures, when using this product.

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End of safety data sheet