1. MATERIAL / MIXTURE AND ORGANIZATION / COMPANY IDENTIFICATION

1.1. Product identification
KROWN MR35 SALT ELIMINATOR - AEROSOL

1.2. The intended usages of the material or mixture and those not recommended
Salt eliminator – aerosol with Bag-on-Valve technology

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 Centre Drug and Poison Information Centre: +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: Aerosol 3; H229
Human health: Not classified.
Environment: Not classified.

2.2. Label elements
Labelling in accordance with 1999/45/EC
Hazard statements:
No

Safety phrases:
S2 Keep out of the reach of children.

S23 Do not breathe fumes or aerosols.
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S46 If swallowed, seek medical advice immediately and show this container or label

Additional labels:
The container is under pressure: protect form sunlight and do not expose to temperatures exceeding 50°C. Do not pierce and burn. Do not spray near open flame or heat sources.

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

Hazard pictograms:
Not required

Hazard statements:
H229 Pressurized container: may explode if heated.

Precautionary statements:
P102 Keep away from children
P210 Keep away from heat, hot surfaces, sparks, open flame and other ignition. No smoking.
P251 Do not pierce or burn, even after use.
P260 Do not breathe vapours/spray.
P410+412 Protect form sunlight. Do not expose to temperatures exceeding 50°C/122°F

Contents: 2-butoxyethanol

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

<table>
<thead>
<tr>
<th>Names of components</th>
<th>CAS No.</th>
<th>EINECS No.</th>
<th>RERACH registration No.</th>
<th>Concentration, % of weight</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-butoxyethanol</td>
<td>111-76-2</td>
<td>203-905-0</td>
<td>---</td>
<td>1-5%</td>
<td>Xn; R20/21/22 Xi; R36/38 Acute Tox. 4; H332, H312, H302 Eye Irrit. 2; H319 Skin Irrit. 2; H315</td>
</tr>
<tr>
<td>Air</td>
<td>132259-10-0</td>
<td>---</td>
<td>No registration data</td>
<td>≤30%</td>
<td>Not classified</td>
</tr>
</tbody>
</table>

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. If the irritation remains, seek medical attention.

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

**Ingestion**
Due to the physical properties of the product, ingestion is unlikely. If accidentally ingested, 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

Accidental ingestion of large quantities may cause nausea, diarrhoea and irritation of intestinal mucosa.

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

**Suitable extinguishing media**
Water spray or water mist, dry chemicals, carbon dioxide, foam.

**Non-suitable extinguishing media**
Do not use powerful water stream to extinguish flame, as it can facilitate spreading of fire.

5.2. Special hazards arising from the substance or mixture

Product’s vapour in mixture with air may ignite from sparks, flame or other ignition sources. Product’s vapour is heavier than air and may travel along the ground surface. Leaks may cause fire or explosion hazard. Spray bottles may explode, when heated. Broken spray bottle’s may burst and endanger the personnel.

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 apparatus. Protective goggles and impervious gloves must be used. Move
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containers threatened by fire, if possible without risk. Remove or extinguish fire sources or combustion facilities, evacuate confined spaces, until the gas is dispersed, keep upwind. Spray containers threatened by fire with water to cool them, in order to prevent pressure increase, auto-ignition or explosion. Use shields for personal protection in case of decompression, bursting or explosion of the containers.

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
If possible without risk, stop the leakage. Collect the leaked liquid with absorbing, non-flammable material and place in suitable containers 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
Emergency personnel in contaminated areas must use adequate personal protective equipment and certified self-contained breathing apparatuses. Use protective goggles and impervious gloves. Spilled product may be slippery.

7.2. Conditions for safe storage, including any incompatibilities
Prevent freezing. Keep in cool, well ventilated areas in closed containers.

7.3. Specific end use(s)
Salt eliminator

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

8.1.1. Exposure limit values

<table>
<thead>
<tr>
<th>Name of the component</th>
<th>8h OEL mg/m³</th>
<th>8h OEL ppm</th>
<th>15min OEL mg/m³</th>
<th>15min OEL ppm</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-butoxyethanol</td>
<td>98</td>
<td>20</td>
<td>246</td>
<td>50</td>
<td>Skin</td>
</tr>
</tbody>
</table>

OEL – occupational exposure limit values in accordance to Annex 1, Cabinet of Ministers’ Regulations No. 325 of 15.05.2007

Note “Skin” by the occupational exposure limit value indicate that the material is absorbed through skin.

EU: Occupational exposure limit values for the contents of the mixture correspond to those approved in the Republic of Latvia.

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

2-butoxyethanol, CAS No. 111-76-2
DNEL
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<table>
<thead>
<tr>
<th>Type of exposure</th>
<th>Contractors</th>
<th>End-users</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Acute exposure, local</td>
<td>Acute exposure, systemic</td>
</tr>
<tr>
<td>Inhalation</td>
<td>246 mg/m³</td>
<td>663 mg/m³</td>
</tr>
<tr>
<td>Dermal</td>
<td>89 mg/kg</td>
<td>Hazards have been identified, but DNEL is not available.</td>
</tr>
<tr>
<td>Per oral</td>
<td>13.4 mg/kg</td>
<td>Hazards have been identified, but DNEL is not available.</td>
</tr>
<tr>
<td>Inhalation</td>
<td>246 mg/m³</td>
<td>Hazards have been identified, but DNEL is not available.</td>
</tr>
<tr>
<td>Dermal</td>
<td>44.5 mg/kg</td>
<td>Hazards have been identified, but DNEL is not available.</td>
</tr>
</tbody>
</table>

2-butoxyethanol, CAS No. 111-76-2

PNEC

<table>
<thead>
<tr>
<th>Environmental objective</th>
<th>PNEC value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freshwater</td>
<td>8.8 mg/l</td>
</tr>
<tr>
<td>Freshwater sediments</td>
<td>8.14 mg/kg</td>
</tr>
<tr>
<td>Seawater</td>
<td>0.88 mg/l</td>
</tr>
<tr>
<td>Seawater sediments</td>
<td>Hazards have been identified, but no PNEC are available</td>
</tr>
<tr>
<td>Food chain</td>
<td>Hazards have been identified, but no PNEC are available</td>
</tr>
<tr>
<td>Micro-organisms in sewage treatment systems</td>
<td>463 mg/l</td>
</tr>
<tr>
<td>Soil (farming)</td>
<td>2.8 mg/kg</td>
</tr>
<tr>
<td>Air</td>
<td>Hazards have been identified, but no PNEC are available</td>
</tr>
</tbody>
</table>

Additional occupational exposure limits, that may cause possible harm during processing:

2-butoxyethanol, CAS No. 111-76-2

NOAEL 100 mg/l (daphnia) (21 d., Daphnia magna; OECD 211)
> 100 mg/l (fish) (21 d., Brachydanio rerio)

8.2. Exposure controls
8.2.1. Adequate technical management

General instructions: Preventive measures – minimize exposure to the effects of liquid, vapour, mist or fumes. 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: If possible eye contact, use goggles (EN166).
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Hand protection: For normal use, not required. Nitrile protective gloves (EN374) recommended.
Body protection: Use work clothing (for example. safety footwear and long-sleeved protective clothing in correspondence to EN ISO 20345 requirements).
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 Aerosol. Orange/red liquid.
b) odour Fruit/citrus aroma
c) odour threshold Not applicable
d) pH 4.1
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 1.017
n) solubility in water Excellent
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
No hazardous reactions

10.2. Chemical stability
Stable.

10.3. Possibility of hazardous reactions
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No data available

10.4. Conditions to avoid
Do not store with strong acids and oxidizers. Prevent freezing. Do not expose to temperatures exceeding 50 °C/122 °F

10.5. Incompatible materials
Sodium hypochlorite, peroxides.

10.6. Hazardous decomposition products
Carbonic oxides, harmful smoke.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological information
a) acute toxicity
No data available regarding toxicity of the mixture.

Component toxicity
2-butoxyethanol, CAS No. 111-76-2
Acute toxicity
Harmful – if digested
LD50 – 470 mg/kg (rat, ingestion)
LD50 – 220 mg/kg (rabbit, through skin)
LC50 – 2 mg/l/4h (rat, inhalation)

b) caustic irritation
May cause skin irritation. May cause skin dryness.

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

h) Specific target organ toxicity, single exposure
No data available regarding toxicity of the mixture.

i) specific target organ toxicity, repeated exposure
No data available regarding toxicity of the mixture.

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.
Component toxicity
2-butoxyethanol, CAS No. 111-76-2

Acute toxicity
Fish
LC50 (96 h) 1341 mg/l, Lepomis macrochirus (Bluegill)

Aquatic invertebrates
EC50 (24h) 1720 mg/l, Daphnia magna (daphnia)

12.2. Persistence and degradability
The product is easily biologically degradable.

12.3. Bioaccumulative potential
2-butoxyethanol, CAS No. 111-76-2 Log Pow 0.81 (25°C)

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
Prevent leakage of concentrated mixture 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
Prevent discharge into drains. Do not store with municipal waste. Transfer waste for disposal or recycling to a licensed waste treatment company.

Waste code
070104 Other organic solvents, 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
150104 Metal 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
UN 1950

14.2. UN proper shipping name
AEROSOLS, flammable
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14.3. Transport hazard class(-es)
ADR/RID/ADN 2
IMDG Class 2
ICAO/IATA class/ section 2
Hazard label

14.4. Packaging group
ADR/RID/ADN packaging group #
IMDG packaging group #
ICAO/IATA packaging group #

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 MARPOL 73/78 and the IBC Code
Not applicable.

15. REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing

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.

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
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Reviewed: on 10 July, 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:

R20/21/22 Harmful in contact with skin, harmful if swallowed, toxic by inhalation
R36/38 Irritating to eyes and skin.

Acute Tox. 4 Acute toxicity, Hazard Category 4
H332 Harmful if inhaled
H312 Harmful in contact with skin
H302 Harmful if swallowed
Eye Irrit. 2 Eye irritation, Hazard category 2
H319 Causes serious eye irritation
Skin Irrit. 2 Skin irritation, Hazard Category 2
H315 Irritates skin

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 bare 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.

End of safety data sheet