

SAFETY DATA SHEET

(Krown) **KROWN T40 RUST PROTECTION & LUBRICANT**
Product code: T-40. T-40 with tacifier
Issued on: 28.01.2010
Revised: 03.01.2012

1. MATERIAL / MIXTURE AND ORGANIZATION / COMPANY IDENTIFICATION

1.1. Product identification

KROWN T40 RUST PROTECTION & LUBRICANT

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

Penetrating lubricant, rust protection

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: KROWN Rust Control LTD
36 Coneygree Road, Tipton DY4 8XF

Telephone: 01215573874

Fax:

E-mail of the competent person: info@krowuk.co.uk

Website: www.krownuk.co.uk

1.4. Telephone for emergency situations

State fire and rescue service: 999

State police: non-emergency number 101, emergency 999

Emergency medical assistance service: 111, 999

State Poison Centre Drug and Poison Information Centre: 111

Manufacturer: +1 (905) 939-8750

2. HAZARDS IDENTIFICATION

2.1. Classification of the material/ mixture

Classification in accordance with the European Committee Directive 67/548/EEC and Directive 1999/45/EC

Not classified

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

Physical and chemical Not classified

Human health Not classified

Environment Not classified

2.2. Label elements

Labelling (Regulation (EC) No. 1272/2008)

Hazard pictograms:

Not required.

Signal word:

Not required.

Hazard statements:

No.

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Precautionary statements:

P101 If medical advice is needed, have product container or label at hand.
P102 Keep away from children
P501 Dispose of the content/container in accordance with local regulation.

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
-	-	-	-	-	-

According to the manufacturer's safety data sheet, the mixture does not contain components that may be hazardous to human health or environment.

4. FIRST AID MEASURES

General information

On all occasions of accident or emergency situations immediately remove the victim from the source of pollution. Even if there are no symptoms present, it is advised to seek medical attention, as the exposure may cause delayed reaction.

Inhalation

Immediately remove the victim from the area of contamination, in case of emergency use respiratory protective equipment. If the breathing has stopped, perform mouth-to-mouth. Keep the person calm. Immediately seek medical attention.

Eye contact

Immediately rinse with large amount of water for until irritation stops. 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

Immediately wash with large amount of water. If possible, use soap. Immediately rinse the contaminated clothing and affected place with large amount of water, before removing the clothing.

Ingestion

If ingested, DO NOT cause vomiting. Keep the person calm. Immediately seek medical attention. Even a little aspiration in the respiratory system during ingestion or vomiting may cause mild to severe lung damage and possible death.

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

Symptoms and effect may depend on the type and circumstances of the exposure, material concentration and exposure time. ATTENTION! Effects may be delayed. Continue to observe the victim.

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

Health research shows that many petroleum hydrocarbons cause potential harm to human health, which can be very different from one person to another. In case of accidental effect, inhalation or ingestion of this chemical matter immediate medical attention may be necessary. In case of doubt IMMEDIATELY SEEK MEDICAL ATTENTION!

5. FIREFIGHTING MEASURES

5.1. Extinguishing media

General directions

Flammable liquid; may create flammable mixtures at ignition temperature or above. In case of fire, immediately stop mixture leaks.

Suitable extinguishing media

Use foam, dry chemicals, water spray.

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 may travel along the ground or surface to greater distances to the sources of ignition, where it may ignite.

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. Spilled product can be slippery.

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

Contain and collect. Use absorbent. Consult experts regarding disposal of collected material. Ensure utilization in accordance with laws and regulations, ensure compliance with local utilization regulations. Immediately inform competent institutions. Carry out all additional measures to prevent adverse effects of the leak.

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Leaks on ground

Eliminate sources of ignition. Evacuate personnel. Prevent additional leaks, if possible without risk. Prevent leak into drains, water bodies or lower ground level. Do not use flammable materials, for example, saw dust. Collect by pumping (use explosion-proof mechanical or hand pump) or use suitable absorbent.

Leaks in water

Collect from surface by skimming or using suitable absorbents. If allowed by local authorities and environment agencies, in open waters may use immersion and/ or suitable solvents.

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

Keep sealed. Open containers and handle with care. Keep in cool, well ventilated area, do not store with incompatible materials.

Do not press, cut, heat or weld product containers. Empty containers can contain product residue. Do not reuse emptied container without industrial cleaning or washing.

7.2. Conditions for safe storage, including any incompatibilities

Do not handle the material and do not keep it near open flame, heat sources or other ignition sources. The material may accumulate static charges, which may cause electric sparks (as ignition source). Use suitable grounding procedures.

7.3. Specific end use(s)

Lubricant with penetrating properties, rust protection

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

8.1.1. Exposure limit values

Name of the component	8h OEL mg/m ³	8h OEL ppm	15min OEL mg/m ³	15min OEL ppm
Mineral oils, petroleum mineral oils	5	-	-	-

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

There are no occupational exposure limit values set by the European Union.

There is no information about the derived no effect levels (DNEL) and prescribed no effect concentration (PNEC) concerning the mixture and its components.

8.2. Exposure controls

8.2.1. Adequate technical management

SAFETY DATA SHEET

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General instructions: Preventive measures – minimize exposure to the effects of liquid, vapour, mist or fumes. In case of emergency, see Section 6.

Technical measures: It is advised to use local exhaust ventilation to control the exposure values near emission sources. Provide mechanical ventilation in enclosed spaces.

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 long-term or repeated eye contact is possible, use goggles and side guards.

If eye contact is unlikely, but may be temporary or periodic, goggles with side guards are recommended.

Hand protection: Safety gloves recommended.

Body protection: Long-sleeved work clothing recommended.

Respiratory protection: If the hazardous material concentration in the workplace air can exceed the occupational exposure limits in accordance to Section 8.1 and if the technical, work practice or other exposure reduction techniques are not adequate, it may be recommended to use certified respirators to prevent overexposure while breathing.

Thermal hazards: Not applicable.

Hygienic measures: Working with the product, it is recommended to apply general protective and hygienic measures for work with chemical substances.

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	Oily liquid
b) odour	Odourless
c) odour threshold	Not specified
d) pH	Not applicable
e) melting / freezing point	-20 °C
f) boiling temperature and boiling temperature range	Not specified
g) flash temperature	>185 °C COC
h) evaporation rate (water=1)	Data not available
i) flammability (for solids, gasses)	Not applicable
j) upper/ lower flammability or explosive limit	Not specified
k) vapour pressure (mm Hg)	Data not available
l) vapour density (air=1)	Data not available
m) relative density	0.9 g/cm ³
n) solubility in water	Insoluble
o) partition coefficient: n-octanol/water	Data not available
p) ignition temperature	450-460 °C
q) degradation temperature	Data not available
r) viscosity	Data not available
s) explosion hazard	Data not available
t) oxidation properties	Data not available

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9.2 Other information Data not available

10. STABILITY AND REACTIVITY

10.1. Reactivity

Data not available.

10.2. Chemical stability

This material is stable and no dangerous polymerization takes place.

10.3. Possibility of hazardous reactions

Data not available.

10.4. Conditions to avoid

Do not store with powerful oxidizers and keep away from fire, prevent heating.

10.5. Incompatible materials

Powerful oxidizers.

10.6. Hazardous decomposition products

No.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological information

a) acute toxicity

No information about acute toxicity available.

b) caustic irritation

Low toxicity.

Repeated or long-term exposure may irritate skin and cause rash (dermatitis). Skin contact may aggravate the pre-existing dermatitis.

c) serious eye damage/ irritation

Mildly irritating, does not damage eye tissue.

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.

f) carcinogenicity

Petroleum oils may contain polycyclic aromatic hydrocarbon (PAH) admixtures. Treating oils with solvents and hydrocarbon, PAHs are separated, virtually eliminating the risk of cancer caused by the effect of PAHs and oils.

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 or components.

i) specific target organ toxicity, repeated exposure

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Consuming very large per oral doses, this product caused temporary stomach, liver and kidney damage in rats (males only). If the occupational exposure limits are not exceeded the effect on humans is insignificant.

j) hazards caused by inhalation

High vapour / aerosol concentrations (above ~ 1000 ppm) may irritate eyes and respiratory system, as well as cause headache, dizziness, anaesthesia, drowsiness, loss of consciousness and other effects on central nervous system, including death.

12. ECOLOGICAL INFORMATION

No data available on the ecological impact of the product, the evaluation is performed based on the information about the mixture components.

12.1. Toxicity

No data on mixture toxicity.

12.2. Persistence and degradability

Not easily biologically degradable.

12.3. Bioaccumulative potential

The bioaccumulation of the mixture or components is not expected.

12.4. Mobility in soil

Petroleum hydrocarbons are not water soluble and do not move 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

Oil products may cause a film on water surface which may inhibit the oxygen exchange.

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 waste treatment company.

Waste code

130205 Mineral-based non-chlorinated engine, gear and lubricating oils.

Container and packaging waste

When possible, recycle containers and packaging free from product residue.

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

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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 -
IMDG -
ICAO/IATA class/ section -
Hazard label -

14.4. Packaging group

ADR/RID/ADN packaging group -
IMDG packaging group -
ICAO/IATA packaging group -

14.5. Environmental hazards

Not classified.

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.

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Commission Regulation (EU) No 944/2013 (2 October 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.

Canadian Environment Protection Act (CEPA)

All components of this mixture are either included in the domestic substances list (DSL) or are exempt.

15. Chemical safety assessment

No data on chemical safety assessment

16. OTHER INFORMATION

Initially developed on: 28.01.2010.

Developer of the initial data safety sheet: EMPACK Regulatory Department

Developed by: 3 June, 2014, SIA "Retorte"

Sections 1-15 reviewed in accordance to EU laws and regulations.

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

IATA: International Air Transport Association

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