

SAFETY DATA SHEET

(KROWN) **QUICK SHINE**
Product code: MD77
Issued on: 17.02.2012
REVISED: 08.09.2014 VERSION 1.1

1. MATERIAL / MIXTURE AND ORGANIZATION / COMPANY IDENTIFICATION

1.1. Product identification

KROWN MD77 QUICK SHINE

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

Silicone overcoat for rubber, vinyl and plastic

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 67491330

2. HAZARDS IDENTIFICATION

2.1. Classification of the material/ mixture

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

Physical and chemical hazards	Flam. Liq. 2, H225
Human health	Asp. Tox. 1; H304. Skin Irrit. 2; H315. STOT SE 3; H336
Environment	Aquatic Chronic 1; H410

2.2. Label elements

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



Signal word:

Dangerous

Hazard statements:

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H225	Extremely flammable liquid and fumes.
H304	May be fatal if swallowed or enters airways.
H315	Irritates skin.
H336	May cause drowsiness or dizziness.
H410	Very toxic to aquatic life with long-lasting effects.

Precautionary statements:

P102	Keep away from children
P210	Keep away from heat, hot surfaces, sparks, open flame and other sources of ignition. No smoking.
P240	Ground/bond container and receiving equipment.
P260	Do not breathe fumes, spray.
P262	Do not get in eyes, on skin or on clothing.
P273	Avoid release in environment.
P301+P310	IF SWALLOWED, contact POISON CENTRE / doctor.
P331	DO NOT INDUCE vomiting.
P403+P235	Keep in well ventilated place. Keep cool.

Contents: heptane, treated naphtha, heavy alkalytes

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

Contains: > 30% aliphatic hydrocarbons

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

Name of components	CAS No.	EINECS No.	RERACH registration No.	Concentration, % of weight	Classification
Naphtha, heavy alkylates; low boiling point modified naphtha	64741-65-7	265-067-2	No registration data	10-30%	Xn; R65 Note P ----- Asp. Tox. 1; H304 Note P
Heptane	142-82-5	205-563-8	No registration data	30-50%	F;R11 Xn; R65 Xi;R38 R67 N;R50-53 ----- Flam. Liq. 2; H225 Asp. Tox. 1; H304 Skin Irrit. 2; H315 STOT SE 3; H336 Aquatic Acute 1; H400 Aquatic Chronic 1; H410

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

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Move person in fresh air. Seek medical attention.

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

Immediately remove contaminated clothing. Thoroughly wash contact area with water. 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. In case of spontaneous vomiting, keep head low to prevent aspiration.

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.

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

Use water spray or water mist, dry chemicals, carbon dioxide, alcohol-resistant foam, foam.

Non-suitable extinguishing media

Do not use powerful stream of water to extinguish fire, as it may cause spreading of flames.

5.2. Special hazards arising from the substance or mixture

Flammable liquid. May form flammable mixtures with air at flash point and beyond.

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

Ventilate the premises. Extinguish all sources of ignition. Emergency personnel in contaminated areas must use adequate personal protective equipment and certified self-contained breathing apparatus.

6.2. Environmental precautions

Prevent further leaks or spills, if it can be done safely. Immediately inform the responsible environmental services about the accident. Prevent release to the environment.

6.3. Methods and material for containment and cleaning up

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Small leaks

Rinse with large amount of water.

Large leaks

Pump (by motor pump or hand pump of explosion-proof construction) or collect by suitable, non-flammable absorbing material and dispose of in accordance with the state and municipal requirements. Do not use flammable materials, for example, sawdust, as absorbing materials. Use non-sparking tools.

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 apparatus. Wear protective goggles and gloves. Prevent eye 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)

Silicone overcoat for rubber, vinyl and plastic

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

8.1.1. Exposure limit values

Latvia: Occupational exposure limit values

Name of the component	8 h OEL mg/m ³	8h OEL ppm	15min OEL mg/m ³	15min OEL ppm	Notes
N-Heptane (CAS 142-82-5)	350	85	2085	500	

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

EU: Occupational exposure limit values

Name of the component	8 hour limit value	
N-Heptane (CAS 142-82-5)	500ppm	2085mg/m ³

Estonia: Occupational exposure limit values Occupational Exposure Limits of Hazardous Substances. (Annex of Regulation No. 293 of 18 September 2001)

Name of the component	STELmg/m ³	TWA
N-Heptane (CAS 142-82-5)		820mg/m ³

Lithuania: Occupational exposure limit values - Limit Values for Chemical Substances, General Requirements (Hygiene Norm HN 23:2007)

Name of the component	STELmg/m ³	TWA
N-Heptane (CAS 142-82-5)	3128mg/m ³	2085mg/m ³

STEL – Short term exposure limit

TWA – Time-weighted average

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

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Derived No Effect Levels (DNEL)

n-Heptane, CAS No.142-82-5

Derived No-Effect Level DNEL

Name of the component	Type	Type of exposure	Value	External type
N-Heptane (CAS 142-82-5)	Contractors	Skin	300mg/kg/day	Long-term systemic effects
N-Heptane (CAS 142-82-5)	End-users	Inhalation	2095 mg/m ³	Long-term systemic effects

Prescribed No Effect Concentration (PNEC)

Data not available.

8.2. Exposure controls

8.2.1. Adequate technical management

General instructions: Preventive measures – minimize the exposure to the effects of liquids, vapours, mists 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: Use protective goggles (EN166).

Hand protection: Use protective gloves (EN374).

Body protection: Use work clothing (for example, protective footwear and protective, long-sleeved clothing in accordance with the requirements of EN ISO 20345) to prevent repeated or prolonged contact with skin.

Respiratory protection: For normal use, not required. In case of insufficient ventilation or there is a risk of inhalation of vapours, use suitable respiratory protection with gas filters A or AX (LVS EN 141, identification colour – brown). In enclosed spaces use respirator with independent air supply.

Thermal hazards: Not applicable.

Hygienic measures: Always comply with correct personal hygiene measures, for example, wash after handling the material and before eating, drinking and/or smoking. Regularly wash work clothing and clean personal protective equipment to remove contamination. Do not eat, drink and smoke while handling the material. Wash contaminated clothing before reuse. Private clothing and work clothing should be kept separately.

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 | Purple liquid |
| b) odour | Sweet |
| c) odour threshold | Not specified |
| d) pH | Not applicable |
| e) melting / freezing point | Not applicable |
| f) boiling temperature and boiling | 115 °C (239°F) |

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temperature range

g) flash temperature 28 °C (82°F)

i) flammability (for solids, gasses) Non-flammable

j) upper/ lower flammability or explosive limit Not specified

h) evaporation rate (water=1) <1

k) vapour pressure (mm Hg) Not specified

l) vapour density (air=1) Not specified

m) relative density 0.7

n) solubility in water Non-soluble

o) partition coefficient: n-octanol/water Not specified

p) ignition temperature 195 °C (374°F)

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

Data not available.

10.4. Conditions to avoid

Do not store with powerful oxidisers.

10.5. Incompatible materials

Powerful oxidisers.

10.6. Hazardous decomposition products

Carbon oxides, silicone dioxide.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological information

a) acute toxicity

This product is harmful, if inhaled or swallowed. If swallowed, this product may be absorbed and induce CNS depression. Inhalation of vapours cause nose, throat and respiratory system irritation with cough, wheezing, dizziness, headache, drowsiness, nausea and vomiting. Inhalation in higher concentrations may cause central nervous system depression and unconsciousness. High vapour concentrations reduce oxygen accessibility for breathing, which may result in suffocation.

Component toxicity

n-Heptane, CAS No. 142-82-5

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Acute toxicity

LD50 >2000 mg/kg (rat, through skin)
LD50 – 3400 mg/kg (rabbit, through skin)

Naphtha, heavy alkylites; CAS No. 64741-65-7

Acute toxicity

LD50 – 6000 mg/kg (rat, ingestion)
LD50 – 3000 mg/kg (rabbit, through skin)
LC50 – 7.8 mg/l/4h (rat, inhalation)

b) caustic irritation

May cause mild to moderate irritation in contact with skin.

c) serious eye damage/ irritation

May cause irritation of eye tissue in contact with eyes.

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 the toxicity of the mixture.

i) specific target organ toxicity, repeated exposure

May cause skin degreasing and dermatitises.

j) hazards caused by inhalation

No data available regarding hazards caused by inhalation of the mixture.

12. ECOLOGICAL INFORMATION

12.1. Toxicity

Extremely toxic to aquatic organisms, may cause long-lasting adverse effects.

Component toxicity

n-Heptane, CAS No. 142-82-5

Acute toxicity

Fish

LC50 (96 h) 375 mg/l, *Tilapia mossambica* (Mozambique tilapia)

12.2. Persistence and degradability

The product is considered to degrade slowly.

12.3. Bioaccumulative potential

Expected in aquatic organisms.

Decomposition coefficient in n-octanole-water system (log Kow): n-Heptane 4.66

12.4. Mobility in soil

The mixture does not mix with water and travels across the water surface.

12.5. Results of PBT and vPvB assessment

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

12.6. Other adverse effects

Product contains volatile organic components, which has photo-chemical ozone depletion potential.

13. DISPOSAL CONSIDERATIONS

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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

070604 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 1206

14.2. UN proper shipping name

ADR 1206 HEPTANES, ENVIRONMENTAL HAZARD

IMDG: HEPTANES, MARINE POLLUTANT

ICAO, IATA: HEPTANES

14.3. Transport hazard class (-es)

ADR/RID/ADN 3 (F1) Flammable liquids

IMDG Class 3 Flammable liquid

ICAO, IATA class/division 3

Hazard label



14.4. Packaging group

ADR/RID/ADN packaging group II

IMDG packaging group II

ICAO/IATA packaging group II

14.5. Environmental hazards

Marine pollutant Yes. Environmental hazard, liquid.

Special labels (ADR) Symbol (fish and tree)

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14.6. Special precautions for user

EMS F-E, S-D

Before handling the product, become acquainted with the safety instructions, DSF and the description of emergency procedures.

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

Not applicable.

14.8. Transportation/ other information

ADR

Limited quantities (LQ) 1L

Exempt quantities (EQ) Code E2

Max net amount in one internal container:
30ml

Max net amount in one external container:
500ml

Transportation category 2

Limitation code for use of tunnels D/E

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.

Procedures for Classification, Labelling and Packaging of Chemical Substances and Chemical Products (Regulations of the Cabinet of Ministers' of the Republic of Latvia No. 107 of 12.03.2002)

Labour Protection Requirements when Coming in Contact with Chemical Substances at Workplaces (Regulations of the Cabinet of Ministers' of the Republic of Latvia No. 325 of 15.05.2007)

15.2. Chemical risk assessment

No data on chemical risk assessment

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16. OTHER INFORMATION

Developed on: 17.02.2012
Developed by: J. Brideau (800) 267-5744
Reviewed: on 8 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.

Classification in accordance with Regulation of the Council 67/548/EEC and Directive 1999/45/EC
F;R11 Xn;R65 Xi;R38, R67 N;R50/53

Labelling in accordance with 1999/45/EC

Hazard labels



Flammable



Irritating



Environmental hazard

Hazard statements

R11	Flammable liquid.
R38	Irritates skin.
R50/53	Very toxic to aquatic life, may have long-lasting adverse effect on aquatic environment.
R65	Hazardous – may cause lung damage, if swallowed.
R67	Fumes may cause drowsiness and dizziness.

Safety phrases

S2	Keep away from children.
S9	Keep in well ventilated area.
S16	Keep away from fire – do not smoke.
S23	Do not breathe fumes or aerosols.
S24	Prevent contact with skin.
S29/56	Do not empty into drains. Dispose of this material and its container at hazardous or special waste collection point.
S37	Wear suitable gloves.
S51	Use only in well ventilated areas.
S61	Avoid release to the environment. Refer to special instructions / safety data sheet.
S46	If swallowed, immediately seek medical attention and show this container or label.

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

R65	Harmful – may cause lung damage, if swallowed.
R11	Flammable.
R38	Irritating to skin.,

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R67	Fumes may cause drowsiness or dizziness.
N50-53	Very toxic to aquatic life, may have long-lasting adverse effect on aquatic environment.
Asp.Tox.1 H304 Note P	Inhalation hazard, Hazard Category 1 May cause death, if swallowed or enters airways. The classification as a carcinogen or mutagen need not apply if it can be shown that the substance contains less than 0,1 % w/w benzene (EINECS No 200-753-7). When the substance is not classified as a carcinogen at least the precautionary statements (P102-)P260-P262-P301 + P310-P331 (Table 3.1) or the S-phrases (2-)23-24-62 (Table 3.2) shall apply. This note applies only to certain complex oil-derived substances in Part 3.
Flam. Liq.2 H225	Flammable liquid. Hazard Category 2 Flammable liquid and vapours.
Skin Irrit. 2 H315	Skin irritation, Hazard Category 2 Irritates skin
STOT SE 3 H336	Toxic effect on target organ – single exposure, Hazard Category 3 May cause drowsiness or dizziness.
Aquatic Acute 1 H400	Substance hazardous to aquatic environment, Acute Hazard Category 1 Very toxic to aquatic organisms.
Aquatic Chronic 1 H410	Substance hazardous to aquatic environment, Chronic Hazard Category 1 Very toxic to aquatic organisms with lasting effects.

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

OEL - Occupational exposure limit values

STEL – Short term exposure limit

TWA – Time-weighted average

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