

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015) Date of issue: 09/21/2018 Revision date: 09/21/2018 Version: 1.0

SECTION 1: Identification 1.1. **Product identifier** : Mixture Product form : KLFSM Product name 1.2. Recommended use and restrictions on use : Lubricant, Corrosion inhibitors Recommended use Restrictions on use : Not determined 1.3. Supplier Krown Rust Control 35 MAGNUM DRIVE L0G 1T0 SCHOMBERG - CANADA T (905) 939-8750 1.4. **Emergency telephone number** : (905) 939-8750 Emergency number **SECTION 2: Hazard identification** 2.1. Classification of the substance or mixture **Classification (GHS-CA)** Skin corrosion/irritation, Category 2 H315 Serious eye damage/eye irritation, Category 2 H319 Reproductive toxicity, Additional category, Effects on or via lactation H362 Full text of H statements : see section 16 2.2 GHS Label elements, including precautionary statements **GHS-CA** labelling Hazard pictograms (GHS-CA) Signal word (GHS-CA) : Warning Hazard statements (GHS-CA) : H315 - Causes skin irritation. H319 - Causes serious eye irritation. H362 - May cause harm to breast-fed children. : P201 - Obtain special instructions before use. Precautionary statements (GHS-CA) P260 - Do not breathe dust/fume/gas/mist/vapours/spray. P263 - Avoid contact during pregnancy/while nursing. P264 - Wash hands, forearms and face thoroughly after handling. P270 - Do not eat, drink or smoke when using this product. P280 - Wear protective gloves/protective clothing/eye protection/face protection. P302+P352 - IF ON SKIN: Wash with plenty of water. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P308+P313 - IF exposed or concerned: Get medical advice/attention. P321 - Specific treatment (see supplemental first aid instruction on this label) P332+P313 - If skin irritation occurs: Get medical advice/attention. P337+P313 - If eye irritation persists: Get medical advice/attention. P362+P364 - Take off contaminated clothing and wash it before reuse. 2.3. **Other hazards** Other hazards not contributing to the : None. classification 2.4 Unknown acute toxicity (GHS-CA) No data available **SECTION 3: Composition/information on ingredients** 3.1. **Substances** Not applicable

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3.2. Mixtures

Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS-CA)
Barium Sulfonate	Sulfonic acid, barium salt / Barium Compaund,	(CAS-No.) 61790-48-5	5 - 10	Skin Irrit. 2, H315 Eye Irrit. 2, H319
Alkanes, C14-17, chloro	Alkanes, C14-17, chloro- / Paraffin, C14-17 chlorinated / Medium chain (C14-17) chlorinated paraffins (MCCPs) / Chlorinated paraffins (C14-17) / Medium chain (C14-17) chlorinated paraffins / Chloroparaffins, unbranched, mid- chain CxH(2x-y+2)Cly, where x = 14- 17 and y = 1-17 / Medium chain chlorinated paraffins (C14-17) / C14- 17 Chlorinated hydrocarbons / Alkanes, C14-17-chloro- / C14-17 Chloroalkanes / Chlorinated paraffin (C14-17) / Chloroalkanes C14-17 / Chloroalkanes (C14-17) / Intermediate chain chlorinated paraffins (C14-17)	(CAS-No.) 85535-85-9	5 - 10	Lact., H362 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures	
4.1. Description of first aid measures	
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Take off contaminated clothing. Wash skin with plenty of water. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell.
First-aid measures general	: If you feel unwell, seek medical advice (show the label where possible).
4.2. Most important symptoms and effect	ts (acute and delayed)
Symptoms/effects after skin contact	: Irritation.
Symptoms/effects after eye contact	: Eye irritation.
4.3. Immediate medical attention and spe	ecial treatment, if necessary
Other medical advice or treatment	: Not applicable.

SECT	FION 5: Fire-fighting measures	
5.1.	Suitable extinguishing media	
Suita	ble extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.
5.2.	Unsuitable extinguishing media	
Unsu	itable extinguishing media	: Not determined.
5.3.	Specific hazards arising from the h	nazardous product
No add	litional information available	
5.4.	Special protective equipment and	precautions for fire-fighters
Firefi	ghting instructions	: Exercise caution when fighting any chemical fire.
Prote	ction during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECT	ON 6: Accidental release meas	ure	es a la companya de l
6.1.	Personal precautions, protective equipment and emergency procedures		
No addi	tional information available		
6.2.	Methods and materials for containme	nt	and cleaning up
For co	ntainment	:	Collect spillage.
Metho	ds for cleaning up	:	In case of large spillages: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Shovel or sweep up and put in a closed container for disposal. Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. Notify authorities if product enters sewers or public waters.
Other	information	:	Dispose of materials or solid residues at an authorized site.
6.3.	Reference to other sections		

For further information refer to section 8: "Exposure controls/personal protection"

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SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Precautions for safe handling	: Ensure good ventilation of the work station. Obtain special instructions before use. Avoid contact during pregnancy/while nursing. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes. Wear personal protective equipment.
Hygiene measures	: Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
7.2. Conditions for safe storage, including	g any incompatibilities
Storage conditions	: Store in a well-ventilated place. Keep cool.

SECTION 8: Exposure controls/personal protection		
8.1. Control parameters		
No additional information available		
8.2. Appropriate engineering controls		
Appropriate engineering controls	: Ensure good ventilation of the work station.	
Environmental exposure controls	: Avoid release to the environment.	
8.3. Individual protection measures/Pers	sonal protective equipment	
Hand protection:		
Protective gloves		
Eye protection:		
Safety glasses		
Skin and body protection:		
Wear suitable protective clothing		
Respiratory protection:		

In case of insufficient ventilation, wear suitable respiratory equipment

.1. Information on basic physical and	d chamical properties
Physical state	: Liquid
Appearance	: Liquid.
Colour	: Brown
Odour	: odourless
Odour threshold	: No data available
рН	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Relative evaporation rate (ether=1)	: No data available
Melting point	: Not applicable
Freezing point	: -20 °C
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Vapour pressure at 50 °C	: No data available
Relative density	: No data available
Solubility	: Insoluble.
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: 100 mPa.s
Explosive limits	: No data available

9.2. Other information

No additional information available

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SECTION 10: Stability and reactive	/ity
10.1. Reactivity	
Reactivity	: The product is non-reactive under normal conditions of use, storage and transport.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No dangerous reactions known under normal conditions of use.
Conditions to avoid	: Oxidizing agents and strong acids.
Incompatible materials	: Peroxides. Sodium hypochlorite.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not b produced. On combustion, forms: carbon oxides (CO and CO2).

SECTION 11: Toxicologic 11.1. Information on toxico		
Acute toxicity (oral)	: Not classified	
Acute toxicity (dermal)	: Not classified	
Acute toxicity (inhalation)	: Not classified	

Aikalics, 014-11, cillolo (00000-00-0)	
LD50 oral rat	2000 mg/kg
Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: May cause harm to breast-fed children.
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
Symptoms/effects after skin contact	: Irritation.
Symptoms/effects after eye contact	: Eye irritation.

SECTION 12: Ecological information	
12.1. Toxicity	
Ecology - general :	Toxic to aquatic life with long lasting effects. Toxic to aquatic life.
Acute aquatic toxicity :	Not classified
Chronic aquatic toxicity :	Not classified
Alkanes, C14-17, chloro (85535-85-9)	
Log Pow	5.5 - 6.0
12.2. Persistence and degradability	
KLFSM	
Persistence and degradability	Not established.
12.3. Bioaccumulative potential	
KLFSM	
Bioaccumulative potential	Not established.
Alkanes, C14-17, chloro (85535-85-9)	
Log Pow	5.5 - 6.0
12.4. Mobility in soil	
KLFSM	
Ecology - soil	Not established.
Alkanes, C14-17, chloro (85535-85-9)	
Log Pow	5.5 - 6.0

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12.5. Other adverse effects	
Ozone	: Not classified
Effect on the global warming	: Not established.
Effect of the global warning	. NOL ESTADISTICU.
SECTION 13: Disposal consideration	5
13.1. Disposal methods	
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Product/Packaging disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations.
SECTION 14: Transport information	
14.1. Basic shipping description	
In accordance with TDG	
Transportation of Dangerous Goods	
UN-No. (TDG)	: UN3082
Packing group	: III - Minor Danger
TDG Primary Hazard Classes	: 9 - Class 9 - Miscellaneous Products, Substances or Organisms
Transport document description	 UN3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Alkanes, C14- 17, chloro), 9, III
Proper Shipping Name (Transportation of	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Dangerous Goods)	Alkanes, C14-17, chloro
Hazard labels (TDG)	: 9 - Miscellaneous dangerous substances and articles
TDG Special Provisions	16 - (1) The technical name of at least one of the most dangerous substances that predominantly contributes to the hazard or hazards posed by the dangerous goods must be shown, in parentheses, on the shipping document following the shipping name in accordance with clause 3.5(1)(c)(ii)(A) of Part 3 (Documentation). The technical name must also be shown, in parentheses, on a small means of containment or on a tag following the shipping name in accordance with subsections 4.11(2) and (3) of Part 4 (Dangerous Goods Safety Marks). (2) Despite subsection (1), the technical name for the following dangerous goods is not required to be shown on a shipping document or on a small means of containment when Canadian law for domestic transport or an international convention for international transport prohibits the disclosure of the technical name: (a)UN1544, ALKALOID SALTS, SOLID, N.O.S. or ALKALOIDS, SOLID, N.O.S. (b)UN1851, MEDICINE, LIQUID, TOXIC, N.O.S; (c)UN3140, ALKALOID SALTS, LIQUID, N.O.S. (b)UN1851, MEDICINE, LIQUID, TOXIC, N.O.S. An example in Canada is the "Food and Drugs Act". (3) Despite subsection (1), the technical name for the following dangerous goods is not required to be shown on a small means of containment: (a)UN2814, INFECTIOUS SUBSTANCE, AFFECTING HUMANS; or (b)UN2900, INFECTIOUS SUBSTANCE, AFFECTING ANIMALS. SOR/2014-306 99 - (1)Mixtures of solids that are not dangerous goods and liquids or solids that are UN3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S, or UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S, or UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S, or unsport or transported as UN3077 if there is no visible liquid when the dangerous goods are loaded into a means containment and during transport. (2)These Regulations, except for Part 1 (Coming into Force, Repeal, Interpretation, General Provisions and Special Cases) and Part 2 Classification), do not apply to the handling, offering for transport rtransporting of less than 450 L of UN3082, ENVIRONMENTALLY
Explosive Limit and Limited Quantity Index	: 5L
Excepted quantities (TDG)	: E1

Excepted quantities (TDG)	: E1
14.2. Transport information/DOT	
Department of Transport	
DOT NA no.	: UN3082

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IMDG UN-No. (IMDG)	: 3082
14.3. Air and sea transport	
Other information	: No supplementary information available.
Emergency Response Guide (ERG) Number	: 171
DOT Vessel Stowage Location	: A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.
(49 CFR 173.27) DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: No limit
DOT Quantity Limitations Passenger aircraft/rail	: No limit
DOT Packaging Bulk (49 CFR 173.xxx)	: 241
DOT Packaging Non Bulk (49 CFR 173.xxx)	: 203
DOT Packaging Exceptions (49 CFR 173.xxx)	UN3077 and may be transported under this entry, provided there is no free liquid visible at the time the material is loaded or at the time the packaging or transport unit is closed. Each transport unit must be leakproof when used as bulk packaging. IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only liquid with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 5 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Tab 2 for UN2672). T4 - 2.65 178.274(d)(2) Normal
DOT Special Provisions (49 CFR 172.102)	 8 - A hazardous substance that is not a hazardous waste may be shipped under the shipping description "Other regulated substances, liquid or solid, n.o.s.", as appropriate. In addition, for solid materials, special provision B54 applies. 146 - This description may be used for a material that poses a hazard to the environment but does not meet the definition for a hazardous waste or a hazardous substance, as defined in 171.8 of this subchapter, or any hazard class as defined in Part 173 of this subchapter, if it is designated as environmentally hazardous by the Competent Authority of the country of origin, transit or destination. 173 - An appropriate generic entry may be used for this material. 335 - Mixtures of solids that are not subject to this subchapter and environmentally hazardous liquids or solids may be classified as "Environmentally hazardous under this entry provided there is no free liquid visible at the
Marine pollutant	: Yes
Dangerous for the environment	: Yes
Marine pollutant	: • Marine pollutant
Hazard labels (DOT)	: 9 - Class 9 (Miscellaneous dangerous materials)
Division (DOT)	: 9 · O. Class O. (Missellanseus dangereus meteriale)
Class (DOT)	: 9 - Class 9 - Miscellaneous hazardous material 49 CFR 173.140
Contains Statement Field Selection (DOT)	:
	Alkanes, C14-17, chloro
Proper Shipping Name (DOT)	: Environmentally hazardous substances, liquid, n.o.s.
Transport document description	: UN3082 Environmentally hazardous substances, liquid, n.o.s. (Alkanes, C14-17, chloro), 9, II
DOT Symbols	: G - Identifies PSN requiring a technical name
Packing group (DOT)	: III - Minor Danger

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Proper Shipping Name (IMDG)	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Transport document description (IMDG)	: UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Alkanes, C14- 17, chloro), 9, III
Class (IMDG)	: 9 - Miscellaneous dangerous substances and articles
Packing group (IMDG)	: III - substances presenting low danger
ΙΑΤΑ	
UN-No. (IATA)	: 3082
Proper Shipping Name (IATA)	: Environmentally hazardous substance, liquid, n.o.s.
Transport document description (IATA)	: UN 3082 Environmentally hazardous substance, liquid, n.o.s. (Alkanes, C14-17, chloro), 9, III
Class (IATA)	: 9 - Miscellaneous Dangerous Goods
Packing group (IATA)	: III - Minor Danger

SECTION 15: Regulatory information

15.1. National regulations

No additional information available

Listed on the Canadian DSL (Domestic Substances List) Lubricating oils, petroleum, hydrotreated spent (64742-58-1) Listed on the Canadian DSL (Domestic Substances List) 15.2. International regulations Barium Sulfonate (61790-48-5)	
Listed on the Canadian DSL (Domestic Substances List) 5.2. International regulations	
5.2. International regulations	
Danum Sunonate (01790-46-5)	
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) Listed on the Korean ECL (Existing Chemicals List)	
Alkanes, C14-17, chloro (85535-85-9)	

Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
Listed on the Korean ECL (Existing Chemicals List)
Listed on NZICC (Now Zeeland Inventory of Chemicale)

- Listed on NZIoC (New Zealand Inventory of Chemicals) Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
- Listed on INSQ (Mexican National Inventory of Chemical Substances)

Listed on Turkish inventory of chemical

Lubricating oils, petroleum, hydrotreated spent (64742-58-1)

Listed on the AICS (Australian Inventory of Chemical Substances) Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China) Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) Listed on the Korean ECL (Existing Chemicals List) Listed on NZIoC (New Zealand Inventory of Chemicals) Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances) Listed on the United States TSCA (Toxic Substances Control Act) inventory Listed on INSQ (Mexican National Inventory of Chemical Substances) Listed on Turkish inventory of chemical

SECTION 16: Other information

Date of issue	: 09/21/2018
Revision date	: 07/11/2018
Other information	: DISCLAIMER OF LIABILITY The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

Full text of H-statements:

H315	Causes skin irritation.
H319	Causes serious eye irritation.
H362	May cause harm to breast-fed children.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

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SDS Canada (GHS)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product