Nanoplas
Safety Data Sheet

1. Identification

Product name: Dri Kote

Recommended use: Lubricants, Greases and Release Products

Restrictions on use: None known

Supplier:
Nanoplas
2950 Prairie Street South West
Suite 900
Grandville, MI 49418
T (616)-452-3707

Emergency number:
For Chemical Emergency Call INFOTRAC 24hr/day 7days/week
Within USA, Mexico and Canada: 800-535-5053 ID# 102222
Outside USA, Mexico and Canada: 1-352-323-3500 ID# 102222

Date of issue: 07/22/2019

2. Hazard(s) identification

Classification:

Physical hazards	Health hazards
Flammable aerosol Category 1 Gases under pressure Compressed gas	Skin corrosion/irritation Category 2 Specific target organ toxicity (single exposure) Category 3 Aspiration hazard Category 1

GHS US labeling:

Danger!

CONTAINS: Naphtha (petroleum), hydrotreated light

Hazard statements (GHS US)	Precautionary statements (GHS US)
H222 - Extremely flammable aerosol H280 - Contains gas under pressure; may explode if heated H304 - May be fatal if swallowed and enters airways H315 - Causes skin irritation H336 - May cause drowsiness or dizziness	P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P211 - Do not spray on an open flame or other ignition source. P251 - Pressurized container: Do not pierce or burn, even after use. P261 - Avoid breathing spray, vapors, gas. P264 - Wash hands thoroughly after handling. P271 - Use only outdoors or in a well-ventilated area. P280 - Wear eye protection, protective gloves. P301+P310 - If swallowed: Immediately call a poison

	center or doctor P331 - Do NOT induce vomiting. P302+P352 - If on skin: Wash with plenty of water. P362+P364 - Take off contaminated clothing and wash it before reuse. P332+P313 - If skin irritation occurs: Get medical advice/attention. P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing P312 - Call a doctor if you feel unwell P405 - Store locked up. P403 - Store in a well-ventilated place. P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. P501 - Dispose of contents or container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

3: Composition/Information on ingredients

Component	CAS-No.	Amount (%)
Naphtha (petroleum), hydrotreated light	64742-49-0	1-5
Propane	74-98-6	60-80
isobutane	75-28-5	10-30

4. First-aid measures

Inhalation: Move the affected person to the fresh air. Get medical attention if symptoms occur.

Skin: Wash skin with plenty of water. Take off contaminated clothing. Get medical advice if skin irritation persists.

Eyes: Rinse eyes with water as a precaution. Get medical attention if irritation develops and persists.

Ingestion: Do not induce vomiting. Call a physician immediately.

Symptoms/effects: Aspiration hazard. May be fatal if swallowed and enters airways. Causes skin irritation. May cause minor eye irritation. May cause drowsiness or dizziness.

Immediate medical attention and special treatment, if necessary: Aspiration hazard. If swallowed then seek immediate medical assistance.

5. Fire-fighting measures

Suitable extinguishing media: Use dry chemical, CO2, water spray or alcohol-resistant foam.

Unsuitable extinguishing media: None.

Fire hazard: Extremely flammable aerosol. Keep away from open flames, hot surfaces and sources of ignition. Vapors are heavier than air and may travel considerable distance to an ignition source and flash back to source of vapors. Exposure to fire may cause containers to rupture/explode.

Explosion hazard: Contains gas under pressure; may explode if heated. Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.

Special protective equipment and precautions for fire-fighters: Fight fire from safe distance and protected location. On heating, there is a risk of bursting due to internal pressure build-up. Cool down the containers exposed to heat with a water spray. Use shielding to protect from bursting cans. Do not attempt to take action without suitable protective equipment.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: Eliminate all ignition sources. Ventilate area. Wear suitable protective clothing. Avoid contact with eyes, skin and clothing.

Methods and material for containment and cleaning up: Leaking cans should be placed in a plastic bag or open pail until the pressure has dissipated. Absorb and/or contain spill with inert material, then place in suitable container. Notify authorities if product enters sewers or public waters. Place in a suitable container for disposal in accordance with the waste regulations (see Section 13).

7. Handling and storage

Precautions for safe handling: Ensure adequate ventilation. Use only outdoors or in a well-ventilated area. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Unplug electrical tools, motors, and appliances before spraying or bringing the can near any source of electricity. Electricity can burn a hole in the can and cause contents to burst into flames. To avoid serious burn injury, do not let the can touch battery terminals, electrical connections on motors or appliances, or any other source of electricity. Pressurized container: Do not pierce or burn, even after use. Wear personal protective equipment. Avoid breathing gas, vapors or spray. Avoid contact with eyes, skin and clothing. Wash hands with water and soap.

Storage conditions: Store in a cool, well-ventilated place. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.

NFPA aerosol level: 3

8. Exposure controls/personal protection

Exposure guidelines:	
Propane	1800 mg/m³ TWA OSHA PEL; 1000 ppm TWA OSHA PEL;
isobutane	1000 ppm (EX - Explosion hazard) STEL ACGIH;
Naphtha (petroleum), hydrotreated light	None established.

Appropriate engineering controls: Provide adequate general and local exhaust ventilation.

Environmental exposure controls: Avoid release to the environment.

Personal protective equipment:

Hand protection: Wear suitable gloves

Eye protection: Use suitable eye protection

Skin and body protection: Wear suitable protective clothing

Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment. In operations where exposure limits are exceeded or exposure levels are excessive, an approved respirator should be used. Respirator selection and use should be based on contaminant type, form and concentration. Follow applicable regulations and good Industrial Hygiene practice.

9. Physical and chemical properties

Physical state	: Liquid	**Odor threshold**	: No data available
Color	: amber	**pH**	: No data available
Odor	: Solvent	**Melting point**	: Not applicable

Freezing point	: No data available	**Auto-ignition temperature**	: No data available
Boiling point	: No data available	**Decomposition temperature**	: No data available
Flash point	: -104 °C	**Viscosity, kinematic**	: < 20.5 cSt
Relative evaporation rate (butyl acetate=1)	: No data available	**Viscosity, dynamic**	: No data available
Flammability (solid, gas)	: Extremely flammable aerosol.	**Explosion limits**	: No data available
Vapor pressure	: No data available	**Explosive properties**	: No data available
Relative vapor density at 20 °C	: No data available	**Oxidizing properties**	: No data available
Relative density	: 0.577		
Solubility	: Insoluble in water.		
Log Pow	: No data available		

VOC content : 98.94 %

10. Stability and 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: Do not puncture or incinerate containers. Keep away from open flames, hot surfaces and sources of ignition.

Incompatible materials : Keep away from oxidizers, strong acids and strong bases.

Hazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. Toxicological information

Inhalation: High concentration of vapors may induce: headache, nausea, dizziness. Intentional abuse may be harmful or fatal. May cause minor irritation to the respiratory tract and to other mucous membranes.

Skin: Causes skin irritation.

Eyes: May cause minor eye irritation.

Ingestion: Aspiration hazard. Swallowing the liquid may cause aspiration into the lungs with the risk of chemical pneumonitis. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Carcinogenicity:	Not classified
Propane:	This component is not listed as a carcinogen or suspected carcinogen by IARC, NTP, ACGIH, OSHA or the EU CLP.
isobutane:	This component is not listed as a carcinogen or suspected carcinogen by IARC, NTP, ACGIH, OSHA or the EU CLP.
Naphtha (petroleum), hydrotreated light	This component is not listed as a carcinogen or suspected carcinogen by IARC, NTP, ACGIH, OSHA or the EU CLP.
Germ cell mutagenicity:	Not classified
Reproductive toxicity:	Not classified

Numerical measures of toxicity:

The following are the toxicity values for the components:

Propane:	No data available
isobutane:	No data available
Naphtha (petroleum), hydrotreated light:	Dermal rat LD50- > 2000 mg/kg; Inhalation rat LC50- > 5610 mg/m³;
Skin corrosion/irritation	Causes skin irritation
Serious eye damage/irritation	Not classified
Respiratory or skin sensitization	Not classified
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
Specific target organ toxicity – single exposure	May cause drowsiness or dizziness.
Specific target organ toxicity – repeated exposure	Not classified

12. Ecological information

Ecology - general: The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

Ecotoxicity:

Naphtha (petroleum), hydrotreated light	10 mg/L Fish LC50; 4.5 mg/L Daphnia EC50

Persistence and degradability:	No data available
Bioaccumulative potential:	No data available
Mobility in soil:	No data available

Other adverse effects:

No data available

13. Disposal considerations

Regional legislation (waste): Dispose of contents or container in accordance with local, regional, or national.

14. Transport information

Department of Transportation (DOT)

Proper Shipping Name (DOT)	: Aerosols
UN-No.(DOT)	: UN1950
Class (DOT)	: 2.1
Packing group (DOT)	: N/A
Hazard labels (DOT)	: Flammable gas

Transport by sea

Proper Shipping Name (IMDG)	: AEROSOLS
UN-No. (IMDG)	: 1950
Class (IMDG)	: 2.1
Packing group (IMDG)	: N/A

Air transport

Proper Shipping Name (IATA)	: Aerosols, flammable
UN-No. (IATA)	: 1950
Class (IATA)	: 2.1
Packing group (IATA)	: N/A

15. Regulatory information

SARA Section 313 - Emission Reporting: Not subject to reporting requirements of the United States SARA Section 313

CERCLA Section 103:

This product is not subject to reporting under CERLCA. However, many states have more stringent reporting requirements. Report all spills in accordance with local, state, and federal regulations.

SARA 302:

Not applicable

SARA Section 311/312 Hazard Classes: Refer to Section 2 for OSHA Hazard Classification.

California Proposition 65:

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

TSCA: All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

INTERNATIONAL INVENTORIES

Australia AICS:	All the components are listed
Canada DSL:	All the components are listed
China IECSC:	All the components are listed
EU EINECS:	All the components are listed
Japan ENCS:	All the components are listed
Korea KECL:	All the components are listed
New Zealand:	All the components are listed
Philippines PICCS:	All the components are listed
Taiwan CSNN	All the components are listed

16. Other information

Revision date : 07/22/2019

NFPA	
NFPA health hazard:	2
NFPA fire hazard:	4
NFPA reactivity:	0

HMIS Hazard Rating	
Health:	2 Moderate Hazard - Temporary or minor injury may occur
Flammability:	4 Severe Hazard - Flammable gases, or very volatile flammable liquids with flash points below 73 F, and boiling points below 100 F. Materials may ignite spontaneously with air. (Class IA)
Physical:	0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

NOTICE

This above information is believed to be correct but does not propose to be all inclusive and shall be used only as a guide. The company listed in Section 1 shall not be held liable for any damage resulting from handling or from contact with the above product. This information relates only to the product designated herein and does not relate to its use in combination with any other material or process.