



ADVANCE

PRODUCTS & SYSTEMS, LLC

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ISO 9001 Certified

Safety Data Sheet

Issue Date: February 6, 2015

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Reason: Revised to update company name

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: Kleergel

Item No's:

Product use: Lubricant

Company address:

Advance Products & Systems LLC
108 Asset Ave
Scott LA 70583

Contact Information:

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2. HAZARD COMMUNICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

This product is not classified as hazardous according to Regulation (EC) No 1272/2008.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC

This product is not classified as dangerous according to Directive 67/548/EEC or Directive 1999/45/EC.

Classification according to WHMIS

This product is not classified as hazardous

2.2 Classification of mixture according to US and EU directive (29 CFR 1910.1200, EC 1272.2008, EC 67/548/EEC & 1999/45/EC): **NON-HAZARDOUS**

2.3 GHS Label Elements

Labeling according to Regulation (EC) No 1272/2008: Not applicable.

Hazard pictograms: Not applicable.

Signal word: Not applicable.

Hazard statements: No known significant effects or critical hazards.

Precautionary Statements

Prevention: Keep out reach of children

Response: If Swallowed: Immediately call a poison control center or physician. Do not induce vomiting.

Storage: Store Locked up.

Disposal: Dispose of contents and container in accordance with all local, regional, national and international regulations.

Other hazards: Thermal decomposition can lead to release of toxic and corrosive gases.

3. COMPOSITION INGREDIENTS ON INGREDIENTS

Hazardous Components:

Name	%	CAS Number	EC Number	Classification
Decene, homopolymer, hydrogenated substance with a Community workplace exposure limit	<85	68037-01-4	500-183-1	Non hazardous
White mineral oil (petroleum) substance with a Community workplace exposure limit	<25	8042-47-5	232-455-8	Non hazardous
Silane, dichlorodimethyl-, reaction products with silica substance with a Community workplace exposure limit	<5	68611-44-9	271-893-4	Non hazardous

Non-hazardous components:

Name	%	CAS Number	EC Number	Classification
Polytetrafluoroethylene	<4%	9002-84-0		Non hazardous
Polyisobutylene	<2.5%	9003-27-4		Non hazardous
Polyether Polyol	<1	25322-69-4		Non hazardous

Additional information: For the wording of the listed risk phrases refer to section 16.

4. FIRST AID MEASURES

4.1 Description of Necessary First Aid Measures :

Eye Contact: Check for and remove any contact lenses. Immediately flush eyes, including under eyelids, with plenty of water for at least 15 minutes. If irritation develops and persists, see a specialist.

Skin Contact: Wash with soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing and shoes before re-use. Get medical attention if irritation develops and persists.

Inhalation: Remove to fresh air. Keep person warm and at rest. If not breathing or breathing is irregular, provide artificial respiration or oxygen by trained personnel. Get medical attention if symptoms appear and persist.

Ingestion: Seek medical advice immediately and show this SDS or label. DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention if symptoms appear

4.2 Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye Contact: No significant health hazards identified.

Skin Contact: Prolonged or repeated contact can defat the skin and lead to irritation and/or dermatitis.

Inhalation: Inhalation of oil mist or vapors at elevated temperatures may cause respiratory irritation or polymer fume fever, especially when smoking contaminated tobacco.

Ingestion: No known significant effects or critical hazards.

4.3 Over-exposure signs/symptoms

Eye Contact: No specific data.

Skin Contact: No specific data.

Inhalation: Headache, shortness of breath, cough, flu-like symptoms.

Ingestion: Adverse symptoms may include nausea or vomiting.

4.4 Indication of immediate medical attention and special treatment needed, if necessary

Specific treatments: No specific treatments.

Notes to physician: May aggravate pre-existing respiratory and skin conditions, allergies or eczema. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need medical surveillance for 48 hours.

Protection of first responders: No action shall be taken involving any personal risk or without suitable training.

5. FIRE FIGHTING MEASURES

- 5.1 Suitable extinguishing media :** On large fires use dry chemical, foam, alcohol-resistant foam or water mist (fog). On small fires use carbon dioxide (CO₂), dry chemical or water mist. Water can be used to cool fire-exposed containers.
- Unsuitable extinguishing media:** Do not use water jet.
- 5.2 Hazards during fire fighting:** Burning produces noxious and toxic fumes. Hazardous combustion products: Carbon & sulfur oxides, other carbon compounds, silica, acid fluorides (HF, COF₂).
- Other hazards:** In a fire or if heated, a pressure increase may occur and a sealed container may burst.
- 5.3 Special protective actions for firefighters:** In case of fire, promptly isolate the scene by removing all non-emergency people from the vicinity of the incident. No action shall be taken involving any personal risk or without suitable training. Approach fire from upwind.
- Special protective equipment for firefighters:** Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
- 5.4 Further Information:** This material is not explosive as defined by established regulatory criteria. In a fire or if heated, a pressure increase may occur within sealed containers and containers may burst. Cool containers with water or water spray.

6. ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions, protective equipment and emergency procedures**
May form slippery/greasy layer with water. No special measures required.
- 6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- 6.3 Methods and material for containment and cleaning up**
Dispose of the material collected according to regulations.
Scrape up and dispose of in accordance with local and national regulations.
- 6.4 Reference to other sections**
Use according to good working practice and avoid releasing product into the environment (see Section 12).
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7. HANDLING AND STORAGE

- 7.1 Handling: General:** Handle in accordance with good industrial hygiene and safety practice. Keep container closed when not in use. Take precautionary measures against static discharge. Put on appropriate personal protective equipment (see Section 8). Avoid prolonged or repeated contact with skin. Avoid breathing vapor or mist. This product may contain small amounts of residual Hydrogen Fluoride, which can be released during handling or use. Open container only in well-ventilated area. Wash hands thoroughly after handling. Avoid contaminating tobacco products. Eating, drinking, and smoking should be prohibited in areas where this material is handled. Workers should wash hands and face before eating, drinking, and smoking.
- 7.2 Storage:** Keep container tightly closed. Keep container in a cool, well-ventilated area. Keep away from incompatible materials (see section 10) and food and drink. Keep containers tightly closed, sealed, and stored upright when not in use. Use appropriate containment to avoid environmental contamination. Empty containers may contain harmful, flammable/combustible or explosive residue or vapors. Do not cut, grind, drill, weld, reuse or dispose of containers unless adequate precautions are taken against these hazards.
- Storage temperature:** Minimum 0 °C, Maximum 40 °C. Stable under recommended storage conditions.
- 7.3 Specific uses:** Lubricating grease. Refer to technical data sheet available on request.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Occupational exposure limit values:

Ingredient Name	ACGIH TLV TWA (8 hrs)	ACGIH TLV STEL	OSHA PEL TWA	EH40 (UK) TWA	NIOSH REL TWA
White mineral oil, food grade	5 mg/m ³ (Inhalable Fraction)				

Recommended monitoring procedures: This product contains ingredients with exposure limits. Personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.

Derived no-effect levels: Long-term systemic effects include non-reproductive effects and developmental / reproductive effects.

Ingredient Name	Exposure	Value	Population	Type	Effects
White mineral oil, food grade	Long term dermal	220 mg/kg bw/day	Workers	DNEL	Systemic
	Long term dermal	92 mg/kg bw/day	General Population	DNEL	Systemic
	Long term	160 mg/m ³	Workers	DNEL	Systemic
	Long term	35 mg/m ³	General Population	DNEL	Systemic
	Long term oral	40 mg/kg bw/day	General Population	DNEL	Systemic

Long-term systemic effects include non-reproductive effects and developmental / reproductive effects. Lowest DNEL is shown.

8.2 Environmental exposure controls:

Should not be released into the environment. Do not contaminate water, or flush into surface water or sanitary sewer system. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment may be necessary to reduce emissions to acceptable levels. Refer to section 6 and 12. Engineering Controls:

No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

8.3 Personal protection measures:

Hygiene measures: Avoid contact with skin, eyes, and clothing. Provide adequate ventilation. Do not breathe dust or spray mist. Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Hand protection: Recommended: Neoprene or nitrile gloves. Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Eye/face protection: Recommended: Safety glasses with side shields. Wear general eye protection. Do not rub eyes or face with product on hands.

Skin protection: Recommended: Lab Coat Avoid prolonged or repeated contact with skin. Wear impervious protective clothing if prolonged or repeated contact is likely. Safety shower and eyewash should be readily available.

Respiratory protection: Use with adequate ventilation. If ventilation is inadequate, use respirator that will protect against organic vapor and mist. Breathing apparatus needed only when aerosol or mist is formed. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.

8.4 Additional information :

These precautions are for room temperature handling. Use at elevated temperature or in aerosol/spray applications may require added precautions.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Semi-solid	Color:	
Translucent		Odor:	Mild
Odor Threshold:		Not determined	Vapor pressure:
Not determined	pH:	Not determined	Boiling point/range:
Not applicable	Melting point/range:	None	
Specific gravity:		0.83	
Vapor density:		Not available	
Evaporation rate:		Not available	
Solubility in water:		Not soluble	Partition coefficient (n-octano/water):
Not determined	VOC content:	Essentially zero	
Flash Point:		>428° F (220° C)	COC
Auto ignition temperature:		Not available	
Flammable/Explosive limits-lower %:	N/A		

10. STABILITY AND REACTIVITY

- 10.1 Reactivity :** No dangerous reactions known under conditions of normal use.
- 10.2 Stability :** The product is stable.
- 10.3 Possibility of hazardous reactions :** Under normal conditions, hazardous polymerization or decomposition will not occur.
- 10.4 Conditions to avoid :** Temperatures > 300°C, sparks, open flames, heat, and direct sunlight, freezing conditions.
- 10.5 Materials to avoid :** Strong acids, bases, oxidizing and reducing agents; isocyanates; hot alkali metals.
- 10.6 Hazardous decomposition products :** Carbon & sulfur oxides, other carbon compounds, silica, acid fluorides (HF, COF₂).

11. TOXICOLOGICAL INFORMATION

Product toxicity data: Not Toxic

Toxicologically synergistic products: Not available

Refer to the following for irritancy of Product, Sensitization to Product, Carcinogenicity, Reproductive Toxicity, Teratogenicity, and Mutagenicity.

Ingredient Toxicity Data & Carcinogen Status

Components	LD50s & LC50s	Other LD50s and LC50s	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen	ACGIH-Carcinogen
Polyalphaolefin	None	None	No	No	No	No
MineralOil(petroleum) 8042-47-5	OralLD50(Rat) >5000mg/kg	None	No	No	No	No

Polyether polyol 25322-69-4	Oral LD50 (Rats) >10,000 mg/kg Dermal LD50(Rabbit) >10,000 mg/kg	None	No	No	No	No
Fumed Silica 68611-44-9	Oral LD50 (Rat) >5000 mg/kg	None	No	No	No	No
Polytetrafluoroethylene 9002-84-0	Not determined	None	No	No	No	No

Literature Referenced Target Organ & Other Health Effects

Components	Health Effects/Target Organs
Polyalphaolefin	No target organs
White mineral oil (petroleum) 8042-47-5	Irritant
Polyether Polyol 025322-69-4	No target organs
Amorphous Fumed Silica 68611-44-6	Nuisance dust, irritant to eyes and skin
Polytetrafluoroethylene 9002-84-0	Irritant

12. ECOLOGICAL INFORMATION

Ecological information: General Notes: Water hazard class 1 (self assessment): slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground or sewage systems.

13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal: Dispose of in accordance with federal and local regulations.

14. TRANSPORT INFORMATION

Transportation of Dangerous Goods – Ground:

Proper shipping name: Not regulated
Hazardous class or division: None
Identification number: None
Packing group: None

International Air Transportation (ICAO/IATA):

Proper shipping name: Not regulated
Hazardous class or division: None
Identification number: None
Packing group: None

Water Transportation (IMO/IMDG):

Proper shipping name: Not regulated
Hazardous class or division: None
Identification number: None
Packing group: None
Marine pollutant: None

United States Regulatory Information

TSCA 8 (b) Inventory Status: All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.

New Zealand Regulatory Information

New Zealand HSNO Status: All components are listed or are exempt from listing on the Hazardous Substances and New Organisms Act.

European Union Regulatory Information

Regulation No. 1907/2006 (REACH): Components are Pre-registered and in compliance.

15. REGULATORY INFORMATION

Canada Regulatory Information

CEPA DSL/NDSL Status: All components are listed on or are exempt from listing on the Domestic Substances List.

SECTION 16: OTHER INFORMATION

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Product Regulations. Data prepared by Environment protection department.