

DUMONDE PRO X FREEHUB GREASE

Approval Date 10/21/2014

Supersedes Date NONE

Material Safety Data Sheet

Section I. Chemical Product and Company Identification

Product Name/ Trade Name	Dumonde PRO X Freehub Grease	Product ID No.	PX6001-6006
Supplier	Dumonde Design Group Inc. P.O. BOX 3262 KIRKLAND, WASHINGTON 98083-3262	Emergency Contact	For Chemical Emergency, Spill, Leak, Fire, Exposure or Accident, Call NORTH AMERICA 206-755-1757
Synonym(s)	None		
Chemical Name	Lubricating grease	Non-Emergency Contact USA: HGNR	206-755-1757 888-609-4467
Chemical Family	Hydrocarbon		
Chemical Formula	Mixture		
Material Uses	Lubricant		

Section II. Composition and Information on Ingredients

Name	PEL/TLV, Source	CAS #	% by Weight
PROPRIETARY FORMULA.			
Zinc oxide	5 mg/m ³ (fumes), OSHA	1314-13-2	<2.5

LC₅₀, LD₅₀ of Ingredients Not available

Section III. Hazards Identification

Emergency Overview	Potential health risks vary from person to person. As a precaution, exposure to liquids, vapors, mists or fumes should be minimized.
Potential Health Effects:	
Eye Contact	May cause slight irritation and redness.
Skin Contact	Prolonged or repeated skin contact may cause mild irritation.
Ingestion	While this product has a low degree of toxicity, ingestion may cause irritation of the digestive tract.
Inhalation	Not expected to present an inhalation exposure risk at ambient temperatures. If vapors or mists are created upon heating or by mechanical means, vapors or mists may be produced which may cause irritation of the breathing passages. Aspiration may cause pulmonary edema or aspiration pneumonia.

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*****END OF MSDS*****

Section III. Hazards Identification (cont'd)

HMIS Code	Health: 1	Fire: 1	Physical Hazard: 0	HAZARD RATINGS	
				0 Minimal Hazard	3 Serious Hazard
				1 Slight Hazard	4 Severe Hazard
				2 Moderate Hazard	

Section IV. First Aid Measures

Eye Contact	Remove contact lenses, if wearing, and flush eyes with water. If irritation persists, consult a physician.
Skin Contact	Remove clothing and shoes, if contaminated. Wash skin with soap and water. Wash or clean contaminated clothing before reuse and discard oil-soaked shoes. If irritation persists, consult a physician. If high pressure forces the product under the skin, get immediate medical attention!
Ingestion	If swallowed, DO NOT induce vomiting. As a precaution, give the person a glass of water to drink and seek medical attention. Never give anything by mouth to an unconscious person. Consult a physician.
Inhalation	If exposed to excessive levels of material in the air, move the exposed person to fresh air. Seek medical attention if coughing or respiratory discomfort occurs.

Section V. Fire and Explosion Data

Autoignition Temperature	Not available	Sensitivity to Impact	Not available
Flash Point	350°F (177°C), ASTM D 92	Sensitivity to Static Discharge	Not available
Flammable Limits (Approx.)	LOWER Flammable Limit: Not available	UPPER Flammable Limit:	Not available
Explosion Hazards	See Lower and Upper Flammable Limits		
Products of Combustion	Carbon monoxide, carbon dioxide, oxides of nitrogen, smoke and irritating vapors as products of incomplete combustion.		
Fire Fighting Media and Instructions	Dry chemical, alcohol foam, and carbon dioxide type extinguishing agents may all be suitable for extinguishing fires involving this type of product, depending on the size or potential size of fire and circumstances related to the situation. Plan fire protection and response strategy through consultation with local fire protection authorities or appropriate specialists. The following procedures for this type of product are based on the recommendations in the National Fire Protection Association's Fire Protection Guide on Hazardous Materials. Use water to keep fire-exposed containers cool. If a leak or spill has not ignited, use water spray to disperse the vapors and to provide protection for men attempting to stop a leak. Water spray may be used to flush spills away from explosives. Firefighters should wear full protective gear, including helmet. Use supplied-air breathing equipment for enclosed or confined spaces or as otherwise needed.		
Special Remarks - Fire and Explosion Hazards	For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus. Leaks/ruptures in high-pressure systems using materials of this type can create a fire hazard when in the vicinity of ignition sources (open flame, pilot lights, sparks or electric arcs).		

Section VI. Accidental Release Measures

Release or Spill	Remove sources of ignition. Recover free product. Add sand, earth, or other suitable absorbent material to the spill area. Minimize breathing vapors. Minimize skin contact. Open all windows and doors. Keep product out of sewers and watercourses by diking or impounding. Advise authorities if the product has entered or may enter sewers, watercourses, or extensive land areas.
Environmental Impact	Report spills as required to the appropriate authorities. U.S. Coast Guard Regulations require immediate reporting of spills that could reach any waterway including intermittent dry creeks. Report spill to the Coast Guard toll-free number 800-424-8802.

Section VII. Handling and Storage

Handling	Container is not designed to contain pressure. Do not use pressure to empty container or it may rupture with explosive force. "Empty" containers retain product residue and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition as they may explode and can cause injury or death. Empty container should be promptly returned to a drum reconditioner. Electrically bond and ground all containers and equipment.
Storage	Do not use in high-pressure systems in the vicinity of flames, sparks, and hot surfaces. Keep container closed. Store in a cool, dry place. Do not store near heat, sparks, open flame, pilot lights, static electricity, or where temperature may exceed 120°F (49°C). Keep out of reach of children.

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Section VIII. Exposure Controls and Personal Protection

Respiratory Protection	Use respiratory protection if needed to keep airborne levels below recommended oil mist exposure limits.
Ventilation	Use in a well-ventilated area. See Engineering Controls.
Protective Gloves	Wear lined non-permeable rubber gloves.
Eye Protection	Chemical splash goggles or face shield in compliance with OSHA regulations are advised when eye contact may occur.
Personal Hygiene	Wash skin thoroughly after contact, before breaks and meals and at end of work period. Product is readily removed from skin by waterless hand cleaners followed by washing thoroughly with soap and water.
Engineering Controls	If user operations generate an oil mist, use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below the recommended oil mist exposure limits.
Exposure Limit	5 mg/m ³ (oil mist) OSHA, for total product; see Section II for component exposure limit(s).

Section IX. Physical and Chemical Properties

Appearance/Odor	Cream-colored semi-solid with mild petroleum odor	Vapor Pressure	0.00 mm Hg @ 20°C
Odor Threshold	Not available	Vapor Density	Not available
Specific Gravity	Not available	Percent Volatile	0
Density	0.95 - 1.05 g/cm ³ @ 20°C	Evaporation Rate	Not available
Molecular Weight	Not available	Viscosity	Not available
pH	Not available	Solubility in Water	Negligible
Boiling Point	Not available	Coefficient of Water/Oil Distribution	Not available
Freezing/Melting Point	Not available	Physical State	Semi-solid

Section X. Stability and Reactivity Data

Stability	Stable under normal temperatures and pressures.
Conditions of Instability	Not available
Conditions of Reactivity	Not available
Conditions and Materials to Avoid	Avoid heat, open flames, strong acids, strong bases, and oxidizing materials.
Hazardous Polymerization	Hazardous polymerization will not occur.
Hazardous Decomposition Products	Carbon monoxide, carbon dioxide, oxides of nitrogen, smoke and irritating vapors as products of incomplete combustion.

Section XI. Toxicological Information

Routes of Entry	Dermal contact, eye contact, inhalation, ingestion.
Toxicity to Animals	Not available
Effects of Acute Exposure	Not available
Acute Effects of Sensitization	Not available
Ingestion	Not available
Inhalation	Not available
Toxically Synergistic Products	Not available
Chronic Effects on Humans:	
Carcinogenic Effects	This product does not contain a carcinogen or potential carcinogen as listed by NTP, IARC, or OSHA [29 CFR 1910.1200(D)#4].
Mutagenic Effects	No data available to indicate any components present at greater than 0.1% may present a mutagenic hazard.

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Section XI. Toxicological Information (cont'd)

Teratogenic Effects	No data available to indicate any components present at greater than 0.1% may present a teratogenic hazard.
Reproductive Effects	No data available to indicate any components present at greater than 0.1% may present a reproductive hazard.

Section XII. Ecological Information

Ecotoxicity	There is no data available on the adverse effects of this material on the environment.
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Section XIII. Disposal Considerations

Waste Disposal	Consult federal, state or local authorities for proper disposal and reporting procedures. All disposals must comply with federal, state and local regulations.
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Section XIV. Transportation Information

U.S. D.O.T.

Shipping Name:	None	UN Number:	None
Hazard Class:	None	Packing Group:	None
Remarks:	Not regulated for land transport.		

Section XV. Regulatory Information**U.S. Federal Regulations:**

CERCLA	Release of the following chemical(s) at quantities equal to or greater than the reportable quantities (RQ), is regulated by 40 CFR 302.4 : None
SARA (Section 313)	This product contains the following chemical(s) listed in Section 313 at or above the de minimis concentrations: Zinc oxide, CAS # 1314-13-2, present at <2.5%
SARA Extremely Hazardous List	This product contains greater than 1.0% of the following chemical(s) on the SARA Extremely Hazardous Substances List: None
TSCA Inventory	All components of this material are on the U.S. TSCA Inventory.
California Prop. 65	This product contains the following chemical(s) known to the State of California to cause birth defects or other reproductive harm: None

International Regulations:

Canada	All components are in compliance with the Canadian Environmental Protection Act. This product has been classified in accordance with the hazard criteria of the CPR and this MSDS contains all the information required by CPR.
Japan MITI	Not available
Australia	Not available
Switzerland	Not available

Section XVI. Other Information

Approval Date	09/01/2014
Supersedes Date	NONE
Prepared by	Dumonde Design Group Inc. 206-755-1757
Sections Revised Since Last Version	Sections II & XV

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