



JAX INC.

Approval Date 2/23/2010

Supersedes Date 2/22/2010

Material Safety Data Sheet

Section I. Chemical Product and Company Identification

Product Name/ Trade Name	JAX PYRO-PLATE TFS	Product ID No.	PPTFS3
Supplier	JAX INC. W134 N5373 CAMPBELL DRIVE MENOMONEE FALLS, WI 53051 USA	Emergency Contact For Chemical Emergency, Spill, Leak, Fire, Exposure or Accident, Call CHEMTREC: NORTH AMERICA 800-424-9300 INTERNATIONAL +01-703-527-3887 Collect	
Synonym(s)	None		
Chemical Name	Lubricating grease		
Chemical Family	Hydrocarbon	Non-Emergency Contact	JAX: 262-781-8850 JAX/FAX: 262-781-3906
Chemical Formula	Mixture		
Material Uses	Lubricant		

Section II. Composition and Information on Ingredients

Name	PEL/TLV, Source	CAS #	% by Weight
PROPRIETARY FORMULA.			
Silica, amorphous, fumed*	10 mg/m ³ (respirable dust), ACGIH TLV	112945-52-5	> 1
*WHMIS reportable ingredient			
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. Heating above 302°F (150°C) in the presence of air may form formaldehyde vapors.
Potential Health Effects:	
Eye Contact	May cause slight irritation and redness.
Skin Contact	May cause slight irritation.
Ingestion	Ingestion may cause irritation of the digestive tract. Aspiration into lungs can cause pneumonitis, which can be fatal.
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. Heating above 302°F (150°C) in the presence of air may form formaldehyde vapors.

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Section III. Hazards Identification (cont'd)

HMIS Code	Health: 1	Fire: 1	Physical Hazard: 0	HAZARD RATINGS:	0 Minimal Hazard 1 Slight Hazard 2 Moderate Hazard	3 Serious Hazard 4 Severe Hazard
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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.
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. If breathing is difficult, give oxygen; seek medical attention if respiratory difficulties continue. If not breathing, give artificial respiration and seek medical attention immediately.

Section V. Fire and Explosion Data

Autoignition Temperature	Not available	Sensitivity to Impact	Not available
Flash Point	482°F (250°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 oxides, silicone dioxide, formaldehyde and hydrogen fluoride.		
Firefighting Media and Instructions	Water fog, carbon dioxide, dry chemical, foam, earth or sand are 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. Do not use water as an extinguishing medium, as it may cause frothing. Plan fire protection and response strategy through consultation with local fire protection authorities or appropriate specialists. Use water to keep fire-exposed containers cool. 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	WARNING: Heating above 302°F (150°C) in the presence of air may form formaldehyde vapors. Pressure build-up due to heat exposure may cause containers to rupture. Use water spray to keep containers cool. If a leak or spill has not ignited, use water spray to disperse the vapors and to provide protection for the firefighters. 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	Recover free product using non-sparking tools and equipment. 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, watercourse, 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	Keep away from heat, sparks, open flame or where temperature may exceed 49°C (120°F). Do not throw empty container into fire or trash compactor. 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, or grind such containers as they may explode and can cause injury or death. Use only with adequate ventilation. Do not breathe vapor or mist. Do not take internally. Do not get in eyes, on skin or on clothing. Wash thoroughly after handling. Do not transfer to nor store in an unmarked container. Read label and MSDS before using. Do not smoke when handling or using this product. Do not use in high-pressure systems in the vicinity of flames, sparks and hot surfaces. Empty container should be promptly returned to a drum reconditioner. For industrial use only.
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Section VII. Handling and Storage (cont'd)

Storage	Store in a cool, dry place. Do not store near heat, sparks, open flame, pilot lights, static electricity or other sources of ignition, or where temperature may exceed 120°F (49°C). Do not store near combustibles. Keep container closed. 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 gloves made of butyl rubber, polyvinyl alcohol, natural rubber or polyethylene.
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 the end of work period. Product is readily removed from skin by waterless hand cleaners followed by washing thoroughly with soap and water.
Engineering Controls	Good general ventilation should be sufficient to control vapors under ambient conditions. Additional ventilation or exhaust may be required to maintain air concentrations below recommended 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	White semi-solid with bland odor	Vapor Pressure	Not available
Odor Threshold	Not available	Vapor Density	Not available
Specific Gravity	1.26 @ 16°C, typical	Percent Volatile	0
Density	10.5 lbs./US gallon, typical	Evaporation Rate	Not available
Molecular Weight	Not available	Viscosity	Not available
pH	Not available	Solubility in Water	Nil
Boiling Point	>392°F (200°C)	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 Reactivity	Not available
Conditions of Instability	Not available		
Conditions and Materials to Avoid	Avoid heat, sparks, open flames and other sources of ignition. Avoid contact with strong oxidizers. Heating above 302°F (150°C) in the presence of air may form formaldehyde vapors.		
Hazardous Polymerization	Hazardous polymerization will not occur.		
Hazardous Decomposition Products	Carbon oxides, silicone dioxide, formaldehyde and hydrogen fluoride.		

Section XI. Toxicological Information

Routes of Entry	Dermal contact, eye contact, inhalation, ingestion.	Ingestion	Not available
Toxicity to Animals	Not available	Inhalation	Not available
Effects of Acute Exposure	Not available	Toxically Synergistic Products	Not available
Acute Effects of Sensitization	Not available		
Chronic Effects on Humans:			
Carcinogenic Effects	This product does not contain a carcinogen or potential carcinogen as listed by 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:	Not regulated
UN Number:	None
Hazard Class:	None
Packing Group:	None
Remarks	None

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: None
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	2/23/2010
Supersedes Date	2/22/2010
Prepared by	Technical Services 262-781-8850
Sections Revised Since Last Version	None

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