



SAFETY DATA SHEET

Skai Metal Polish

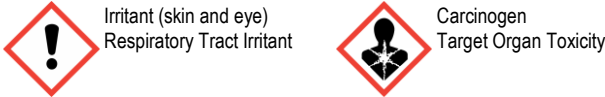
Revision Date 4/11/2017

SECTION - 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name Skai Metal Polish **Item** SMP
Product Use Aircraft Metal Polish and Restorer
Company Name Jet Stream Aviation Products **Office** (972) 542-2400
 1971 University Business Dr. Suite 102 **Fax** (972) 542-0238
 McKinney Tx 75071 **Web** www.jetstreamproducts.com
EMERGENCY TELEPHONE NUMBER **INFOTRAC** **(800) 535-5053**

SECTION - 2 HAZARDS INFORMATION

Physical Hazards FLAMMABLE LIQUIDS-Category 4
Health Hazards EYES-Category 2A; SKIN-Category 2; STOT SINGLE EXPOSURE-Category 3; STOT REPEAT EXPOSURE-Category 1; CARCINOGENS-Category 1A
Environmental ACUTE-Aquatic Toxicity-Category 2; CHRONIC-Aquatic Toxicity-Category 2



Danger Combustible liquid
 Causes serious eye irritation, Causes skin irritation, Causes damage to organs, (Lungs), by inhalation of dust, through prolonged or repeated exposure, May cause respiratory irritation, May cause cancer, by inhalation of dust
 Do not handle until all safety precautions have been read and understood, Keep away from flames and hot surfaces, No smoking, Keep container tightly closed, May be harmful if swallowed, Do not get in eyes, on skin, or clothing, and avoid inhalation of dust, Do not smoke, eat or drink while using, Use only outdoors or in a well-ventilated area, Wear safety glasses, goggles, or face shield, rubber gloves, and dust mask, Wash thoroughly with soap and water after handling, Avoid release into the environment, Keep out of reach of children

SECTION - 3 COMPOSITION INFORMATION (Exact percentage of the listed chemicals of composition has been withheld as a trade secret)

CHEMICAL NAME	COMMON NAME AND SYNONYMS	CAS #	IMPURITIES	PERCENT
Odorless Mineral Spirits	Isoalkanes C10-C13, Hydrocarbon Solvent	68551-17-7		10 - 15%
Crystalline Silica	Silicon Dioxide, Quartz	14808-60-7		40 - 50%

SECTION - 4 FIRST AID MEASURES

EYE CONTACT Immediately flush eyes with cold water for at least 15 minutes while lifting upper and lower eyelids, Remove contact lenses if present and easy to do without injury to the eye and continue rinsing, If irritation persists seek medical aid
SKIN CONTACT Wash with soap and water, Remove any contaminated clothing and wash before reuse, If irritation occurs or persists seek medical aid
INHALATION Move person to fresh air, if they have problem breathing, show signs of overexposure or feel unwell obtain medical attention
INGESTION DO NOT INDUCE VOMITING, If person is fully conscious, rinse mouth with water, and drink one to two glasses of water to dilute, Call a physician, or poison control center, and obtain immediate medical attention

Aspiration Hazard Not considered to be an aspiration hazard due to product viscosity. If swallowed, vomiting may occur spontaneously, but DO NOT INDUCE. If vomiting occurs, keep head below hips to prevent aspiration into the lungs

ACUTE SYMPTOMS OF SINGLE OVEREXPOSURE

Eyes Can cause serious eye irritation
Skin Can cause skin irritation
Inhalation Dust may cause irritation, to respiratory tract
Ingestion May be harmful if swallowed

CHRONIC SYMPTOMS OF PROLONGED OR REPEATED OVEREXPOSURE

Eyes Causes serious eye irritation, redness, tearing, burning, or pain
Skin Causes skin irritation, defatting of the skin which may lead to dermatitis
Inhalation Dust may cause irritation, to throat, mucus membranes or respiratory tract, Can affect target organs, lungs, by inhalation of dust
Ingestion May be harmful if swallowed, May affect target organs, liver, kidneys, Symptoms may include, dizziness, drowsiness, vomiting, abdominal pain, nausea or diarrhea

SECTION – 5 FIRE FIGHTING MEASURES

Extinguishing Media	Use DRY chemicals, CO2, alcohol foam. Water spray to cool or protect exposed materials
Hazardous Decomposition	Burning or thermal decomposition can produce, sulfur oxides, carbon monoxide, carbon dioxide, nitrogen oxides, unburned hydrocarbons, and other toxic fumes
Reactive With	Reactive with, strong oxidizing agents, strong bases, strong acids
Explosion Hazards	Containers may erupt when heated excessively during a fire
Static Discharge	Not expected to ignite product
Mechanical Impact	Not applicable
Protective Equipment	Use MSHA/NIOSH approved self-contained breathing apparatus and full protective gear

FLAMMABLE LIQUIDS HAZARD CLASSIFICATION

Criteria Flash point > 60°C (140°F) and ≤ 93°C (200°F)

NFPA Class III A

GHS Category 4

WHMIS Class B-3

NFPA HAZARD RATINGS

Health 1

Flammability 1

Reactivity 0

Special Hazards

**SECTION – 6 ACCIDENTAL RELEASE MEASURES**

Emergency Procedures	Warn personnel of spill
Personal Precautions	Wear Personal Protective Equipment, Do not walk through spill
Protective Equipment	Safety Glasses, Gloves
Containment	Prevent spill from spreading or entering the environment, Prevent spill from entering sewers and public waters
Clean Up Procedures	Recover as much as possible and absorb remainder with inert material, Place into labeled containers and store in safe locations for proper disposal
Disposal	Dispose of material in accordance with all State and Federal Guidelines and Regulations

SECTION – 7 HANDLING AND STORAGE

Handling	Keep away from incompatible materials, sparks, open flames or hot surfaces, Use appropriate safety equipment, and adequate ventilation, Avoid eye and skin contact, Avoid inhalation of dust, Do not smoke, eat or drink while using, Wash thoroughly with soap and water after handling, Avoid release to the environment, Do not handle until all safety precautions have been read and understood
Storage	KEEP OUT OF REACH OF CHILDREN, Keep container closed when not in use, Keep only in original container, Store in a cool, well-ventilated area and away from incompatible materials, Store away from heat, sparks, open flames or hot surfaces, Avoid storing in direct sunlight, Store below 49°C (120°F) and in accordance with Class III A Combustible Liquids (GHS Category 4)
Incompatible Materials	Incompatible with, strong oxidizing agents, strong bases

SECTION – 8 EXPOSURE CONTROLS / PERSONAL PROTECTION**EXPOSURE LIMITS**

CHEMICAL NAME	ACGIH (TWA 8)	ACGIH (STEL)	OSHA PEL (TWA 8)	OSHA (CEIL)	Significant Exposure
Crystalline Silica	0.025 mg/m ³		0.1 mg/m ³		Inhaled Dust
Mineral Seal Oil	5 mg/m ³	10 mg/m ³	5 mg/m ³		
Odorless Mineral Spirits	None Established				

PERSONAL PROTECTIVE EQUIPMENTChemical Safety Glasses,
Goggles or Face ShieldImpervious
Chemical Gloves

Dust Mask

Protective Clothing
(If Situation Requires)Eye Wash
(Recommended)**Ventilation**

Ventilate to keep dusts of this material below the lowest ppm listed above. If over Threshold Limit Value use a MSHA / NIOSH approved High-efficiency particulate respirator with full facepiece

The safety equipment information supplied is for general use and may not insure complete safety for the user. Circumstances may require additional or more specific safety equipment

"Consulting with a Safety Equipment Supplier is recommended"

HMIS HAZARD RATINGS

Health	1
Flammability	1
Reactivity	0
Personal Protection	E

SECTION – 9 PHYSICAL AND CHEMICAL PROPERTIES

Flash Point	60.6°C (141.0°F) - Closed Cup	Specific Gravity / Density	1.653
Flammable Limits	ND	pH (± 0.3)	NA
Auto-Ignition Temp.	ND	Viscosity	ND
Physical State	Solid Paste	Freeze Point	ND
Appearance	Opaque Tan	Boiling Point	ND
Odor	Solvent	Vapor Density (air=1)	ND
Odor Threshold	ND	Vapor Pressure (mmHg)	ND
Solubility	< 1%	Evaporation Rate (nBuAc=1)	ND
Volatiles	< 40%	Partition Coefficient	ND
VOC	< 16%	Molecular Weight (g/mol)	~ 144.73
LVP-VOC	< 21%	Decomposition Temperature	ND

SECTION – 10 STABILITY AND REACTIVITY

Reactivity (Specific Test Data)	None available
Chemical Stability	Stable under normal ambient and anticipated conditions of use
Hazardous Polymerization	Will not occur
Conditions To Avoid	Heat sources, sparks, open flame or incompatible materials
Incompatible Materials	Incompatible with, strong oxidizing agents, strong bases, strong acids
Thermal Decomposition	Burning or thermal decomposition can produce, sulfur oxides, carbon monoxide, carbon dioxide, nitrogen oxides, unburned hydrocarbons, and other toxic fumes

SECTION – 11 TOXICOLOGICAL INFORMATION**ROUTES OF EXPOSURE**

Eyes (Yes), Skin (Yes), Ingestion (Yes), Inhalation (Yes "Dust")

ACUTE SYMPTOMS OF SINGLE OVEREXPOSURE

Eyes	Can cause serious eye irritation
Skin	Can cause skin irritation
Inhalation	Dust may cause irritation, to respiratory tract
Ingestion	May be harmful if swallowed

CHRONIC SYMPTOMS OF PROLONGED OR REPEATED OVEREXPOSURE

Eyes	Causes serious eye irritation, redness, tearing, burning, or pain
Skin	Causes skin irritation, defatting of the skin which may lead to dermatitis
Inhalation	Dust may cause irritation, to throat, mucus membranes or respiratory tract, Can affect target organs, lungs, by inhalation of dust
Ingestion	May be harmful if swallowed, May affect target organs, liver, kidneys, Symptoms may include, dizziness, drowsiness, vomiting, abdominal pain, nausea or diarrhea

Acute Tox Calculated	Oral: 7,056 mg/kg	Dermal: 6,051 mg/kg	Inhaled: 171.5 mg/L
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Acute Tox Category	Not applicable (Oral >2,000 mg/kg), Not applicable (Dermal >2,000 mg/kg), Not applicable (Inhaled >50 mg/L) Vapors
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Additional Info	There may be no immediate signs or symptoms of exposure to hazardous concentrations of respirable crystalline silica. Always wear personal safety equipment when using, especially proper respiration protection
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Target Organs	Kidneys, Liver, Mucous Membranes, Respiratory Tract, Lungs, Skin, Eyes
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Medical Conditions	Preexisting, eye, skin, liver, kidney, respiratory, lung, disorders may be aggravated by exposure to this product
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Notes to Physician	Contains petroleum distillates, vomiting may cause aspiration pneumonia
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CARCINOGENIC – This product contains concentrations above 0.1% of the following:

<u>CHEMICAL NAME</u>	<u>NTP</u>	<u>ACGIH</u>	<u>IARC</u>	<u>GHS Category</u>
Crystalline Silica	1 (Known to be)	A2 (Suspected for human)	1 (Proven for human)	1A (Known human)

MUTAGENIC AND REPRODUCTIVE EFFECTS – This product contains concentrations above 0.1% of the following:

<u>CHEMICAL NAME</u>	<u>Germ Cell Mutagenicity</u>	<u>Toxic to Reproduction</u>
None Listed	NA	NA

COMPONENTS ACUTE TOXICITY

<u>CHEMICAL NAME</u>	<u>Type</u>	<u>Form</u>	<u>Subject</u>	<u>Result Value</u>	<u>Exposure Time</u>	<u>GHS Category</u>
Odorless Mineral Spirits	LD50	Oral	Rat	> 5,000 mg/kg		(>2000 mg/kg)
	LC50	Inhaled	Rat	> 20 mg/L	4 Hours (Vapor)	(>20 mg/L)
	LD50	Dermal	Rabbit	> 5,000 mg/kg		(>2000 mg/kg)
Mineral Seal Oil	LD50	Oral	Rat	>5,000 mg/kg		(>2000 mg/kg)
	LD50	Dermal	Rabbit	>2,000 mg/kg		(>2000 mg/kg)
Crystalline Silica			No Data Available			

SECTION – 12 ECOLOGICAL INFORMATION

<u>CHEMICAL NAME</u>	<u>Type</u>	<u>Subject</u>	<u>Subject Latin</u>	<u>Result Value</u>	<u>Exposure Time</u>	<u>GHS Category</u>
Odorless Mineral Spirits	LD50	Rainbow Trout	(Oncorhynchus mykiss)	> 1,000 mg/L	96 Hours	4 (>100 mg/L)
	EC50	Water Flea	(Daphnia magna)	> 1,000 mg/L	48 Hours	4 (>100 mg/L)
Mineral Seal Oil	LD50	Water Flea	(Daphnia magna)	2 mg/L	48 Hours	2 (>1, ≤10 mg/L)
	LD50	Bluegill	(Lepomis macrochirus)	10 ppm	48 Hours	3 (>10, ≤100 mg/L)
Crystalline Silica	LD50	Carp	(Cyprinus Carpio Linnaeus)	>10,000 mg/L	72 Hours	4 (>100 mg/L)

Persistence And Degradability	When released into the soil, this material is not expected to biodegrade
Bioaccumulative Potential	There is no evidence to suggest bioaccumulation will occur
Mobility In Soil	This material is a partially mobile liquid
Other Adverse Effects	Toxic to aquatic life with long lasting effects

SECTION – 13 DISPOSAL CONSIDERATIONS

DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER
Dispose of any waste in accordance with all State and Federal Guidelines and Regulations

ENVIRONMENTAL FATE


Under RCRA rules, it is the responsibility of the user of the product to determine, at the time of disposal, whether the material is a hazardous waste

Chemical additions, processing or otherwise altering this material may make the waste management information presented in this SDS incomplete, inaccurate, or otherwise inappropriate

SECTION – 14 TRANSPORT INFORMATION**DOT CLASSIFICATION**

<u>UN Number</u>	<u>Proper Shipping Name</u> n.o.s. (Chemicals) or "Limits"						
Not Regulated	Non Regulated Material						
<u>Hazard Class</u>	<u>Packing Group</u>	<u>Label Codes</u>	<u>Reportable Quantity (lbs)</u>	<u>Response</u>	<u>Marine Pollutant</u>	<u>Hazard Label</u>	<u>Secondary</u>
None	PG III	None	None	128	No		
Additional Info: Classified as a combustible liquid as per 49 CFR 173.120(b) for DOT (Flash Point: >140°F and < 200°F)							

IATA CLASSIFICATION

<u>UN Number</u>	<u>UN Proper Shipping Name</u> n.o.s. (Chemicals) or "Limits"						
UN 1993	Flammable Liquid, n.o.s. (Petroleum Distillates)						
<u>Class</u>	<u>Packing Group</u>	<u>Enviro Hazard</u>	<u>ERG</u>	<u>Special Provisions</u>	<u>Labels Required</u>	<u>Subsidiary Risk</u>	<u>Hazard Label</u>
3	III	No	3L		Flammable Liquid	-	

Special precautions / marking:

SECTION – 15 REGULATORY INFORMATION**TSCA**

CHEMICAL NAME	Sec 8(b) Inventory	Sec 8(d) Health And Safety	Sec 4(a) Chemical Test Rules	Sec 12(b) Export Notification
Crystalline Silica	Yes			
Mineral Seal Oil	Yes			
Odorless Mineral Spirits	Yes			

REPORTABLE QUANTITIES

CHEMICAL NAME	Extremely Hazardous EPCRA TPQ Sec 302	Reportable Quantity EPCRA RQ Sec 304	Emission Reporting CERCLA RQ Sec 103	TRI Sec 313	RCRA Code	RMP TQ Sec 112r
None Listed						

SARA

CHEMICAL NAME	Section 311			Section 311 / 312 Hazards		
	Hazardous Chemical	Acute	Chronic	Flammable	Pressure	Reactive
Crystalline Silica	Yes		Yes			
Mineral Seal Oil		Yes				
Odorless Mineral Spirits	Yes			Yes		

RIGHT TO KNOW

CHEMICAL NAME	STATE												
	CA	CT	FL	IL	LA	NJ	NY	PA	MI	MN	MA	RI	WI
Crystalline Silica						Yes		Yes			Yes		
Mineral Seal Oil						(Oil)							
Odorless Mineral Spirits						Yes		Yes					

CALIFORNIA

CHEMICAL NAME	CAS #	WARNING! This product contains chemicals known to the state of California to cause:			
		Birth Defects	Reproductive Harm	Carcinogen	Developmental
Crystalline Silica	14808-60-7			Yes	

CLEAN AIR WATER ACTS

CHEMICAL NAME	CAS #	Clean Air Acts			Clean Water Acts		
		HAP	Ozone Class 1	Ozone Class 2	HS	PP	TP
Mineral Seal Oil	64742-46-7				(Oil)		
Odorless Mineral Spirits	68551-17-7				Yes (Oil)		

INTERNATIONAL REGULATIONS – The components of this product are listed on the chemical inventories of the following countries:

CHEMICAL NAME	Australia	Canada	Europe (EINECS)	Japan	Korea	UK
Crystalline Silica	Yes	Yes	Yes	Yes	Yes	Yes

WHMIS Classification

CHEMICAL NAME	DSL	Class	Description
Crystalline Silica	Yes	D-2A	Materials Causing Other Toxic Effects; Very Toxic Material

SECTION – 16 OTHER INFORMATION**SDS LEGEND DESCRIPTION**

~	Approximately	*	Additional Information
ACGIH	American Conference of Governmental Industrial Hygienists	LC50	A concentration that is lethal to 50% of a given species in a given time
CAS	Chemical Abstracts Service Registry	LD50	Dose that is lethal to 50% of a given species by a given route of exposure
CEIL	Ceiling Limit (15 minutes)	LEL	Lower Explosive Limit
CERCL	Comprehensive Environmental Response, Compensation, and Liability Act	LD	Liver Damage
CI	Cochlear Impairment	NA	Not Applicable
CNS	Central Nervous System	ND	Not Determined
EC50	Concentration of a chemical that gives half-maximal response	NE	Not Established
EPA	Environmental Protection Agency	NFPA	National Fire Protection Association
Eye	(EI = Irritation) (ED = Damage) (EV = Visual Impairment)	NIOSH	National Institute for Occupational Safety and Health
FBG	Full Bunker Gear	NTP	National Toxicology Program
GHS	Globally Harmonized System	OSHA	Occupational Safety and Health Administration
HAP	California Hazardous Air Pollutant Clean Air Act	PEL	Permissible Exposure Limit (OSHA)
HMIS-A	Safety glasses	PNS	Peripheral Nervous System
HMIS-B	Safety glasses, gloves	PP	California Priority Pollutant under the Clean Water Act
HMIS-C	Safety glasses, gloves, chemical apron	REL	Recommended exposure limit (NIOSH)
HMIS-D	Face shield, gloves, chemical apron	RT	Upper Respiratory Tract
HMIS-E	Safety glasses, gloves, dust respirator	Skin	(SI = Irritation) (SD = Damage) (SA = Absorption) (SS = Sensitizer)
HMIS-F	Safety glasses, gloves, chemical apron, dust respirator	SARA	Superfund Amendments and Reauthorization Act
HMIS-G	Safety glasses, gloves, vapor respirator	STEL	Short Term Exposure Limit (15 minutes)
HMIS-H	Splash goggles, gloves, chemical apron, vapor respirator	TC Lo	Lowest concentration that is toxic to a given species in a given time
HMIS-I	Safety glasses, gloves, dust and vapor respirator	TD Lo	Lowest dose that is toxic to a given species
HMIS-J	Splash goggles, gloves, chemical apron, dust and vapor respirator	TLV	Threshold Limit Value (ACGIH)
HMIS-K	Air line hood or mask, gloves, full chemical suit, boots	TP	California Toxic Pollutant under the Clean Water Act
HMIS-X	Ask Supervisor	TSCA	Toxic Substances Control Act
HS	California Hazardous Substance under the Clean Water Act	TWA	Time Weighted Average (8 hours)
KD	Kidney Damage (nephropathy)	UEL	Upper Explosive Limit

Jet Stream Aviation Products

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