

Silverdream Moonbeam

Version	Revision Date:	SDS Number:	Date of last issue: 12/10/2019
2.1	03/19/2024	102000025211	Date of first issue: 03/27/2019

SECTION 1. IDENTIFICATION

Product name Product code	:	Silverdream Moonbeam 022748QP0
Manufacturer or supplier's c	leta	ils
Company name of supplier	:	ECKART America Corporation
Address	:	830 East Erie Street
		Painesville OH 44077
Telephone	:	866-458-7837
		(440) 954-7600
Telefax		(440) 354-6224
e-mail adresse	:	info.eckart.america.oh@altana.com
Emergency telephone	:	CHEMTREC: 800-424-9300
		CHEMTREC: 1-703-527-3387 (International)
		NCEC:
		(contract no. ECKART29003-NCEC)
		US: +1 866 928 0789 (Toll free)
		Canada: +1 800 579 7421 (Toll Free)
		Mexico: +52 55 5004 8763

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)			
Flammable solids	:	Category 1	
Eye irritation	:	Category 2A	
Specific target organ toxicity - single exposure	:	Category 3 (Central nervous system)	
GHS label elements Hazard pictograms	:		
Signal Word	:	Danger	
Hazard Statements	:	H228 Flammable solid. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness.	



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Preca	autionary Statements	: P210 P240 P241 P261 P264 P271 P280	Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking. Ground/bond container and receiving equipment. Use explosion-proof electrical/ ventilating/ lighting/ equipment. Avoid breathing dust. Wash skin thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/ eye protection/ face protection.
		Response: P304 + P340 + P305 + P351 + P337 + P313 P370 + P378 P370 + P378 Storage: P403 + P233	 P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell. P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/ attention. In case of fire: Use for extinction: Special powder for metal fires. In case of fire: Use for extinction: Dry sand. Store in a well-ventilated place. Keep
		P405 Disposal: P501	container tightly closed. Store locked up. Dispose of contents/ container to an approved waste disposal plant.

Hazardous ingredients which must be listed on the label: 2-Propanol

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous ingredients

Chemical name	CAS-No.	Concentration (% w/w)
	0/45	



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2-Propanol	67-63-0	>= 50 - < 70		
Aluminum	7429-90-5	>= 30 - < 50		
Actual concentration is withheld as a trade accurat				

Actual concentration is withheld as a trade secret

SECTION 4. FIRST AID MEASURES

General advice	:	Take the victim into fresh air. Move out of dangerous area. Show this material safety data sheet to the doctor in attendance.
If inhaled	:	Consult a physician after significant exposure. If unconscious, place in recovery position and seek medical advice.
In case of skin contact	:	Wash off immediately with soap and plenty of water. If on skin, rinse well with water. If on clothes, remove clothes.
In case of eye contact	:	Immediately flush eye(s) with plenty of water. Remove contact lenses. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.
If swallowed	:	Keep respiratory tract clear. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.
Most important symptoms and effects, both acute and delayed	:	

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	:	Dry sand Special powder against metal fire
Unsuitable extinguishing media	:	Carbon dioxide (CO2) ABC powder Water Foam
Specific hazards during fire fighting	:	Contact with water liberates extremely flammable gas (hydrogen).
Further information	:	Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Special protective equipment for fire-fighters	:	Use personal protective equipment.
-		Wear self-contained breathing apparatus for firefighting if necessary.



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SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, : protective equipment and emergency procedures	Evacuate personnel to safe areas. Use personal protective equipment. Use personal protective equipment. Avoid dust formation. Remove all sources of ignition.
General advice :	The product should not be allowed to enter drains, water courses or the soil. Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.
Environmental precautions :	The product should not be allowed to enter drains, water courses or the soil.
	Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.
Methods and materials for : containment and cleaning up	Use mechanical handling equipment. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
	Do not flush with water. Keep in suitable, closed containers for disposal.

SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion	:	Earthing of containers and apparatuses is essential. Take measures to prevent the build up of electrostatic charge. Use explosion-proof equipment. Avoid dust formation.
		Keep away from open flames, hot surfaces and sources of ignition.
Advice on safe handling	:	Keep away from heat and sources of ignition. Avoid dust formation. Ensure adequate ventilation. Avoid formation of respirable particles. Do not breathe vapors/dust. Avoid exposure - obtain special instructions before use.



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			Smoking, eating a application area. Provide sufficient Dispose of rinse regulations.	ection see section 8. and drinking should be prohibited in the air exchange and/or exhaust in work rooms. water in accordance with local and national
Cond	Conditions for safe storage		Keep container cl Keep away from No smoking.	ontainer. ightly closed in a cool, well-ventilated place. osed when not in use. sources of ignition - No smoking. ghtly closed in a dry and well-ventilated
	nical sures/Precautions rials to avoid	:	Electrical installat the technological Protect from hum Do not allow to d	
match			Never allow prod storage. Keep away from	oxidizing agents, strongly alkaline and erials in order to avoid exothermic reactions.
	er information on ge stability	:	No decompositio	n if stored and applied as directed.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
2-Propanol	67-63-0	TWA	200 ppm	ACGIH
		STEL	400 ppm	ACGIH
		TWA	400 ppm 980 mg/m3	NIOSH REL
		ST	500 ppm 1,225 mg/m3	NIOSH REL
		TWA	400 ppm 980 mg/m3	OSHA Z-1
		TWA	400 ppm 980 mg/m3	OSHA P0
		STEL	500 ppm	OSHA P0

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			1,225 mg/m3	
Aluminum	7429-90-5	TWA (total	50 Million	OSHA Z-3
		dust)	particles per cubic foot	
		TWA	5 mg/m3	NIOSH REL
		(Respirable)		
		TWA (total	15 mg/m3	OSHA Z-3
		dust)		
		TWA (total)	10 mg/m3	NIOSH REL
		TWA	5 mg/m3	OSHA Z-3
		(respirable		
		fraction)		
		TWA	15 Million	OSHA Z-3
		(respirable	particles per cubic	
		fraction)	foot	
		TWA	1 mg/m3	ACGIH
		(Respirable		
		particulate		
		matter)		
		TWA	5 mg/m3	NIOSH REL
			(Aluminum)	
		TWA (Total)	15 mg/m3	OSHA P0
			(Aluminum)	
		TWA	5 mg/m3	OSHA P0
		(Respirable	(Aluminum)	
		fraction)		
		TWA (total	15 mg/m3	OSHA Z-1
		dust)	(Aluminum)	
		TWA	5 mg/m3	OSHA Z-1
		(respirable	(Aluminum)	
		fraction)		
		TWA (Total	15 mg/m3	OSHA P0
		dust)	(Aluminum)	
		TWA	5 mg/m3	OSHA P0
		(respirable	(Aluminum)	
		dust fraction)		
		TWA	5 mg/m3	NIOSH REL
		(welding	(Aluminum)	
		fumes)		
		TWA (pyro	5 mg/m3	NIOSH REL
		powders)	(Aluminum)	
		TWA	1 mg/m3	ACGIH
		(Respirable	(Aluminum)	
		particulate		
		matter)		



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TWA (Fumes)	5 mg/m3	OSHA PO
TWA (powder)	5 mg/m3 (Aluminum)	OSHA P0

Biological occupational exposure limits

Components	CAS-No.	Control parameters	Biological specimen	Samplin g time	Permissible concentratio	Basis
		P	op ooo	9	n	
2-Propanol	67-63-0	Acetone	Urine	End of shift at end of workwee k	40 mg/l	ACGIH BEI

Personal protective equipment

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Eye protection:Skin and body protection:Hygiene measures:	Wear face-shield and protective suit for abnormal processing problems. Long sleeved clothing Safety shoes Choose body protection according to the amount and concentration of the dangerous substance at the work place. When using do not eat or drink.
Remarks :	Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact). The exact break through time can be obtained from the protective glove producer and this has to be observed. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. Recommended preventive skin protection Skin should be washed after contact. The suitability for a specific workplace should be discussed with the producers of the protective gloves.
Hand protection Material :	In the case of dust or aerosol formation use respirator with an approved filter. Solvent-resistant gloves (butyl-rubber)
Respiratory protection :	Use suitable breathing protection if workplace concentration requires.



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When using do not smoke. Wash hands before breaks and at the end of workday.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Color Odor Odor Threshold pH Melting point/freezing point Boiling point/boiling range		Pasty solid silver solvent No data available substance/mixture is non-soluble (in water) No data available 82 °C
Flash point	:	13 °C
Evaporation rate Flammability (solid, gas)	:	No data available The substance or mixture is a flammable solid with the category 1.
Auto-flammability	:	not auto-flammable not auto-flammable
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Vaporpressure	:	No data available
Relative density	:	No data available
Density	:	1.3 - 2.0 g/cm3
Solubility(ies)		
Water solubility	:	insoluble
Partition coefficient: n-	:	No data available
octanol/water		
Autoignition temperature	:	No data available
Decomposition temperature	•	No data available No data available
Viscosity Explosive properties	:	
Explosive properties	•	Not explosive Vapors may form explosive mixture with air. Not explosive Vapors may form explosive mixture with air.

SECTION 10. STABILITY AND REACTIVITY

Reactivity	: No decomposition if stored and applied as directed.
Chemical stability	: No decomposition if stored and applied as directed.
Possibility of hazardous	: Reacts with alkalis, acids, halogenes and oxidizing agents.
reactions	Contact with acids and alkalis may release hydrogen.
	Mixture reacts slowly with water resulting in evolution of
	hydrogen.





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Conditions to avoid Incompatible materials		Stable unde : Do not allow Heat, flame : Acids Bases Oxidizing ag					
SECTION	11. TOXICOLOGICA	L INFORMATION					
	e toxicity lassified based on ava	ailable information.					
Com	<u>ponents:</u>						
	p anol: e oral toxicity	: LD50 (Rat): :	> 2,000 mg/kg				
Acute	e dermal toxicity	: LD50 (Rabbi	t): > 2,000 mg/kg				
-	corrosion/irritation lassified based on ava	ailable information.					
	ous eye damage/eye es serious eye irritatio						
<u>Com</u>	ponents:						
	panol: It: Eye irritation						
Resp	iratory or skin sensi	tization					
-	sensitization lassified based on ava	ailable information.					
-	iratory sensitization lassified based on ava	ailable information.					
	cell mutagenicity lassified based on ava	ailable information.					
	nogenicity lassified based on ava	vilable information					



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IARC	:		this product present at levels greater than or dentified as probable, possible or confirmed n by IARC.		
OSH	A	•	f this product present at levels greater than or on OSHA's list of regulated carcinogens.		
NTP			this product present at levels greater than or dentified as a known or anticipated carcinogen		
-	oductive toxicity lassified based on ava	ailable information.			
	-single exposure cause drowsiness or c	lizziness.			
	oonents:				
	panol: ssment: May cause di	owsiness or dizziness			
	-repeated exposure lassified based on ava	ailable information.			
-	Aspiration toxicity Not classified based on available information.				
Furth	er information				
SECTION	12. ECOLOGICAL IN	FORMATION			
	oxicity ata available				
	stence and degradal ata available	bility			
	Bioaccumulative potential No data available				
	adverse effects ata available				



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SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods	
Waste from residues	 Do not dispose of waste into sewer. Do not contaminate ponds, waterways or ditches with chemical or used container. Send to a licensed waste management company. In accordance with local and national regulations.
Contaminated packaging	 Empty remaining contents. Dispose of as unused product. Do not re-use empty containers. Do not burn, or use a cutting torch on, the empty drum. In accordance with local and national regulations.

SECTION 14. TRANSPORT INFORMATION

Domestic regulation

49 CFR UN/ID/NA number Proper shipping name Class Packing group Labels ERG Code Marine pollutant International Regulations	 UN 1325 Flammable solids, organic, n.o.s. (Aluminum pigment paste) 4.1 II FLAMMABLE SOLID 133 no 	
intoinational riogalationo		
IATA-DGR UN/ID No. Proper shipping name Class Packing group Labels Packing instruction (cargo aircraft) Packing instruction (passenger aircraft)	 UN 1325 Flammable solid, organic, n.o.s. (Aluminium pigment paste) 4.1 II Flammable Solid 448 445 	
IMDG-Code UN number Proper shipping name Class Packing group	 UN 1325 FLAMMABLE SOLID, ORGANIC, N.O.S. (Aluminium pigment paste) 4.1 II 	



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Labels	:	4.1
EmS Code	:	F-G, S-G
Marine pollutant	:	no
Remarks	:	IMDG Code segregation group 15 - Powdered metals

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable for product as supplied.

SECTION 15. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

SARA 311/312 Hazards	:	Flammable (gases, aeroso Serious eye damage or ey Specific target organ toxic	e irritation	,
SARA 313	:	The following components established by SARA Title		orting levels
		2-Propanol	67-63-0	>= 50 - < 70 %
		Aluminum	7429-90-5	>= 30 - < 50 %

Clean Air Act

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

67-63-0

The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCMI Intermediate or Final VOC's (40 CFR 60.489):

2-Propanol

%



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Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307 This product does not contain any priority pollutants related to the U.S. Clean Water Act

US State Regulations

Massachus	setts Right To Know		
2	2-Propanol	67-63-0	
Ą	Aluminum	7429-90-5	
Pennsylvania Right To Know			
2	2-Propanol	67-63-0	
A	Aluminum	7429-90-5	
9	P-Octadecenoic acid (9Z)-	112-80-1	

California Prop. 65



WARNING: This product can expose you to chemicals including lead and cadmium, which is/are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

California List of Hazardous Substances 2-Propanol	67-63-0
Aluminum	7429-90-5
California Permissible Exposure Limits for Chemical Contaminants 2-Propanol	67-63-0
Aluminum	7429-90-5

The ingredients	of this product are reported in the following inventories:
ופח	· All components of this product are on the Capadia

DSL	:	All components of this product are on the Canadian DSL
TSCA	:	On TSCA Inventory



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TSCA list

No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

SECTION 16. OTHER INFORMATION

Full text of other abbreviations					
ACGIH	:	USA. ACGIH Threshold Limit Values (TLV)			
ACGIH BEI	:	ACGIH - Biological Exposure Indices (BEI)			
NIOSH REL	:	USA. NIOSH Recommended Exposure Limits			
OSHA PO	:	USA. Table Z-1-A Limits for Air Contaminants (1989 vacated values)			
OSHA Z-1	:	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants			
OSHA Z-3	:	USA. Occupational Exposure Limits (OSHA) - Table Z-3 Mineral Dusts			
ACGIH / TWA	:	8-hour, time-weighted average			
ACGIH / STEL	:	Short-term exposure limit			
NIOSH REL / TWA	:	Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek			
NIOSH REL / ST	:	STEL - 15-minute TWA exposure that should not be exceeded at any time during a workday			
OSHA P0/TWA	:	8-hour time weighted average			
OSHA P0/STEL	:	Short-term exposure limit			
OSHA Z-1 / TWA		8-hour time weighted average			
OSHA Z-3 / TWA		8-hour time weighted average			
AllC - Australian Inventory	of Ir	ndustrial Chemicals; ASTM - American Society for the Testing			

ralian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO -International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO -International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 -Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National



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Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIOC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

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The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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