

Solaris Red Pearl

MATERIAL SAFETY DATA SHEET

#XL600006

SECTION I - IDENTIFICATION**PRODUCT NAME: SOLARIS RED PEARL****Recommended use**

Additive

Recommended restrictions

None Known

MANUFACTURER: Excel Autobody Products

2921 Syene Road, Madison, WI 53713

PRODUCT INFORMATION: (800) 957-0848

EMERGENCY TELEPHONE: 1-800-424-9300

SECTION II - HAZARDOUS IDENTIFICATION**Physical hazards**

Not classified.

Health hazards

Germ cell mutagenicity

Category 1B

Carcinogenicity

Category 1B

Environmental hazards

Hazardous to the aquatic environment, acute hazard

Category 3

Hazardous to the aquatic environment,
long-term hazard

Category 3

OSHA defined hazards

Not classified.

Label elements**Signal word**

Danger

Hazard statement

May cause genetic defects. May cause cancer. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.

Precautionary statement**Prevention**

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.

Response

If exposed or concerned: Get medical advice/attention.

Storage

Store locked up.

Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise classified (HNOC)

None known.

Supplemental information

89.47% of the mixture consists of component(s) of unknown acute hazards to the aquatic environment. 89.47% of the mixture consists of component(s) of unknown long-term hazards to the aquatic environment.

SECTION III**Composition/information on ingredients****Mixtures**

Chemical name	Common name and synonyms	CAS number	%
Aluminum Oxide Regulatory		1344-28-1	35 - < 55
Titanium Dioxide		13463-67-7	35 - < 55
Naphtha, Petroleum, Heavy Alkylate		64741-65-7	5 - < 20
Silica		7631-86-9	0 - < 5
Tin Oxide Regulatory		18282-10-5	0 - < 5

*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

Solaris Red Pearl

MATERIAL SAFETY DATA SHEET

#XL600006

PART NUMBER - #600006**PRODUCT NAME: SOLARIS RED PEARL****SECTION IV - FIRST AID MEASURES**

Inhalation	Move to fresh air. Call a physician if symptoms develop or persist.
Skin contact	Wash off with soap and water. Get medical attention if irritation develops and persists.
Eye contact	Do not rub eyes. Rinse with water. Get medical attention if irritation develops and persists.
Ingestion	Rinse mouth. Get medical attention if symptoms occur.
Most important symptoms/effects, acute and delayed	Dusts may irritate the respiratory tract, skin and eyes.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Keep victim warm. Keep victim under observation. Symptoms may be delayed.
General information	IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

SECTION V - FIREFIGHTING MEASURES

Suitable extinguishing media	Powder. Alcohol resistant foam. Water spray. Carbon Dioxide (CO2).
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire fighting equipment/instructions	Use water spray to cool unopened containers.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	No unusual fire or explosion hazards noted.

SECTION VI - ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
--	--

Solaris Red Pearl

MATERIAL SAFETY DATA SHEET

#XL600006

PART NUMBER - #600006**PRODUCT NAME: SOLARIS RED PEARL****Methods and materials for containment and cleaning up**

Stop the flow of material, if this is without risk. Collect dust using a vacuum cleaner equipped with HEPA filter.

Large Spills: Wet down with water and dike for later disposal. Shovel the material into waste container. Avoid the generation of dusts during clean-up. Following product recovery, flush area with water.

Small Spills: Sweep up or vacuum up spillage and collect in suitable container for disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

Environmental precautions

Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground. Inform appropriate managerial or supervisory personnel of all environmental releases.

SECTION VII - HANDLING AND STORAGE**Precautions for safe handling**

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Minimize dust generation and accumulation. Provide appropriate exhaust ventilation at places where dust is formed. Avoid prolonged exposure. Should be handled in closed systems, if possible. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Store locked up. Store in original tightly closed container. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS).

SECTION VIII - PRECAUTIONS TO CONTROL EXPOSURE / PERSONAL PROTECTION**Occupational exposure limits****US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**

Components	Type	Value	Form
Aluminum Oxide Regulatory (CAS 1344-28-1)	PEL	5 mg/m ³	Respirable fraction.
Naphtha, Petroleum, Heavy Alkylate (CAS 64741-65-7)	PEL	15 mg/m ³	Total dust.
		400 mg/m ³	
Titanium Dioxide (CAS 13463-67-7)	PEL	100 ppm	Total dust.
		15 mg/m ³	

US. OSHA Table Z-3 (29 CFR 1910.1000)

Components	Type	Value
Silica (CAS 7631-86-9)	TWA	0.8 mg/m ³ 20 mppcf

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
Aluminum Oxide (CAS 1344-28-1)	TWA	1 mg/m ³	Respirable fraction.
Tin Oxide Regulatory (CAS 18282-10-5)	TWA	2 mg/m ³	
Titanium Dioxide (CAS 13463-67-7)	TWA	10 mg/m ³	

Solaris Red Pearl

MATERIAL SAFETY DATA SHEET

#XL600006

PART NUMBER - #600006**PRODUCT NAME: SOLARIS RED PEARL****SECTION VIII - PRECAUTIONS TO CONTROL EXPOSURE / PERSONAL PROTECTION****US. NIOSH: Pocket Guide to Chemical Hazards**

Components	Type	Value	Form
Naphtha, Petroleum, Heavy Alkylate (CAS 64741-65-7)	TWA	400 mg/m ³	
Silica (CAS 7631-86-9)	TWA	100 ppm 6 mg/m ³	
Tin Oxide Regulatory (CAS 18282-10-5)	TWA	2 mg/m ³	

Biological limit values

No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. If engineering measures are not sufficient to maintain concentrations of dust particulates below the Occupational Exposure Limit (OEL), suitable respiratory protection must be worn. If material is ground, cut, or used in any operation which may generate dusts, use appropriate local exhaust ventilation to keep exposures below the recommended exposure limits.

Individual protection measures, such as personal protective equipment**Eye/face protection**

Chemical respirator with organic vapor cartridge, full facepiece, dust and mist filter.

Skin protection**Hand protection**

Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier.

Other

Use of an impervious apron is recommended.

Respiratory protection

Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits. Chemical respirator with organic vapor cartridge, full facepiece, dust and mist filter.

Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES**Appearance****Physical state**

Solid.

Form

Powder.

Color

Pearlescent

Odor

Solvent.

Odor threshold

Not available.

pH

Not available.

Melting point/freezing point

3349.4 °F (1843 °C) estimated

Initial boiling point and boiling range

95 °F (35 °C) estimated

Flash point

-0.00004 °F (-17.8 °C) estimated

Evaporation rate

Not available.

Flammability (solid, gas)

Not available.

Solaris Red Pearl
MATERIAL SAFETY DATA SHEET

#XL600006

PART NUMBER - #600006**PRODUCT NAME: SOLARIS RED PEARL****SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES****Upper/lower flammability or explosive limits**

Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	1951.2 hPa estimated
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	550 °F (287.78 °C) estimated
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Density	3.76 g/cm3 estimated
Flammability class	Flammable 1A estimated
Percent volatile	10 v/v % By Volume 10 w/w % By Weight
Specific gravity	3.76 estimated

SECTION X - STABILITY AND REACTIVITY

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Conditions to avoid	Avoid temperatures exceeding the flash point. Contact with incompatible materials.
Incompatible materials	Acids. Strong oxidizing agents. Chlorine.
Hazardous decomposition products	No hazardous decomposition products are known.

PART NUMBER - #600006**PRODUCT NAME: SOLARIS RED PEARL****SECTION XI - TOXICOLOGICAL INFORMATION****Information on likely routes of exposure**

Inhalation	Dust may irritate respiratory system. Prolonged inhalation may be harmful.
Skin contact	Dust or powder may irritate the skin.
Eye contact	Dust may irritate the eyes.
Ingestion	Expected to be a low ingestion hazard.

Symptoms related to the physical, chemical and toxicological characteristics	Dust may irritate the respiratory tract, skin and eyes.
--	---

Solaris Red Pearl

MATERIAL SAFETY DATA SHEET

#XL600006

PART NUMBER - #600006

PRODUCT NAME: SOLARIS RED PEARL

SECTION XI - TOXICOLOGICAL INFORMATION**Information on toxicological effects****Acute toxicity**

Components	Species	Test Results
Naphtha, Petroleum, Heavy Alkylate (CAS 64741-65-7)		
Acute		
Inhalation		
LC50	Rat	61 mg/l, 4 Hours
Oral		
LD50	Rat	> 25 ml/kg
Silica (CAS 7631-86-9)		
Acute		
Oral		
LD50	Mouse	> 15000 mg/kg
	Rat	> 22500 mg/kg

*Estimates for product may be based on additional component data not shown.

Skin corrosion/irritation

Prolonged skin contact may cause temporary irritation.

Serious eye damage/eye irritation

Direct contact with eyes may cause temporary irritation.

Respiratory or skin sensitization**Respiratory sensitization** Not a respiratory sensitizer.**Skin sensitization** This product is not expected to cause skin sensitization.**Germ cell mutagenicity**

May cause genetic defects.

Carcinogenicity

Suspected of causing cancer.

IARC Monographs. Overall Evaluation of Carcinogenicity

Silica (CAS 7631-86-9)

3 Not classifiable as to carcinogenicity to humans.

Titanium Dioxide (CAS 13463-67-7)

2B Possibly carcinogenic to humans.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Reproductive toxicity

This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity - single exposure

Not classified.

Specific target organ toxicity - repeated exposure

Not classified.

Aspiration hazard

Not an aspiration hazard.

Chronic effects

Prolonged inhalation may be harmful.

Prolonged exposure may cause chronic effects.

SECTION XII - ECOLOGICAL INFORMATION**Ecotoxicity**

Harmful to aquatic life with long lasting effects.

Components	Species	Test Results
Naphtha, Petroleum, Heavy Alkylate (CAS 64741-65-7)		
Aquatic		
Crustacea	EC50	Water flea (Daphnia magna)
Fish	LC50	Rainbow trout, donaldson trout (Oncorhynchus mykiss)
Titanium Dioxide (CAS 13463-67-7)		
Aquatic		
Crustacea	EC50	Water flea (Daphnia magna)
Fish	LC50	Mummichog (Fundulus heteroclitus)

*Estimates for product may be based on additional component data not shown.

Solaris Red Pearl

MATERIAL SAFETY DATA SHEET

#XL600006

PART NUMBER - #600006**PRODUCT NAME: SOLARIS RED PEARL**

Persistence and degradability	No data is available on the degradability of this product.
Bioaccumulative potential	No data available.
Mobility in soil	No data available.
Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

SECTION XIII - WASTE DISPOSAL CONSIDERATIONS

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues/	Dispose in accordance with all applicable regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION XIV - TRANSPORT INFORMATION

The following transportation information is provided based on the manufacturer's interpretation of shipping regulations. Each shipper is responsible for identifying, naming, marking, and labeling prior to offering for transport.

DOT

UN number	UN1263
UN proper shipping name	Paint related material including paint thinning, drying, removing, or reducing compound
Transport hazard class(es)	
Class	3
Subsidiary risk	-
Label(s)	3
Packing group	II
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Packaging provisions	149, B52, IB2, T4, TP1, TP8, TP28
Packaging exceptions	150
Packaging non bulk	173
Packaging bulk	242

IATA

UN number	UN1263
UN proper shipping name	Paint related material (including paint thinning or reducing compounds)
Transport hazard class(es)	
Class	3
Subsidiary risk	-
Packing group	II
Environmental hazards	No.
ERG Code	3L
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Other information	
Passenger and cargo aircraft	Allowed.
Cargo aircraft only	Allowed.

Solaris Red Pearl

MATERIAL SAFETY DATA SHEET

#XL600006

PART NUMBER - #600006**PRODUCT NAME: SOLARIS RED PEARL****SECTION XIV - TRANSPORT INFORMATION****IMDG**

UN number	UN1263
UN proper shipping name	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning or reducing compound)
Transport hazard class(es)	3
Class	3
Subsidiary risk	-
Packing group	II
Environmental hazards	
Marine pollutant	No.
EmS	F-E, S-E
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.
DOT	

**IATA; IMDG****PART NUMBER - #600006****PRODUCT NAME: SOLARIS RED PEARL****SECTION XV - REGULATORY INFORMATION****US federal regulations**

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

All components are on the U.S. EPA TSCA Inventory List.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not regulated.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)**Hazard categories**

Immediate Hazard - No
 Delayed Hazard - Yes
 Fire Hazard - No
 Pressure Hazard - No
 Reactivity Hazard - No

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical

No

Solaris Red Pearl

MATERIAL SAFETY DATA SHEET

#XL600006

PART NUMBER - #600006

PRODUCT NAME: SOLARIS RED PEARL

SECTION XV - REGULATORY INFORMATION**SARA 313 (TRI reporting)**

Chemical name	CAS number	% by wt.
Aluminum Oxide	1344-28-1	35 - < 55

Other federal regulations**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA)

Not regulated.

US state regulations**US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)**

Not listed.

US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd.**(a))**

Naphtha, Petroleum, Heavy Alkylate (CAS 64741-65-7)

Titanium Dioxide (CAS 13463-67-7)

US. Massachusetts RTK - Substance List

Aluminum Oxide Regulatory (CAS 1344-28-1)

Naphtha, Petroleum, Heavy Alkylate (CAS 64741-65-7)

Silica (CAS 7631-86-9)

Tin Oxide Regulatory (CAS 18282-10-5)

Titanium Dioxide (CAS 13463-67-7)

US. New Jersey Worker and Community Right-to-Know Act

Aluminum Oxide Regulatory (CAS 1344-28-1)

Naphtha, Petroleum, Heavy Alkylate (CAS 64741-65-7)

Silica (CAS 7631-86-9)

Tin Oxide Regulatory (CAS 18282-10-5)

Titanium Dioxide (CAS 13463-67-7)

US. Pennsylvania Worker and Community Right-to-Know Law

Aluminum Oxide Regulatory (CAS 1344-28-1)

Naphtha, Petroleum, Heavy Alkylate (CAS 64741-65-7)

Silica (CAS 7631-86-9)

Titanium Dioxide (CAS 13463-67-7)

US. Rhode Island RTK

Aluminum Oxide (CAS 1344-28-1)

US. California Proposition 65

WARNING: This product contains a chemical known to the State of California to cause cancer.

US - California Proposition 65 - CTR: Listed/Carcinogenic substance

Titanium Dioxide (CAS 13463-67-7)

Listed: September 2, 2011

Solaris Red Pearl

MATERIAL SAFETY DATA SHEET

#XL600006

PART NUMBER - #600006**PRODUCT NAME: SOLARIS RED PEARL****International Inventories**

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s).
 A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

SECTION XVI - OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Issue date	09-18-2015
Version #	01
Disclaimer	Our Company cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.