



# MATERIAL SAFETY DATA SHEET

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Date: 03/10/2009

## SHINE AEROSOL (Color/Pigment Restoration)

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier:** Dakota Shine Aerosol  
**General Use:** Color/Pigment Restoration  
**Product Description:** Amber Liquid with Slight Solvent Odor

#### MANUFACTURER

Dakota AG Innovations, LLC  
40690 253rd Street  
Mitchell, South Dakota 57301  
605-996-7800

#### EMERGENCY TELEPHONE NUMBERS:

ChemTrec (800) 424-9300

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

THE SPECIFIC IDENTITY OF CHEMICLAS IN THIS PRODUCT ARE PROPRIETARY, THEY ARE THEREFORE, CONSIDERED TRADE SECRETS AND WITHHELD IN ACCORDANCE WITH THE PROVISIONS OF SECTION 1900.1200 OF TITLE 29 OF THE CODE OF FEDERAL REGULATIONS.

#### OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200):

CAS Registry #	EXPOSURE LIMITS 8 hrs TWA (ppm)		
	OSHA PEL	ACGIH-TLV	OTHER
108-88-3	100 ppm	50 ppm	
67-64-1	500 ppm	500 ppm	
78-93-3	200 ppm	200 ppm	
1330-20-7	100 ppm	100 ppm	
8052-41-3	100 ppm	100 ppm	
74-98-6	1000 ppm	2500 ppm	
75-28-5	Not Established	Not Established	
108-65-6	Not Established	Not Established	2 ppm (AIHA WEEL Guide)

### 3. HAZARD IDENTIFICATION

#### EMERGENCY OVERVIEW

Flammable Aerosol. Aerosol cans can explode when heated.  
If swallowed, call physician immediately. DO NOT INDUCE VOMITING. High vapor concentrations are irritating to the respiratory system and may cause drowsiness. Remove to fresh air.  
Prolonged or repeated skin contact may cause defatting of the skin with redness and irritation.

**EYE CONTACT:**

Moderately irritating, but will not permanently injure eye tissue.

**SKIN CONTACT:**

Frequent or prolonged contact may defat and irritate the skin.

**INGESTION:**

Material contains hydrocarbons. Do not induce vomiting as vomiting may result in aspiration of hydrocarbons into the lungs.

**INHALATION:**

Breathing of the mists or vapors may irritate the nose, throat and lungs. Symptoms may include sore throat, coughing, burning sensation and lethargy depending on concentration and duration.

**CHRONIC:**

There is no known effect from chronic exposure to this product.

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**4. FIRST AID MEASURES****INHALATION:**

Allow the victim to rest in a well-ventilated area. Seek immediate medical attention. In case of inhalation of IDHL levels, evacuate the victim to a safe area as soon as possible. Loosen tight fitting clothes. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.

**EYE CONTACT:**

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Do not use an eye ointment. Consult a physician if irritation persists after flushing eyes.

**SKIN CONTACT:**

If irritation persists, seek medical attention. Wash contaminated clothing before reusing.

**INGESTION:**

DO NOT INDUCE VOMITING! If vomiting occurs spontaneously, lower head to avoid aspiration into the lungs. Contact a physician immediately.

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**5. FIRE FIGHTING MEASURES**

<b>Flashpoint and Method:</b>	Unknown
<b>Flammable Limits:</b>	Unknown
<b>Autoignition Temperature:</b>	Unknown

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**GENERAL HAZARD:**

Flammable Aerosol; may release vapors that form flammable mixtures when temperatures are at or above the flash point. Components can oxidize and can cause spontaneous combustion of contaminated rags or other ignitable absorbent material.

**FIRE FIGHTING INSTRUCTIONS:**

Either allow fire to burn out under controlled conditions or extinguish with foam or dry chemical. Use water spray to cool fire exposed surfaces. Avoid spraying water directly onto hot aerosol containers.

**FIRE FIGHTING EQUIPMENT:**

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode. For small outdoor fires, which may be easily extinguished with a portable fire extinguisher, use of any SCBA may not be required.

**HAZARDOUS COMBUSTION PRODUCTS:**

Carbon monoxide and carbon dioxide.

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**6. ACCIDENTAL RELEASE MEASURES****LAND SPILL RESPONSE:**

Refer to other sections of this MSDS for information regarding physical and health hazards, respiratory protection, ventilation and personal protective equipment. Contain spilled liquid with sand and earth. DO NOT use combustible materials such as sawdust. Materials saturated with this material may spontaneously combust.

**WATER SPILL:**

Remove from water surface by skimming or with suitable absorbents. If allowed by local environmental regulatory agencies, you may use a suitable dispersant.

**RECOMMENDED DISPOSAL:**

This product as supplied, when discarded or disposed of, is a hazardous waste according to 40 CFR 261 due to ignitability.

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**7. HANDLING AND STORAGE**

**STORAGE TEMPERATURE:** Ambient

**STORAGE PRESSURE:** Atmospheric

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**GENERAL:**

- (1) Keep container closed when not in use. Loosen closure cautiously before opening.
  - (2) Do not store over 120° F. High temperatures may cause bursting. Store in well-ventilated place away from incompatible materials such as oxidizing agents, reducing agents, alkalis and acids.
  - (3) Keep away from heat, sparks and flame.
  - (4) Protect material from direct sunlight.
  - (5) For warehouse storage, pallets and cases should be placed to avoid damage or rupture from material-handling equipment.
  - (6) Follow all MSDS/label warnings; even after container is emptied.
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**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****ENGINEERING CONTROLS:**

Provide eyewash and hand washing facilities. Provide exhaust ventilation or other engineering controls to maintain the airborne vapor concentrations below their respective OSHA permissible exposure levels.

**PERSONAL PROTECTION:**

None required, if airborne vapor concentrations are maintained below the component respective threshold limit values and there is no direct skin contact with the material.

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Vapor Pressure:</b>	Not Available	<b>Vapor Density:</b>	Not Available
<b>Specific Gravity:</b>	Not Available	<b>Evaporation Rate:</b>	Not Available
<b>Solubility in Water:</b>	Negligible	<b>Freezing Point:</b>	Not Available
<b>pH:</b>	N/A	<b>Odor:</b>	Aromatic Solvent
<b>Boiling Point:</b>	Not Available	<b>Appearance:</b>	Clear amber
<b>Viscosity:</b>	Not Available	<b>Physical State:</b>	Aerosolized Liquid

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**10. STABILITY AND REACTIVITY****GENERAL:**

This product is stable and hazardous polymerization will not occur.

**INCOMPATIBLE MATERIALS AND CONDITIONS TO AVOID:**

Reactive with oxidizing agents.

**HAZARDOUS DECOMPOSITION:**

None

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## 11. TOXICOLOGICAL INFORMATION

### TOXICITY TO ANIMALS:

- (1) Acute oral toxicity (LD50): 636 mg/kg rat
- (2) Acute dermal toxicity (LD50): 12 to 14 g/kg (rabbit)
- (3) Acute toxicity of the vapor (LD50): 8800 ppm (rat - 4 hr)

### CHRONIC EFFECTS ON HUMANS:

Not listed as human carcinogen. No known chronic effects.

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## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** Not Available  
**BOD5 and COD:** Not Available

### PRODUCTS OF BIODEGRADATION:

Products of biodegradation are less toxic than the product itself.

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## 13. DISPOSAL CONSIDERATIONS

This material is defined as a hazardous material with respect to disposal based on flash point and components. Prevent accidental rupture of cans. Ensure disposal in compliance with federal, state and local disposal regulations.

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## 14. TRANSPORT INFORMATION

DOT (Department of Transportation):

PROPER SHIPPING NAME: Aerosols, Flammable, ORM-D (Limited Quantity)

UN/NA ID: UN1950

PACKAGING GROUP: N/A

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## 15. REGULATORY INFORMATION

### TSCA (Toxic Substances Control Act):

Components of this product are listed on the TSCA inventory.

### SARA Title III (Superfund Amendments and Reauthorization Act):

Components of this product are listed under this statute.

### CERCLA (Comprehensive Response Compensation and Liability Act):

Components of this product are listed under this statute.

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**STATE CHEMICAL LISTS**

Pennsylvania HSSF List - Component Listed.  
Minnesota Substance List - Components Listed.  
New Jersey Right-to-Know Hazardous Substance List - Components Listed.  
California Proposition 65 - Components Listed.  
Massachusetts Substance List - Components Listed.

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**16. OTHER INFORMATION****NATIONAL FIRE PROTECTION ASSOCIATION**

**Health: 2**  
**Fire: 3**  
**Reactivity: 0**

**CREATION/REVISION SUMMARY:**

Created on February 20th, 2004 by: Cheryl Sykora, CIH, CSP  
LEGEND TECHNICAL SERVICES, INC.  
Updated March 10, 2009 775 Vandalia Street  
Saint Paul, Minnesota 55114  
(651) 642-1150

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