

SAFETY DATA SHEET

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 SDS No. 8004
 Date Created: January 14, 2014
 Supersedes: July 9, 2012

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: Dakota Shine Aerosol
General Use: Finish Restoration
Product Description: Flammable aerosolized in a 16 ounce container

MANUFACTURER

Dakota Ag Innovations, LLC
 40690 253rd Street
 Mitchell, South Dakota 57301

EMERGENCY TELEPHONE NUMBER:

1-800-424-9300 CHEMTREC

2. HAZARD IDENTIFICATION

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)

Component	EXPOSURE LIMITS 8 hrs TWA (ppm)		
	OSHA PEL	ACGIH TLV	NIOSH REL
Acetone	1000 ppm	500 ppm	250 ppm
Ethyl Benzene	100 ppm	20 ppm	100 ppm
Propane	1000 ppm	NE	1000 ppm
n-butane	800 ppm	800 ppm	800 ppm
Mineral Spirits	500 ppm	100 ppm	350 ppm
Propylene Glycol Monomethyl Ether	NE	NE	NE
Toluene	200 ppm	20 ppm	100 ppm
Xylene	100 ppm	100 ppm	100 ppm

NE - Not Established

EMERGENCY OVERVIEW

GHS CLASSIFICATION OF SUBSTANCE

Flammable	Category 1 flammable aerosol
Aspiration Toxicity	Category 1
Skin Irritation	Category 3 mild irritation
Eye Irritation	Not Classified
Carcinogenicity	Not Classified
Specific Organ Toxicity Repeated Exp.	Category 1 (CNS)
Specific Organ Toxicity Single Exp.	Category 1 (CNS)
Reproductive Toxicity	Category 2
Acute Toxicity	Category 5
Germ Cell mutagenicity	Not Classified
Hazardous to the aquatic env.	Acute Category 3; Chronic - Not Classified

GHS LABEL ELEMENTS**Signal Word - DANGER**

Hazard Statements

H222 - Extremely flammable aerosol
 H229 - Pressurized container: may burst if heated
 H315 - Causes skin irritation
 H333 - May be harmful if inhaled.
 H336 - May cause drowsiness or dizziness
 H361 - Suspected of damaging the unborn child
 H373 - May cause damage to the CNS system through prolonged or repeated exposure
 H402 - Harmful to aquatic life

Precautionary Statements

Prevention:

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
 P211 - Do not spray on an open flame or other ignition source.
 P251 - Do not pierce or burn, even after use.
 P101 - If medical advice is needed, have product container or label at hand.
 P102 - Keep out of reach of children.
 P103 - Read label before use.
 P261 - Avoid breathing vapors.
 P263 - Avoid contact during pregnancy and while nursing.

Response:

P301+331 - If swallowed, seek medical attention. Do not induce vomiting!
 P302 - If on skin, wash with neutral soap
 P304 - if inhaled, remove victim to fresh air.
 P305+338+351 - If in eyes, rinse eyes for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P370+P378 - In case of fire: Use fire extinguishing media suitable for hydrocarbon fires
 P410+412 - Protect from Sunlight. Do not expose to temperatures exceeding 50 C/122 F

Storage/Disposal:**UN GHS**

ACCORDING TO THE GLOBALLY HARMONIZED STANDARD FOR CLASSIFICATION AND LABELING (GHS) THIS PRODUCT IS CONSIDERED HAZARDOUS BASED ON FLAMMABILITY

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>wt%</u>	<u>CAS Registry #</u>
Acetone	25 - 31	67-64-1
Ethylbenzene	1 - 3	100-41-4
Propane	15 - 21	74-98-6
n-Butane	5 - 8	106-97-8
Propylene Glycol Monomethyl Ether	8 - 10	108-65-6
Toluene	15 - 21	108-88-3
Xylene	3 - 5	1330-20-7

4. FIRST AID MEASURES

INHALATION:

Allow the victim to rest in a well-ventilated area. Seek immediate medical attention if symptoms persist. Inhalation of IDLH levels are not likely if product is used according to instructions.

EYE CONTACT:

Moderately irritating, but will not permanently injure eye tissue. Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Check for and remove contact lenses. Seek medical attention if irritation persists.

SKIN CONTACT:

Wash skin with mild soap solution to remove material. Frequent or prolonged contact with the material may defat and irritate skin.

INGESTION:

Material contains hydrocarbons. Do not induce vomiting as vomiting may result in aspiration of hydrocarbons into the lungs. Ingestion is not a likely route of entry if used in accordance with manufacturer's instructions. If ingestion occurs, seek immediate medical attention.

5. FIRE FIGHTING MEASURES

Flashpoint and Method: < - 18C (-0.4 F)

Flammable Limits: Not Established for the Mixture

Autoignition Temperature: Not Established for the Mixture

GENERAL HAZARD:

Product contains highly flammable propane gases as propellants and is composed of flammable solvents. Use of this product near any ignition source can cause a flash fire.

FIRE FIGHTING INSTRUCTIONS:

Suitable extinguishing media include: carbon dioxide or dry chemical or other media suitable for hydrocarbon fires. Unsuitable extinguishing media include: water spray. However, if water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible explosion when exposed to extreme heat.

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

FURTHER INFORMATION:

Residue remaining following a fire needs to be evaluated for disposal options.

HAZARDOUS COMBUSTION PRODUCTS:

Carbon monoxide and carbon dioxide

6. ACCIDENTAL RELEASE MEASURES

LAND SPILL RESPONSE:

Refer to other sections of this SDS 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 adsorbents. If allowed by local environmental regulatory agencies, you

RECOMMENDED DISPOSAL:

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

7. HANDLING AND STORAGE

STORAGE TEMPERATURE: Ambient

STORAGE PRESSURE: Atmospheric

GENERAL:

- (1) Keep container closed when not in use. Loosen closure carefully 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 SDS/label warnings, even after container is emptied.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)**

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NE - Not Established

ENGINEERING CONTROLS:

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

PERSONAL PROTECTION:

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

9. PHYSICAL AND CHEMICAL PROPERTIES

Vapor Pressure:	Approximately 50 psig @ 10C	Vapor Density:	Unknown
Specific Gravity:	0.753 @ 15C (60 F)	Evaporation Rate:	Faster than ether
Solubility in Water:	Negligible	Freezing Point:	Not Established (pressurized mixture)
pH:	NA	Odor:	solvent
Boiling Point:	NA (pressurized mixture)	Appearance:	Clear amber
Viscosity:		Physical State:	aerosol pressurized mixture
Flash Point:	<-18C (-0.4F)	Flammable Range:	Not Established (pressurized mixture)
VOC Percent by WT:	53.16	MIR Number (EPA and CA):	1.468
HAPS Percent by weight:	22.1	Coating Category (EPA and CA):	CLEAR COATING

10. STABILITY AND REACTIVITY**GENERAL:**

Stable under normal conditions.

INCOMPATIBLE MATERIALS AND CONDITIONS TO AVOID:

Strong oxidizing agents

HAZARDOUS DECOMPOSITION:

None

11. TOXICOLOGICAL INFORMATION**TOXICITY TO ANIMALS:**

<u>Component</u>	<u>Acute Test</u>	<u>Value</u>	<u>Species</u>
Toluene	LC50 Inhalation	12.5 mg/L/4H	Rat
Toluene	LC50 Inhalation	>26700 ppm/1H	Rat
Toluene	LD50 Oral	636 mg/kg	Rat
Toluene	LD50 Dermal	8390 mg/kg	Rabbit
Xylene	LD50 Dermal	12400 mg/kg	Rabbit
Xylene	LD50 Oral	5000 mg/kg	Rabbit
Xylene	LC50 Inhalation	4550 ppm/4H	Rat
Acetone	LD50 Oral	1000 mg/kg	Rat
Acetone	LD50 Dermal	2400 mg/kg	Rabbit

ROUTES OF ENTRY: Through normal product use the route of entry is through inhalation of the vapor and absorption through the skin

CHRONIC EFFECTS ON HUMANS:**Eyes:**

None known

Skin:

Chronic skin exposure may cause contact dermatitis

Ingestion:

None known

Inhalation:

Chronic inhalation of product components may cause liver, kidney neurological damage

International Agency for the Research on Cancer classified toluene as a category 3 carcinogen ie not classifiable as to carcinogenicity to humans; Toluene is considered to be a possible reproductive toxicant.

12. ECOLOGICAL INFORMATION

Species	Test Information	concentration	Stat Sig Level	compound
Fathead minnow	Slightly Toxic	34,863 ug/L	LC50	xylene
fairy shrimp	Slightly Toxic	87,590 ug/L	LC50	xylene
Water flea	Slightly Toxic	150,000 ug/L	LC50	xylene
Crago franciscorum	LC50 96 H	3,700 ug/L	LC50	toluene
Pink Salmon	LC50 96 H	6,300 ug/L	LC50	toluene

PRODUCTS OF BIODEGRADATION:

Less toxic than the product

13. DISPOSAL CONSIDERATIONS

Do not puncture, incinerate or place container in trash compactor. Dispose of product in accordance with Federal, State, and Local regulations. Empty containers are 95% steel; recycle where allowed.

14. TRANSPORT INFORMATION

The following proper shipping name, hazard class and packing group are in accordance to transportation regulations.

Mode of Transportation	Domestic Surface (USDOT)	Water (IMDG)	International Air (IATA)
UN Number	UN1950	UN1950	UN1950
Proper Shipping Name	AEROSOLS, FLAMMABLE	AEROSOLS	AEROSOLS, FLAMMABLE
Hazard Class	2.1	2.1	2.1
Packing Group	NA	NA	NA
Hazard Label	(LTD QTY) 49 CFR 172.315	LTD QTY label	LTD QTY label with "Y" in it, and Flammable Gas label
Handling Label(s)	UN1950, AEROSOLS, FLAMMABLE, 2.1, LTD QTY	UN1950, AEROSOLS, 2.1, (-18 C c.c.), LTD QTY	UN1950, AEROSOLS, FLAMMABLE, 2.1
ERG#:	#126		#126
Packaging Instructions:		P003	**Y203 IF NOT SHIPPING IN un-Certified box**

15. REGULATORY INFORMATION

Chemical Inventory Status

All components of this product are listed on or exempt from the following inventories: TSCA (United States), DSL (Canada), AICS (Australia), IECSC (China)

Section 313 Toxic Chemicals: Toluene, Xylene, and Ethylbenzene are subject to the reporting requirements.

California Proposition 65:

This product contains chemicals known to the state of California to cause cancer and birth defects or other reproductive harm.

16. OTHER INFORMATION

NATIONAL FIRE PROTECTION ASSOCIATION

Health: 2
 Fire: 4
 Reactivity: 1

CREATION/REVISION SUMMARY:

Created on January 14, 2014

Cheryl Sykora, CIH, CSP, CHMM

Registered Specialist, SDS and Label Authoring #118534

LEGEND TECHNICAL SERVICES, INC.

88 Empire Drive

Saint Paul, Minnesota 55103

651-221-4085



THE INFORMATION RELATES TO THIS SPECIFIC INFORMATION. IT MAY NOT BE VALID FOR THIS MATERIAL IF USED IN COMBINATION WITH ANY OTHER MATERIALS OR IN ANY PROCESS. IT IS THE USER'S RESPONSIBILITY TO SATISFY ONESELF AS TO THE SUITABILITY AND COMPLETENESS OF THIS INFORMATION FOR HIS OWN PARTICULAR USE. ALL MATERIALS MAY PRESENT UNKNOWN HAZARDS AND SHOULD BE USED WITH CAUTION. ALTHOUGH CERTAIN HAZARDS ARE DESCRIBED HEREIN, WE CANNOT GUARANTEE THAT THESE ARE THE ONLY HAZARDS THAT EXIST.