

SAFETY DATA SHEET

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 SDS No. 8004
 Date Created: January 4, 2019
 Supersedes: January 14, 2014

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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|-----------------------------------|---------------------------------|-----------|-----------|
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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:

Reviewed on January 4, 2019

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.