Dakota AG Innovations, LLC

SAFETY DATA SHEET

SDS No. 8003
Date Created: January 15, 2014
Supercedes: March 10, 2009

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: **Dakota Shine**
General Use: Finish Restoration
Product Description: Flammable Liquid

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)

	EXPOSURE LIMITS 8 hrs TWA (ppm)		
Component	OSHA PEL	ACGIH TLV	NIOSH REL
Acetone	1000 ppm	500 ppm	250 ppm
1-Methyl-2-Pyrrolidinone; 2,2'-Bipyridine Mixture	NE	NE	NE
Epon Resin	NE	NE	NE
Metallic 2-Ethylhexanoic Acids Mix.	NE	NE	NE
Medium Aliphatic Naphtha	NE	NE	NE
Propylene Glycol Monomethyl Ether	NE	NE	NE
Toluene	200 ppm	20 ppm	100 ppm
Xylene	100 ppm	100 ppm	100 ppm
2-Hydroxy-4-n-octoxybenzophenone	NE	NE	NE
Natural Oil Copolymer	NE	NE	NE

NE - None Established

EMERGENCY OVERVIEW

GHS CLASSIFICATION OF SUBSTANCE

Flammable	Category 2 flammable liquid
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 Statement - Highly Flammable liquid and vapour**

Hazard Statements
H225 -Highly flammable liquid and vapour
H242 - Heating may cause a fire
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.
P233 - Keep container tightly closed.
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

Storage/Disposal:
P403 - Store in a well ventilated place.
P501 - Dispose of unused contents in accordance with regulatory requirements.

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

Component	wt%	CAS Registry #
Acetone	20 - 25	67-64-1
1-Methyl-2-Pyrrolidinone; 2,2'-Bipyridine Mixture	<1	Mixture
Epon Resin	<1	25036-25-3
Metallic 2-Ethylhexanoic Acids Mix.	1 - 5	Mixture
Medium Aliphatic Naphtha	2 - 7	64742-88-7
Propylene Glycol Monomethyl Ether	8 - 15	108-65-6
Toluene	25 - 35	108-88-3
Xylene	8 - 15	1330-20-7
2-Hydroxy-4-n-octoxybenzophenone	<1	1843-05-6
Natural Oil Copolymer	8 - 15	68213-53-6

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: <20 ^{o}F (ASTMD93 Pensky Marten Closed cup)
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

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NE - None 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:	Unknown	**Vapor Density:**	Unknown
Specific Gravity:	approx. 0.9	**Evaporation Rate:**	Unknown
Solubility in Water:	Negligible	**Freezing Point:**	Unknown
pH:	NA	**Odor:**	solvent
Boiling Point:		**Appearance:**	Clear amber
Viscosity:	Unknown	**Physical State:**	Liquid
Flash Point:		**Flammable Range:**	Not Established
VOC Percent by WT:		**MIR Number (EPA and CA):**	
HAPS Percent by weight:		**Coating Category (EPA and CA):**	

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:

Component	Acute Test	Value	Species
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 Aency 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	UN1263		UN1263
Proper Shipping Name	Paint Related Material		Paint Related Material
Hazard Class	3		3
Packing Group	PG III		PG III
Hazard Label			
Handling Label(s)			
ERG#:			
Packaging Instructions:			

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 and Xylene 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: **3**
Reactivity: **0**

CREATION/REVISION SUMMARY:

Created on January 15, 2014

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