



SAFETY DATA SHEET

IMMIX Chemical & Solutions

Sterling Shine

Revision Date 05/25/2018

SECTION – 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME Sterling Shine **PRODUCT USE** Neutral Floor Cleaner **ITEM** 194
COMPANY NAME IMMIX Chemical & Solutions Company **Office** 501-286-5305
 2693 2nd St
 Cabot AR 72023
EMERGENCY TELEPHONE NUMBER **INFOTRAC** **(800) 535-5053**

SECTION – 2 HAZARDS INFORMATION

PHYSICAL HAZARDS FLAMMABLE LIQUIDS-Category 2
HEALTH HAZARDS EYES-Category 2A, SKIN-Category 2, STOT SINGLE EXPOSURE-Category 1, ACUTE TOXICITY-Category 4 (Oral)



Flammables



Irritant (skin and eye)
Narcotic Effects
Respiratory Tract Irritant



Target Organ Toxicity



Acute Toxicity

DANGER! Highly flammable liquid and vapor, Vapors may cause flash fire, Keep away from heat, sparks, open flames or hot surfaces
 Contains Methanol, Causes serious eye irritation, Causes skin irritation, Toxic if inhaled, Toxic if swallowed, Causes damage to, Central Nervous System, Optic Nerve, by skin absorption, ingestion, or inhalation, through single and/or prolonged or repeated exposure, effects of exposure may be delayed, May cause respiratory irritation and/or drowsiness or dizziness, Do not get in eyes, on skin, or clothing, and avoid inhalation of mist, vapor, or fumes, Do not smoke, eat or drink while using, handling or transferring, Use personal protective equipment as required, Wash thoroughly after handling, Avoid release into the environment

SECTION – 3 COMPOSITION INFORMATION

(Exact percentage of the listed chemicals of composition has been withheld as a trade secret)

CHEMICAL NAME	COMMON NAME AND SYNONYMS	CAS #	IMPURITIES	PERCENT
Methanol	Methyl Alcohol, Wood Alcohol	67-56-1	Water <1%	10 - 40%

SECTION – 4 FIRST AID MEASURES

EYE CONTACT Immediately flush eyes with cold water for at least 15 minutes while lifting upper and lower eyelids, Remove contact lenses if present and easy to do without injury to the eye and continue rinsing, Obtain immediate medical attention, preferably from an ophthalmologist or Emergency Room

SKIN CONTACT Immediately wash contaminated skin with a nonabrasive soap and plenty of water for at least 15 minutes. Be sure to remove any contaminated clothing and wash before reuse. Immediate medical attention may be required. Consult with a physician.

INHALATION Move person to fresh air, if they have problem breathing, show signs of overexposure or feel unwell obtain medical attention

INGESTION DO NOT INDUCE VOMITING, unless directed to do so by medical personnel. If person is conscious, rinse mouth with water. Immediate medical attention is required. Call a physician, Emergency Room or Poison Control center

Aspiration Hazard Not considered to be an aspiration hazard, If swallowed, vomiting may occur spontaneously, but DO NOT INDUCE. If vomiting occurs, keep head below hips to prevent aspiration into the lungs

ACUTE SYMPTOMS OF SINGLE OVEREXPOSURE

Eyes Can cause serious eye irritation, redness, tearing, or pain, by direct product contact, mist or vapors

Skin Can cause skin irritation, redness, drying or cracking, and may affect target organs, May be harmful if absorbed through skin

Inhalation Harmful if inhaled, Mist or vapor can cause irritation, to respiratory tract, Symptoms may include, dizziness, drowsiness, fatigue, blurred vision, through prolonged or repeated exposure, Effects may be delayed

Ingestion Harmful or fatal if swallowed, Can cause irritation, of the mouth, and throat, Ingestion can affect, central nervous system, especially the optic nerve, Symptoms may include, dizziness, drowsiness, headache, nausea, sensitivity to light, possible blindness, Effects may be delayed

CHRONIC SYMPTOMS OF PROLONGED OR REPEATED OVEREXPOSURE

Eyes Causes serious eye irritation, redness, tearing, pain, corneal injury, lesions or blurred vision, by direct product contact, mist or vapors, Effects may be delayed

Skin Causes skin irritation, Toxic amounts can be absorbed through skin, and affect target organs, especially the optic nerve, Effects may be delayed

Inhalation Toxic if inhaled, Mist or vapor can cause irritation, to respiratory tract, Symptoms may include, nausea, headache, dizziness, drowsiness, sensitivity to light, blurred vision, May affect, central nervous system, optic nerve, through prolonged or repeated exposure, Effects may be delayed

Ingestion Toxic or fatal if swallowed, Causes irritation, of the mouth, and throat, Ingestion can affect, central nervous system, especially the optic nerve, Symptoms may include, dizziness, drowsiness, headache, nausea, vomiting, abdominal pain, sensitivity to light, blurred vision, possible blindness, Effects may be delayed

SECTION – 5 FIRE FIGHTING MEASURES

Extinguishing Media	Suitable: Use DRY chemicals, CO2, alcohol foam. Water spray to cool or protect exposed materials
Hazardous Decomposition	Burning or thermal decomposition can produce, aldehydes, carbon monoxide, carbon dioxide, formaldehyde, and other toxic fumes
Reactive With	Incompatible with, strong oxidizing agents, strong reducing agents, strong bases
Explosion Hazards	May flash if ignited in an enclosed area. Flashback along vapor trail may occur
Static Discharge	Expected to ignite product
Mechanical Impact	Not Expected to ignite product
Protective Equipment	Use MSHA/NIOSH approved self-contained breathing apparatus and full protective gear

FLAMMABLE LIQUIDS HAZARD CLASSIFICATION	
Criteria	Flash point < 23 °C (73°F) and initial boiling point > 35°C (95°F)
NFPA	Class I B
GHS	Category 2
WHMIS	Class B2

NFPA HAZARD	RATINGS
Health	2
Flammability	3
Reactivity	0
Personal Protection	FBG

SECTION – 6 ACCIDENTAL RELEASE MEASURES

Emergency Procedures	Warn personnel to move away and stay upwind from spill
Personal Precautions	Eliminate ignition sources and ventilate area
Protective Equipment	Safety Glasses, Chemical Gloves, Approved Respirator, Chemical Apron and Rubber Boots
Containment	Cover or dike any floor drains with an inert material to prevent product from entering the environment or spreading
Clean Up Procedures	Small Spills: Use wet vacuum or mop and wringer to pick up spilled material then mop area with clean water Large Spills: Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container Vacuum or sweep up material and place in a disposal container
Disposal	Dispose of material in accordance with all State and Federal Guidelines and Regulations

SECTION – 7 HANDLING AND STORAGE

Handling	DANGER, HIGHLY FLAMMABLE LIQUID, TOXIC, Keep away from incompatible materials, Use appropriate safety equipment, and adequate ventilation, Avoid eye and skin contact, Avoid inhalation of mist, vapors or fumes, May cause respiratory irritation and/or drowsiness or dizziness, Toxic if inhaled, Toxic if swallowed, Do not allow smoking and food consumption while handling, Wash thoroughly after handling, Avoid release to the environment
Storage	KEEP OUT OF REACH OF CHILDREN, Keep container closed when not in use, Store in a well-ventilated area and away from incompatible materials, Store away from heat, sparks, open flames or hot surfaces, Vapors may spread long distances and ignite explosively, Store below 49°C (120°F) and in accordance with Class 1B Flammable Liquids (GHS Category 2)
Incompatible Materials	Incompatible with, strong oxidizing agents, strong bases, strong acids

SECTION – 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS					Significant Exposure
CHEMICAL NAME	ACGIH (TWA 8)	ACGIH (STEL)	OSHA PEL (TWA 8)	OSHA (CEIL)	
Methanol	200 ppm (260 mg/m3)	250 ppm (310 mg/m3)	250 ppm (310 mg/m3)		Skin

PERSONAL PROTECTIVE EQUIPMENT

				
Chemical Safety Glasses, Goggles or Face Shield	Impervious Chemical Gloves	MSHA/NIOSH Approved Respirator At or Above Listed TLV's	Impervious Protective Clothing	Eye Wash and Safety Shower (Recommended)



Ventilation

General Ventilation

Ventilate to keep vapors of this material below the lowest ppm listed above. If over Threshold Limit Value use NIOSH approved respirator.

"Consulting with a Safety Equipment Supplier is recommended"

HMIS HAZARD RATINGS

Health	2
Flammability	3
Reactivity	0
Personal Protection	H

SECTION – 9 PHYSICAL AND CHEMICAL PROPERTIES

Flash Point	11°C (51.8°F)	Specific Gravity / Relative Density	0.91
Flammable Limits	Lower 6.0%, Upper 36%	Molecular Weight	Not determined
Auto-Ignition Temp.	385°C (725°F)	Initial Boiling Point	Not determined
Physical State	Liquid	Boiling Range	Not determined
Appearance	Clear Yellow	Vapor Pressure	Not determined
Odor	Lemon	Vapor Density	Not determined
Odor Threshold	Not determined	Freeze Point	Not determined
Solubility	100%	Melting Point	Not determined
Volatiles	< 99%	Partition Coefficient	Not determined
VOC	< 30%	Decomposition Temperature	Not determined
pH (± 0.3)	7.5	Evaporation Rate	Not determined

SECTION – 10 STABILITY AND REACTIVITY

Reactivity (Specific Test Data)	None available
Chemical Stability	Stable when stored below 49°C (120°F)
Hazardous Polymerization	Will not occur
Conditions To Avoid	Heat sources, sparks, flame or static discharge and incompatible materials
Incompatible Materials	Incompatible with, strong oxidizing agents, strong bases, strong acids
Thermal Decomposition	Burning or thermal decomposition can produce, carbon monoxide, carbon dioxide, formaldehyde, and other toxic fumes

SECTION – 11 TOXICOLOGICAL INFORMATION**ROUTES OF EXPOSURE**

Eyes (Yes), Skin (Yes), Ingestion (Yes), Inhalation (Yes "Mist, Vapor or Fumes")

ACUTE SYMPTOMS OF SINGLE OVEREXPOSURE

Eyes	Can cause serious eye irritation, redness, tearing, or pain, by direct product contact, mist or vapors
Skin	Can cause skin irritation, redness, drying or cracking, and may affect target organs, May be harmful if absorbed through skin
Inhalation	Harmful if inhaled, Mist or vapor can cause irritation, to respiratory tract, Symptoms may include, dizziness, drowsiness, fatigue, blurred vision, through prolonged or repeated exposure, Effects may be delayed
Ingestion	Harmful or fatal if swallowed, Can cause irritation, of the mouth, and throat, Ingestion can affect, central nervous system, especially the optic nerve, Symptoms may include, dizziness, drowsiness, headache, nausea, sensitivity to light, possible blindness, Effects may be delayed

CHRONIC SYMPTOMS OF PROLONGED OR REPEATED OVEREXPOSURE

Eyes	Causes serious eye irritation, redness, tearing, pain, corneal injury, lesions or blurred vision, by direct product contact, mist or vapors, Effects may be delayed
Skin	Causes skin irritation, Toxic amounts can be absorbed through skin, and affect target organs, especially the optic nerve, Effects may be delayed
Inhalation	Toxic if inhaled, Mist or vapor can cause irritation, to respiratory tract, Symptoms may include, nausea, headache, dizziness, drowsiness, sensitivity to light, blurred vision, May affect, central nervous system, optic nerve, through prolonged or repeated exposure, Effects may be delayed
Ingestion	Toxic or fatal if swallowed, Causes irritation, of the mouth, and throat, Ingestion can affect, central nervous system, especially the optic nerve, Symptoms may include, dizziness, drowsiness, headache, nausea, vomiting, abdominal pain, sensitivity to light, blurred vision, possible blindness, Effects may be delayed
Acute Tox Calculated	Oral: 524 mg/kg Dermal: 59,428 mg/kg Inhaled: 272 mg/L
Acute Tox Category	Category 4 (Oral >300, ≤2000 mg/kg), "Not applicable (Dermal > 2,000 mg/kg)", "Not applicable (Inhaled > 20 mg/L) Vapors"
Additional Info	NOTE: Intentional misuse by deliberately concentrating and inhaling this product can cause irreversible harm and possible death, Methanol is regarded as a cumulative poison because it is slowly eliminated from the body. Daily exposures may result in the accumulation of a harmful amount, Symptoms of overexposure may include headache, drowsiness, nausea, vomiting, blurred vision, blindness or coma. A person may get better but then worse up to 30 hours later. Overexposure can be fatal
Target Organs	Kidneys, Liver, Eyes (Lens or cornea), Central Nervous System, Optic Nerve
Medical Conditions	Preexisting, eye, skin, liver, kidney, central nervous system, respiratory, optic nerve, disorders may be aggravated by exposure to this product
Notes to Physician	In case of ingestion, gastric lavage with activated charcoal can be used promptly to prevent absorption

CARCINOGENIC – This product contains concentrations above 0.1% of the following:

CHEMICAL NAME	NTP	ACGIH	IARC	GHS Category
None Listed				

MUTAGENIC AND REPRODUCTIVE EFFECTS – May cause fetal and reproductive abnormalities.

CHEMICAL NAME	Germ Cell Mutagenicity	Toxic to Reproduction
None Listed		

SECTION – 11 TOXICOLOGICAL INFORMATION - CONTINUED

<u>ACUTE TOXICITY</u>	<u>Type</u>	<u>Form</u>	<u>Subject</u>	<u>Result Value</u>	<u>Exposure Time</u>	<u>GHS Category</u>
Methanol	LD50	Oral	Rat	1187 mg/kg		4 (>300, ≤2000 mg/kg)
	LD50	Inhaled	Rat	128.2 mg/L	4 Hours	(>20 mg/L)
	LDLO	Oral	Human	143 mg/kg		3 (>50, ≤300 mg/kg)
	LD50	Dermal	Rabbit	17100 mg/kg		(>2000 mg/kg)

SECTION – 12 ECOLOGICAL INFORMATION

<u>CHEMICAL NAME</u>	<u>Type</u>	<u>Subject</u>	<u>Subject Latin</u>	<u>Result Value</u>	<u>Exposure Time</u>	<u>GHS Category</u>
Methanol	LC50		Bluegill (<i>Lepomis macrochirus</i>)	15400 mg/L	96 Hours	4 (>100 mg/L)
	LC50		Fathead Minnow (<i>Pimephales promelas</i>)	29.4 g/L	96 Hours	4 (>100 mg/L)
	LC50		Rainbow Trout (<i>Oncorhynchus mykiss</i>)	8000 mg/L	48 Hours	4 (>100 mg/L)

Presistence And Degradability	This product is inherently biodegradable according to the OECD definition
Bioaccumulative Potential	Rapidly biodegradable in aerobic conditions
Mobility In Soil	This material is a mobile liquid
Other Adverse Effects	When released into the soil, methanol is expected to readily biodegrade and leach into groundwater and is expected to have a half life of between 1 and 10 days

SECTION – 13 DISPOSAL CONSIDERATIONS

DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER
Dispose of any waste in accordance with all State and Federal Guidelines and Regulations

ENVIRONMENTAL FATE

This material as supplied, when discarded or disposed of, is a hazardous waste according to Federal Regulations (40 CFR 261) due to its ignitability and due to the composition containing in some or all of its components.

Under RCRA rules, it is the responsibility of the user of the product to determine, at the time of disposal, whether the material is a hazardous waste.

The transportation, storage, treatment and disposal of RCRA waster material must be conducted in compliance with 40 CFR 262, 263, 264 and 270. Disposal can only occur in properly permitted facilities.

Chemical additions, processing or otherwise altering this material may make the waste management information presented in this SDS incomplete, inaccurate, or otherwise inappropriate.

SECTION – 14 TRANSPORT INFORMATION**D.O.T. CLASSIFICATION****UN Number**

UN 1992

Proper Shipping Name

FLAMMABLE LIQUIDS, TOXIC, n.o.s. (Methanol)

Hazard Class

3, 6.1

Packing Group

PG II

Label Codes

Flammable Liquids, Toxic

Reportable Quantity (lbs)

5000

Response Code

131

Marine Pollutant

No

Placard Label**Hazard Label****Secondary**

SECTION – 15 REGULATORY INFORMATION**TSCA**

CHEMICAL NAME	Sec 8(b) Inventory	Sec 8(d) Health And Safety	Sec 4(a) Chemical Test Rules	Sec 12(b) Export Notification
Methanol	Yes	Yes		Yes

REPORTABLE QUANTITIES

CHEMICAL NAME	Extremely Hazardous EPCRA TPQ Sec 302	Reportable Quantity EPCRA RQ Sec 304	Emission Reporting CERCLA RQ Sec 103	TRI Sec 313	RCRA Code	RMP TQ Sec 112r
Methanol		5000	Yes		U154	

SARA

CHEMICAL NAME	Section 311			Section 311 / 312 Hazards			
	Hazardous Chemical	Acute	Chronic	Flammable	Pressure	Reactive	
Methanol	Yes	Yes	Yes	Yes			

RIGHT TO KNOW

CHEMICAL NAME	STATE												
	CA	CT	FL	IL	LA	NJ	NY	PA	MI	MN	MA	RI	WI
Methanol	Yes					Yes		Yes				Yes	

CALIFORNIA

CHEMICAL NAME	CAS #	WARNING! This product contains chemicals known to the state of California to cause:			
		Birth Defects	Reproductive Harm	Carcinogen	Developmental
Methanol	67-56-1				Yes

CLEAN AIR WATER ACTS

CHEMICAL NAME	CAS #	Clean Air Acts			Clean Water Acts		
		HAP	Ozone Class 1	Ozone Class 2	HS	PP	TP
Methanol	67-56-1	Yes					

INTERNATIONAL REGULATIONS – The components of this product are listed on the chemical inventories of the following countries:

CHEMICAL NAME	Australia	Canada	Europe (EINECS)	Japan	Korea	UK
Methanol	Yes	Yes	Yes	Yes	Yes	Yes

WHMIS Classification

CHEMICAL NAME	DSL	Class	Description
Methanol	Yes	B-2	Flammable Liquids; Flashpoint < 37.8° C (100°F)
		D-1B	Materials Causing Immediate and Serious Toxic Effects; Toxic Material
		D-2A	Materials Causing Other Toxic Effects; Very Toxic Material
		D-2B	Materials Causing Other Toxic Effects; Toxic Material

DSCL (EEC)

Code	Definition (R-Phrases / S-Phrases)
R10	Flammable
R23/24/25	Toxic by inhalation, in contact with skin and if swallowed
R36/37/38	Irritating to eyes, respiratory system and skin
S2	Keep out of the reach of children
S15	Keep away from heat
S16	Keep away from sources of ignition - No smoking
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S38	In case of insufficient ventilation wear suitable respiratory equipment
S61	Avoid release to the environment
S62	If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label where possible
S20/21	When using do not eat, drink or smoke
S24/25	Avoid contact with skin and eyes
S29/35	Do not empty into drains; dispose of this material and its container in a safe way
S36/37/39	Wear suitable protective clothing, gloves and eye/face protection

SECTION – 16 OTHER INFORMATION

SDS	Legend Description		
ACGIH	American Conference of Governmental Industrial Hygienists	LD50	Dose that is lethal to 50% of a given species by a given route of exposure
CAS	Chemical Abstracts Service Registry	LEL	Lower Explosive Limit
CEIL	Ceiling Limit (15 minutes)	NA	Not Applicable
CERCL	Comprehensive Environmental Response, Compensation, and Liability Act	ND	Not Determined
EPA	Environmental Protection Agency	NE	Not Established
FBG	Full Bunker Gear	NFPA	National Fire Protection Association
HAP	California Hazardous air pollutant Clean Air Act	NIOSH	National Institute for Occupational Safety and Health
HMIS-A	Safety Glasses	NTP	National Toxicology Program
HMIS-B	Safety glasses, gloves	OSHA	Occupational Safety and Health Administration
HMIS-C	Safety glasses, gloves, chemical apron	PEL	Permissible Exposure Limit (OSHA)
HMIS-D	Face shield, gloves, chemical apron	PP	California Priority Pollutant under the Clean Water Act
HMIS-E	Safety glasses, gloves, dust respirator	REL	Recommended exposure limit (NIOSH)
HMIS-F	Safety glasses, gloves, chemical apron, dust respirator	SARA	Superfund Amendments and Reauthorization Act
HMIS-G	Safety glasses, gloves, vapor respirator	STEL	Short Term Exposure Limit (15 minutes)
HMIS-H	Splash goggles, gloves, chemical apron, vapor respirator	TC Lo	Air concentration that is lethal to 50% of a given species in a given time
HMIS-I	Safety glasses, gloves, dust and vapor respirator	TD Lo	Lowest dose that is toxic to a given species
HMIS-J	Splash goggles, gloves, chemical apron, dust and vapor respirator	TLV	Threshold Limit Value (ACGIH)
HMIS-K	Air line hood or mask, gloves, full chemical suit, boots	TP	California Toxic Pollutant under the Clean Water Act
HMIS-X	Ask Supervisor	TSCA	Toxic Substances Control Act
HS	California Hazardous Substance under the Clean Water Act	TWA	Time Weighted Average (8 hours)
IARC	International Agency for Research on Cancer	UEL	Upper Explosive Limit
LC50	Air concentration that is lethal to 50% of a given species in a given time	WHMIS	Worker Hazardous Materials Information System (Canada)

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Supersedes Safety Data Sheet Dated