SAFETY DATA SHEET

SECTION 1) CHEMICAL PRODUCT AND MANUFACTURER'S IDENTIFICATION

Product ID: MIRA 550X

Product Name: MIRAPOXY SL COMP B

Revision Date: May 22, 2024
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Manufacturer's Name: Repcolite Paints, Inc.
Address: 473 West 17th Street Holland, MI, US, 49423
Emergency Phone: 800-535-5053
Information Phone Number: 616-396-1275
Fax: 616-396-9654

SECTION 2) HAZARDS IDENTIFICATION

Classification

Acute toxicity Dermal - Category 4

Acute toxicity Inhalation Vapor - Category 3

Acute toxicity Oral - Category 4

Reproductive Toxicity - Category 2

Serious Eye Damage - Category 1

Skin Corrosion - Category 1B

Skin Sensitizer - Category 1A

Acute aquatic toxicity - Category 1

Chronic aquatic toxicity - Category 1

Safety data sheet prepared in accordance to the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200) and the Canadian Workplace Hazardous Materials Information System (WHMIS).

Pictograms

Signal Word

Danger

Hazardous Statements - Health

H312 - Harmful in contact with skin

H331 - Toxic if inhaled

H302 - Harmful if swallowed

H361 - Suspected of damaging fertility or the unborn child

H314 - Causes severe skin burns and eye damage

H317 - May cause an allergic skin reaction

Hazardous Statements - Environmental

H410 - Very toxic to aquatic life with long lasting effects

Precautionary Statements - General

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.

Precautionary Statements - Prevention

P273 - Avoid release to the environment.

P280 - Wear protective gloves, protective clothing, eye protection/face protection.

P271 - Use only outdoors or in a well-ventilated area.

P264 - Wash thoroughly after handling.

P270 - Do not eat, drink or smoke when using this product.

P201 - Obtain special instructions before use.

P202 - Do not handle until all safety precautions have been read and understood.

P260 - Do not breathe dust/fume/gas/mist/vapors/spray.

P272 - Contaminated work clothing should not be allowed out of the workplace.

Precautionary Statements - Response

P391 - Collect spillage.

P302 + P352 - IF ON SKIN: Wash with plenty of water.

P312 - Call a POISON CENTER/doctor if you feel unwell.

P321 - For specific treatment see section 4.

P362 + P364 - Take off contaminated clothing. And wash it before reuse.

P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P301 + P312 - IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

P330 - Rinse mouth.

P308 + P313 - IF exposed or concerned: Get medical advice/attention.

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 - Immediately call a POISON CENTER or doctor.

P301 + P330 + P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

P363 - Wash contaminated clothing before reuse.

P333 + P313 - If skin irritation or a rash occurs: Get medical advice/attention.

Precautionary Statements - Storage

P403 + P233 - Store in a well-ventilated place. Keep container tightly closed.

P405 - Store locked up.

Precautionary Statements - Disposal

P501 - Dispose of contents/container to disposal recycling center. Under RCRA it is the responsibility of the user of the product to determine at the time of disposal whether the product meets RCRA criteria for hazardous waste. Waste management should be in full compliance with federal, state and local laws.

SECTION 3) COMPOSITION/INFORMATION ON INGREDIENTS

CAS	Chemical Name	% By Weight
0084852-15-3	4-NONYL PHENOL BRANCHED	29% - 48%
0000100-51-6	BENZYL ALCOHOL	21% - 35%

0001477-55-0	METHYLAMINE, M-PHENYLENE BIS	7% - 17%
0002855-13-2	ISOPHORONE DIAMINE	7% - 15%
0068609-08-5	Cyclohexanemethanamine, 5-amino-1,3,3-trimethyl-, reaction products with bisphenol A diglycidyl ether homopolymer	5% - 12%
0091672-41-2	Phenol, 2-nonyl-, branched	0.2% - 3%
0001323-65-5	DINONYLPHENOL	Trace

Specific chemical identity and/or exact percentage (concentration) of the composition has been withheld to protect confidentiality.

SECTION 4) FIRST-AID MEASURES

Inhalation

Remove source of exposure or move person to fresh air and keep comfortable for breathing.

IF exposed or concerned: Get medical advice/attention.

Eliminate all ignition sources if safe to do so.

Skin Contact

Take off immediately all contaminated clothing, shoes, and leather goods (e.g., watchbands, belts). Wash with plenty of lukewarm, gently flowing water for a duration of 30 minutes or until medical aid is available. Immediately call a POISON CENTER/doctor. Wash contaminated clothing before re-use or discard.

IF exposed or concerned: Get medical advice/attention.

Eye Contact

Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing for a duration of 30 minutes or until medical aid is available. Take care not to rinse contaminated water into the unaffected eye or onto the face. Immediately call a POISON CENTER/doctor.

IF exposed or concerned: Get medical advice/attention.

Ingestion

Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER. If vomiting occurs naturally, lie on your side, in the recovery position.

SECTION 5) FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Dry chemical, foam, or carbon dioxide is recommended. Water spray is recommended to cool or protect exposed materials or structures. Carbon dioxide can displace oxygen. Use caution when applying carbon dioxide in confined spaces. Simultaneous use of foam and water on the same surface is to be avoided as water destroys the foam.

Unsuitable Extinguishing Media

No data available.

Specific Hazards Arising from the Chemical

Vapor accumulations and spray mist may flash or explode if ignited.

Water should be used to cool containers to prevent pressure build up which could result in container rupture.

Precautions for Firefighters

Isolate immediate hazard area and keep unauthorized personnel out. Stop spill/release if it can be done safely. Move undamaged containers from immediate hazard area if it can be done safely. Water spray may be useful in minimizing or dispersing vapors and to protect personnel. Water may be ineffective but can be used to cool containers exposed to heat or flame. Caution should be exercised when using water or foam as frothing may occur, especially if sprayed into containers of hot, burning liquid.

Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

Special Protective Equipment

Wear protective pressure self-contained breathing apparatus (SCBA) and full turnout gear.

SECTION 6) ACCIDENTAL RELEASE MEASURES

Emergency Procedure

ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).
Do not touch or walk through spilled material.
Isolate hazard area and keep unnecessary people away. Remove all possible sources of ignition in the surrounding area. Notify authorities if any exposure to the general public or the environment occurs or is likely to occur.
If spilled material is cleaned up using a regulated solvent, the resulting waste mixture may be regulated.

Protective Equipment

Positive pressure, full-face piece self-contained breathing apparatus SCBA), or positive pressure supplied air respirator with escape SCBA (NIOSH approved).

Personal Precautions

Avoid breathing vapor. Avoid contact with skin, eye or clothing. Do not touch damaged containers or spilled materials unless wearing appropriate protective clothing.

Use explosive proof equipment.

Environmental Precautions

Stop spill/release if it can be done safely. Prevent spilled material from entering sewers, storm drains, other unauthorized drainage systems and natural waterways by using sand, earth, or other appropriate barriers.

Methods and Materials for Containment and Cleaning up

Dike area to contain spill.

Absorb spill with a non-flammable absorbant.

Place in closeable containers using non-sparking tools.

SECTION 7) HANDLING AND STORAGE

Ventilation Requirements

Use only with adequate ventilation to control air contaminants to their exposure limits. The use of local ventilation is recommended to control emissions near the source.

Storage Room Requirements

Keep container(s) tightly closed and properly labeled. Store in cool, dry, well-ventilated areas away from heat, direct sunlight, strong oxidizers and any incompatibilities. Store in approved containers and protect against physical damage. Keep containers securely sealed when not in use. Indoor storage should meet OSHA standards and appropriate fire codes. Containers that have been opened must be carefully resealed to prevent leakage. Empty containers retain residue and may be dangerous.
Use non-sparking ventilation systems, approved explosion-proof equipment and intrinsically safe electrical systems in areas where this product is used and stored.

Ground and bond containers and receiving equipment. Avoid static electricity by grounding.

Avoid storage or use near sparks, heat or flame.

General

Wash hands after use.
Do not get in eyes, on skin or on clothing.
Do not breathe vapors or mists.
Use good personal hygiene practices.
Eating, drinking and smoking in work areas is prohibited.
Remove contaminated clothing and protective equipment before entering eating areas.

Eyewash stations and showers should be available in areas where this material is used and stored.

SECTION 8) EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory protection

If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker, a respiratory protection program that meets or is equivalent to OSHA 29 CFR 1910.134 and ANSI Z88.2 should be followed. Check with respiratory protective equipment suppliers.

Eye protection

Wear eye protection with side shields or goggles. Wear indirect-vent, impact and splash resistant goggles when working with liquids. If additional protection is needed for entire face, use in combination with a face shield.

Skin Protection

Use of gloves approved to relevant standards made from the following materials may provide suitable chemical protection: PVC, neoprene or nitrile rubber gloves. Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact,

chemical resistance of glove material, glove thickness, dexterity. Always seek advice from glove suppliers. Contaminated gloves should be replaced. Use of an apron and over- boots of chemically impervious materials such as neoprene or nitrile rubber is recommended to avoid skin sensitization. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Launder soiled clothes or properly disposed of contaminated material, which cannot be decontaminated.

Appropriate Engineering Controls

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.

Chemical Name	OSHA TWA (ppm)	OSHA TWA (mg/m3)	OSHA STEL (ppm)	OSHA STEL (mg/m3)	OSHA Tables (Z1, Z2, Z3)	OSHA Carcinogen	OSHA Skin designation	ACGIH TWA (ppm)
METHYLAMINE, M-PHENYLENE BIS								

Chemical Name	ACGIH TWA (mg/m3)	ACGIH STEL (ppm)	ACGIH STEL (mg/m3)	ACGIH Carcinogen	ACGIH Notations	ACGIH TLV Basis
METHYLAMINE, M-PHENYLENE BIS			C 0.1		Skin	Eye, skin, GI irr

(C) - Ceiling limit, GI - Gastrointestinal, irr - Irritation

SECTION 9) PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

Density	8.24934 lb/gal
% Solids By Weight	61.41040%
% VOC	38.58960%
Density VOC	3.18339 lb/gal
VOC Regulatory	3.18339 lb/gal
VOC Regulatory	381.46600 g/l

Appearance	liquid
Odor Threshold	N/A
Odor Description	N/A
pH	N/A
Water Solubility	No Data Available
Flammability	N/A
Flash Point Symbol	N/A
Flash Point	N/A
Viscosity	N/A
Lower Explosion Level	N/A
Upper Explosion Level	N/A
Vapor Pressure	N/A
Vapor Density	N/A
Freezing Point	N/A
Melting Point	N/A
Low Boiling Point	N/A
High Boiling Point	N/A
Auto Ignition Temp	N/A
Decomposition Pt	N/A

Evaporation Rate	N/A
Coefficient Water/Oil	N/A

SECTION 10) STABILITY AND REACTIVITY

Chemical Stability

Stable.

Possibility of Hazardous Reactions/Polymerization

The chemical reaction that causes this product to cure releases heat, especially in closed mixing vessels.

Conditions To Avoid

Avoid excessive heat, sparks, flame and contact with incompatible materials.

Incompatible Materials

Strong oxidizers and acids.

Hazardous Decomposition Products

May produce fumes when heated to decomposition.

Fumes may contain carbon monoxide and oxides of nitrogen.

SECTION 11) TOXICOLOGICAL INFORMATION

Skin Corrosion/Irritation

Prolonged contact may produce temporary reddening of skin.

Prolonged or repeated exposure can cause moderate skin irritation, defatting and dermatitis.

Causes severe skin burns and eye damage

Serious Eye Damage/Irritation

Direct contact may cause eye irritation.

Eye contact will result in severe irritation, redness, tearing and blurred vision.

Causes serious eye damage

0000100-51-6 BENZYL ALCOHOL

Contact with eyes causes local irritation.

Respiratory/Skin Sensitization

May contain products the will irritate mucous membrane and respiratory tract.

Vapors are irritating to eyes, nose and throat.

Allergic responses may develop.

May cause an allergic skin reaction

Germ Cell Mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Risk of lung cancer depends on duration and level of exposure.

Reproductive Toxicity

Suspected of damaging fertility or the unborn child

Specific Target Organ Toxicity - Single Exposure

Based on available data, the classification criteria are not met.

Specific Target Organ Toxicity - Repeated Exposure

Reports have associated repeated & prolonged exposure to solvents with permanent brain & nervous system damage.

Chronic Exposure

Based on available data, the classification criteria are not met.

Aspiration Hazard

Based on available data, the classification criteria are not met.

Potential Health Effects - Miscellaneous

Based on available data, the classification criteria are not met.

Acute Toxicity

Excessive inhalation of vapors can cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea and headache.

Can cause gastrointestinal irritation, nausea, vomiting, and diarrhea.

Intentional misuse by deliberately concentrating & inhaling vapors of this product may be harmful or fatal.

Harmful in contact with skin

Toxic if inhaled

Harmful if swallowed

Likely Routes of Exposure

Inhalation, Ingestion, Skin contact, Eye contact

0000100-51-6 BENZYL ALCOHOL

The substance can be absorbed into the body by inhalation of its vapour and by ingestion.

Miscellaneous Health Effects

0000100-51-6 BENZYL ALCOHOL

Inhalation of vapor may cause irritation of upper respiratory tract. Prolonged or excessive inhalation may result in headache, nausea, vomiting, and diarrhea. In severe cases, respiratory stimulation followed by respiratory and muscular paralysis, convulsions, narcosis and death may result. Ingestion may produce severe irritation of the gastrointestinal tract, followed by nausea, vomiting, cramps and diarrhea; tissue ulceration may result.

0000100-51-6 BENZYL ALCOHOL

LC50(Inhalation, rat):>500 mg/m3; Toxic effects: Behavioral - somnolence (general depressed activity) Behavioral - ataxia Lungs, Thorax, or Respiration - respiratory depression; Reference: VCVGK* "Vrednie chemichescie veshestva, galogen I kislorod sodergashie organicheskie soedinenia". (Hazardous substances. Halogen and oxygen containing substances), Bandman A.L. et al., Chimia, 1994. Volume (issue)/page/year: -,132,1984

LD50(Dermal, rabbit): 2000 mg/kg; VCVGK* "Vrednie chemichescie veshestva, galogen I kislorod sodergashie organicheskie soedinenia". (Hazardous substances. Halogen and oxygen containing substances), Bandman A.L. et al., Chimia, 1994. Volume (issue)/page/year: -,132,1984

LD50(Oral, rat): 1230 mg/kg; Toxic effects: Behavioral - somnolence (general depressed activity) Behavioral - excitement Behavioral - coma

SECTION 12) ECOLOGICAL INFORMATION

Ecotoxicity

Very toxic to aquatic life.

Very toxic to aquatic life with long lasting effects.

Very toxic to aquatic life

Very toxic to aquatic life with long lasting effects

Persistence and Degradability

0000100-51-6 BENZYL ALCOHOL

Readily biodegradable.

Bioaccumulative Potential

0000100-51-6 BENZYL ALCOHOL

No potential for bioaccumulation.

Mobility in Soil

No data available.

Other Adverse Effects

No data available.

Results of the PBT and vPvB assessment

0000100-51-6 BENZYL ALCOHOL

The substance is not PBT / vPvB.

SECTION 13) DISPOSAL CONSIDERATIONS

Waste Disposal

Under RCRA it is the responsibility of the user of the product to determine at the time of disposal whether the product meets RCRA criteria for hazardous waste. Waste management should be in full compliance with federal, state and local laws.

Empty Containers retain product residue which may exhibit hazards of material, therefore do not pressurize, cut, glaze, weld or use for any other purposes. Return drums to reclamation centers for proper cleaning and reuse.

SECTION 14) TRANSPORT INFORMATION

	U.S. DOT Information	IMDG Information	IATA Information
UN number:	UN3066	UN3066	UN3066
Proper shipping name:	Paint	Paint	Paint
Hazard class:	8	8	8
Packaging group:	II	II	II
Hazardous substance (RQ):	No Data Available		
Marine Pollutant:	No Data Available	No Data Available	
Note / Special Provision:	No Data Available	No Data Available	No Data Available
Toxic-Inhalation Hazard:	No Data Available		

SECTION 15) REGULATORY INFORMATION

CAS	Chemical Name	% By Weight	Regulation List
0084852-15-3	4-NONYL PHENOL BRANCHED	29% - 48%	SARA313, SARA312, TSCA - Toxic Substances Control Act (TSCA)
0000100-51-6	BENZYL ALCOHOL	21% - 35%	SARA312, VOC, TSCA - Toxic Substances Control Act (TSCA)
0001477-55-0	METHYLAMINE, M-PHENYLENE BIS	7% - 17%	SARA312, TSCA - Toxic Substances Control Act (TSCA)
0002855-13-2	ISOPHORONE DIAMINE	7% - 15%	SARA312, VOC, TSCA - Toxic Substances Control Act (TSCA)
0068609-08-5	Cyclohexanemethanamine, 5-amino-1,3,3-trimethyl-, reaction products with bisphenol A diglycidyl ether homopolymer	5% - 12%	SARA312, TSCA - Toxic Substances Control Act (TSCA)
0091672-41-2	Phenol, 2-nonyl-, branched	0.2% - 3%	SARA312, TSCA - Toxic Substances Control Act (TSCA)
0001323-65-5	DINONYLPHENOL	Trace	SARA312, TSCA - Toxic Substances Control Act (TSCA)

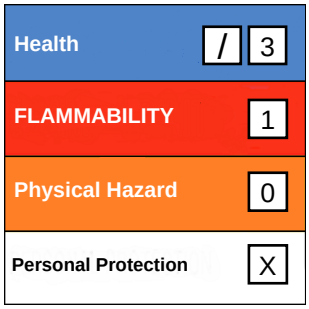
Product does not contain any chemicals listed under California Proposition 65

SECTION 16) OTHER INFORMATION

General

ACGIH- American Conference of Governmental Industrial Hygienists; ANSI- American National Standards Institute; Canadian TDG- Canadian Transportation of Dangerous Goods; CAS- Chemical Abstract Service; Chemtrec- Chemical Transportation Emergency Center (US); CHIP- Chemical Hazard Information and Packaging; DSL- Domestic Substances List; EC- Equivalent Concentration; EH40 (UK)- HSE Guidance Note EH40 Occupational Exposure Limits; EPCRA- Emergency Planning and Community Right-To-Know Act; ESL- Effects screening levels; HMIS- Hazardous Material Information Service; LC- Lethal Concentration; LD- Lethal Dose; NFPA- National Fire Protection Association; OEL- Occupational Exposure Limits; OSHA- Occupational Safety and Health Administration, US Department of Labor; PEL- Permissible Exposure Limit; SARA (Title III)- Superfund Amendments and Reauthorization Act; SARA 313- Superfund Amendments and Reauthorization Act, Section 313; SCBA- Self-Contained Breathing Apparatus; STEL- Short Term Exposure Limit; TCEQ- Texas Commission on Environmental Quality; TLV- Threshold Limit Value; TSCA- Toxic Substances Control Act Public Law 94-469; TWA- Time Weighted Value; US DOT- US Department of Transportation; WHMIS- Workplace Hazardous Materials Information System.

HMIS



(*) - Chronic effects

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks

Version 2.0:

Revision Date: May 22, 2024

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