



60-X5 SPRAYWAX SOLUTION

PRODUCT DESCRIPTION

Spraywax solution is a light duty, liquid wax release agent. It is formulated with natural waxes to reduce the tendency of fisheyes. It is fast drying, easy to apply and buffs to a high polish. It may be used to facilitate release or add a gleam to finished FRP parts and many other surfaces.

- QUICK, EASY RELEASE OF PARTS
- EASY APPLICATION AND BUFFING
- COST AND LABOR SAVINGS
- CONVENIENT HANDLING PROCEDURES SAVE TIME AND LABOR

SHAKE WELL BEFORE USING

TYPICAL PHYSICAL CHARACTERISTICS (all tests at 77° F.)

The shelf life and product specifications are listed for reference guide only. Certain batches will not conform exactly to the shelf life and product specifications because storage conditions, temperature change, age and testing equipment can each have a significant effect on the test results. *Products outside of this shelf life can perform acceptably.*

60-X5

Weight Per Gallon:	6.6 lbs/gal
Flash Point:	37° Fahrenheit
VOC (EPA Method 24):	711 grams/liter
Shelf Life:	One year from date of shipment

APPLICATION SUGGESTIONS

Spray wax solution is best applied by spraying evenly over the mold surface, work in with a clean rag, allow to dry and buff. It may also be applied by cloth. Apply a wet coat of Spraywax solution with a cloth. After a few moments of drying, a light haziness appears. Light buffing with soft toweling then produces a high gloss on the tooling or finished parts.

The data on this sheet represent typical values. Since application variables are a major factor in product performance, this information should serve only as a general guide. LILLY-RAM assumes no obligation or liability for use of this information. **UNLESS LILLY-RAM AGREES OTHERWISE IN WRITING, LILLY-RAM MAKES NO WARRANTIES, EXPRESS OR IMPLIED, AND DISCLAIMS ALL IMPLIED WARRANTIES INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR FREEDOM FROM PATENT INFRINGEMENT. LILLY-RAM WILL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES.** Your only remedy for any defect in this product is the replacement of the defective product, or a refund of its purchase price, at our option.



LILLY-RAM CHEMICAL COMPANY,LLC

Material Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identification

Product ID: 60X5
Product Name: SPRAY WAX 60-X5
Product Use: Paint product.
Print date: 10/Mar/2010
Revision Date: 10/Mar/2010

Company Identification

Lilly-Ram Chemical Company
P.O. Box 3337
Ontario, CA. 91761-9998

Manufacturer's Phone: 1-909-223-9699

24-Hour Medical Emergency Phone: 1-888-345-5732

2. HAZARDS IDENTIFICATION

Primary Routes of Exposure:

Inhalation
Ingestion
Skin absorption

Eye Contact:

- Moderate eye irritation

Skin Contact:

- Causes skin irritation.
- May cause defatting of the skin.

Ingestion:

- Irritation of the mouth, throat, and stomach.
- Aspiration hazard if swallowed - can enter lungs and cause damage.

Inhalation:

- Causes respiratory tract irritation.

Target Organ and Other Health Effects:

- Causes headache, drowsiness or other effects to the central nervous system.
- Kidney injury may occur.
- Liver injury may occur.

This product contains ingredients that may contribute to the following potential chronic health effects:

- Notice: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

3. COMPOSITION / INFORMATION ON HAZARDOUS INGREDIENTS

Ingredient Name CAS-No.	Approx. Weight %	Chemical Name
MINERAL SPIRITS, ODORLESS 64741-65-7	55 - 60	Naphtha (petroleum), heavy alkylate
NAPHTHA 64742-89-8	25 - 30	SOLVENT NAPHTHA, PETROLEUM, LIGHT ALIPH
PROPRIETARY ADDITIVE	1 - 5	PROPRIETARY ADDITIVE

If this section is blank there are no hazardous components per OSHA guidelines.

4. FIRST AID MEASURES**Eye Contact:**

Get medical attention, if symptoms develop or persist. Immediately flush eye(s) with plenty of water. Remove any contact lenses and open eyes wide apart.

Skin Contact:

Remove contaminated clothing and shoes. Wash off immediately with plenty of water for at least 15 minutes. Get medical attention, if symptoms develop or persist.

Ingestion:

Rinse mouth with water. Give one or two glasses of water. Only induce vomiting at the instruction of medical personnel. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. If vomiting occurs, keep head lower than hips to prevent aspiration. Get medical attention immediately.

Inhalation:

Move injured person into fresh air and keep person calm under observation. Get medical attention, if symptoms develop or persist.

Medical conditions aggravated by exposure:

Any respiratory or skin condition.

5. FIRE FIGHTING MEASURES

Flash point (Fahrenheit):	20
Flash point (Celsius):	-7
Lower explosive limit (%):	1
Upper explosive limit (%):	7
Autoignition temperature:	not determined
Sensitivity to impact:	no
Sensitivity to static discharge:	Subject to static discharge hazards. Please see bonding and grounding information in Section 7.

5. FIRE FIGHTING MEASURES

Hazardous combustion products:

See Section 10.

Unusual fire and explosion hazards:

None known.

Extinguishing media:

Carbon dioxide, dry chemical, foam and/or water fog.

Fire fighting procedures:

Firefighters should be equipped with self-contained breathing apparatus and turn out gear. Keep containers and surroundings cool with water spray.

6. ACCIDENTAL RELEASE MEASURES

Action to be taken if material is released or spilled:

Ventilate the area. Avoid breathing dust or vapor. Use self-containing breathing apparatus or airmask for large spills in a confined area. Wipe, scrape or soak up in an inert material and put in a container for disposal. See section 7, "Handling and Storage", for proper container and storage procedures. Remove all sources of ignition. Soak up with inert absorbent material. Use only non-sparking tools. Avoid contact with eyes.

7. HANDLING AND STORAGE

Precautions to be taken in handling and storage:

Keep away from heat, sparks and open flame. - No smoking. Keep container closed when not in use. Based on flash point and vapor pressure, suitable storage should be provided in accordance with OSHA regulation 1910.106, Ontario OH&S regulation 851 section 22. Empty containers may contain product residue, including flammable or explosive vapors. Do not cut, puncture or weld on or near container. All label warnings must be observed until the container has been commercially cleaned or reconditioned. If the product is used near or above the flashpoint, an ignition hazard may be present. Activities, uses, or operations which liberate vapor (such as mixing or free fall of liquids) may also present an ignition hazard. Please ensure containers and other interconnected equipment are properly bonded and grounded at all times. To maintain product quality, do not store in heat or direct sunlight. Do not store above 85 degrees F (29.4 degrees C).

8. PERSONAL PROTECTIVE EQUIPMENT AND EXPOSURE CONTROLS

Personal Protective Equipment

Eye and face protection:

Chemical goggles, also wear a face shield if splashing hazard exists.

Skin protection:

Appropriate chemical resistant gloves should be worn.

Other Personal Protection Data:

Usual industrial work clothes.

Respiratory protection:

If exposure cannot be controlled below applicable limits, use the appropriate NIOSH approved respirator such as an air purifying respirator with organic vapor cartridge and dust/mist filter. Consult the respirator manufacturer's literature to ensure that the respirator will provide adequate protection. Read and follow all respirator manufacturer's instructions.

Ventilation

Use only in well-ventilated areas. Ovens used for curing should contain a fresh air purge to prevent vapours from accumulating and creating a possible explosive mixture. Ensure adequate ventilation, especially in confined areas. Where the product is used in a hazardous classified area, use explosion-proof electrical/ventilating/lighting/equipment.

Exposure Guidelines

OSHA Permissible Exposure Limits (PEL's)

ACGIH Threshold Limit Value (TLV's)

Ingredient Name CAS-No.	Approx. Weight %	TWA	STEL	Ceiling limits	Skin designations
PROPRIETARY ADDITIVE	1 - 5	2 mg/m ³ TWA fume			

9. PHYSICAL PROPERTIES

Odor:	Normal for this product type.
Physical State:	liquid
pH:	not determined
Vapor pressure:	103 mmHg @ 100°F (37.78°C)
Vapor density (air = 1.0):	5.6
Boiling point:	not determined
Solubility in water:	not determined
Coefficient of water/oil distribution:	not determined
Density (lbs per US gallon):	6.3
Specific Gravity:	.76
Evaporation rate (butyl acetate = 1.0):	1.4
Flash point (Fahrenheit):	20
Flash point (Celsius):	-7
Lower explosive limit (%):	1
Upper explosive limit (%):	7
Autoignition temperature:	not determined

10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions.
Conditions to Avoid:	Heat.
Incompatibility:	Strong oxidizing agents
Hazardous Polymerization:	None anticipated.
Hazardous Decomposition Products:	Carbon monoxide and carbon dioxide.

Sensitivity to static discharge: Subject to static discharge hazards. Please see bonding and grounding information in Section 7.

11. TOXICOLOGICAL INFORMATION

Ingredient Name CAS-No.	Approx. Weight %	NIOSH - Selected LD50s and LC50s
MINERAL SPIRITS,ODORLESS 64741-65-7	55 - 60	> 2000 mg/kg Dermal LD50 Rabbit > 3000 mg/kg Dermal LD50 Rat > 5.04 mg/L Inhalation LC50 Rat 4 h > 7000 mg/kg Oral LD50 Rat
NAPHTHA 64742-89-8	25 - 30	= 3000 mg/kg Dermal LD50 Rabbit = 5000 mg/kg Oral LD50 Mouse
PROPRIETARY ADDITIVE	1 - 5	> 3600 mg/kg Dermal LD50 Rabbit > 3750 mg/kg Oral LD50 Rat

Mutagens/Teratogens/Carcinogens: None known.

12. ECOLOGICAL DATA

No information on ecology is available.

13. DISPOSAL CONSIDERATIONS

Disposal should be made in accordance with federal, state and local regulations.

14. TRANSPORTATION INFORMATION

U.S. Department of Transportation

UN ID Number (msds): UN1263
Proper Shipping Name: PAINT
Hazard Class: 3
Packing Group: II
Hazardous Ingredient (Land) 1: NAPHTHA
Hazardous Ingredient (Land) 2: MINERAL SPIRITS , ODORLESS

U.S. Highway & Rail Shipments

The supplier may apply one of the following exceptions: Combustible Liquid, Consumer Commodity, Limited Quantity, Viscous Liquid, Does Not Sustain Combustion, or others, as allowed under 49CFR Hazmat Regulations. Please consult 49CFR Subchapter C to ensure that subsequent shipments comply with these exceptions.

Reportable Quantity Description:

International Air Transport Association (IATA):

UN ID Number (msds): UN1263
Proper Shipping Name: Paint
Hazard Class: 3
Packing Group: II
IATA N.O.S. Technical Name 1: NAPHTHA
IATA N.O.S. Technical Name 2: MINERAL SPIRITS, ODORLESS

International Maritime Organization (IMO):

IMO UN/ID Number (msds): UN1263
Proper Shipping Name: PAINT
Hazard Class: 3
Packing Group: II
IMDG N.O.S. Technical Name 1: NAPHTHA
IMDG N.O.S. Technical Name 2: MINERAL SPIRITS, ODORLESS

15. REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS:

SARA 311/312 Hazard Class:

Acute: yes
Chronic: yes
Flammability: yes
Reactivity: no
Sudden Pressure: no

U.S. STATE REGULATIONS:

Right to Know:

The specific chemical identity of a component may be withheld as a trade secret under 34 Pennsylvania Code, Chapter 317.

Pennsylvania Right To Know:

MINERAL SPIRITS,ODORLESS	64741-65-7
NAPHTHA	64742-89-8
PROPRIETARY ADDITIVE	Trade Secret

Additional Non-Hazardous Materials

PROPRIETARY ADDITIVE	Trade Secret
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Rule 66 status of product Not photochemically reactive.

INTERNATIONAL REGULATIONS - Chemical Inventories**US TSCA Inventory:**

All components of this product are in compliance with U.S. TSCA Chemical Substance Inventory Requirements.

Canada Domestic Substances List:

All components of this product are listed on the Domestic Substances List.

16. OTHER INFORMATION**HMIS Codes**

Health:	2*
Flammability:	3
Reactivity:	1
PPE:	X - See Section 8 for Personal Protective Equipment (PPE).

Abbreviations:

OSHA - Occupational Safety and Health Administration, IARC - International Agency for Research on Cancer, NIOSH - National Institute of Occupational Safety and Health, NTP - National Toxicology Program, ACGIH - American Conference of Governmental Industrial Hygienists, SCAQMD - South Coast Air Quality Management District, TSCA - Toxic Substances Control Act, IATA - International Air Transport Association, IMO - International Maritime Organization, DOT - Department of Transportation, NA - Not applicable, NOT ESTAB - Not established, N.A.V. - Not available, RQ - Reportable quantity, WT - Weight, MG/CU M - Milligrams per cubic meter, G/L - Grams per liter, MM - Millimeters, MPPCF - Millions of particles per cubic foot, PPM - parts per million, PPT - parts per thousand, TCC/PM - Tag closed cup / Pensky-Martens, PB - Lead, PEL - Permissible exposure level, TWA - Time Weighted Average, STEL - Short term exposure limit, C - Celsius, F - Fahrenheit.

Disclaimer:

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Preparation Information:

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