

MATERIAL SAFETY DATA SHEET

I. PRODUCT INFORMATION

Trade Name: No. 54 S.E.X. TYPE WASH
Chemical names, common names: Solvent Blend
Manufacturer's Name: HURST GRAPHICS
Address: 2500 San Fernando Road, Los Angeles CA 90065
Business/Emergency Phone Number: (213) 223-4121

II. HAZARDOUS INGREDIENTS

Table with 4 columns: Chemical Names, CAS Numbers, Exposure Limits in Air (ACGIH (TWA)), and OSHA (TWA). Rows include VM & P NAPHTHA, TOLUENE, METHANOL, ACETONE, and ISOPROPANOL.

Section IIA: This product contains the following chemicals subject to the reporting requirements of SARA 313 and 40 CFR 372:

Table with 3 columns: LISTED INGREDIENTS, CAS NUMBER, and WEIGHT % RANGE. Rows include TOLUENE, METHANOL, and ACETONE.

III. PHYSICAL PROPERTIES

Vapor density (air = 1): 3.41
Solubility in water: 25%
Evaporation rate (Bu Ac = 1): 2.28
Appearance and odor: Clear liquid with solvent odor
Volatile Organic Content (VOC): 782 gm/l or 6.52 lb/gal
Specific Gravity: 0.78
Vapor Pressure, mmHg at 20°C: 85
Boiling Range °F: 133-300

IV. FIRE AND EXPLOSION

HAZARD RANKING

HMS Health Hazard=2\*
HAZARD Flammability=3
CLASS Reactivity=0
Other= G
0=Least
1=Slight
2=Moderate
3=High
4=Extreme
G= Safety glasses, gloves, organic vapor Respirator

\* Long Term Health Effect.

Flash Point°F: < 20
Flammable limits in air, volume%: lower 0.9 Upper 36
Fire extinguishing materials: N/A water spray Yes carbon dioxide Yes foam Yes dry chemical N/A other
Special firefighting procedures: Flashback along vapor trail may occur. This material is extremely flammable and may be ignited by heat, sparks, flame or static electricity.
Unusual fire and explosion hazards: The use of self-contained breathing apparatus is recommended for fire fighters. Water spray may be useful in minimizing vapors and cooling containers exposed to heat and flame. Avoid spreading burning liquid with water used for cooling purposes.

V. SYMPTOMS OF OVEREXPOSURE FOR EACH POTENTIAL ROUTE OF EXPOSURE

Inhaled: Irritation of nose and throat, signs of nervous system depression, dizziness, loss of coordination and fatigue, nausea, arrythmies, pulmonary edema, visual disturbances (including blindness), nausea and vomiting.
Contact with eyes: Severe eye irritant. Direct contact with the liquid, may cause stinging, tearing, redness, swelling and eye damage.
Absorbed through skin: Persons with pre-existing skin disorders may be more susceptible to the effects of this material.
Swallowed: Signs of nervous system depression, dizziness, loss of coordination, and fatigue abdominal pain, visual disturbance, (including blindness), convulsions, coma, death.

HEALTH EFFECTS OR RISKS FROM EXPOSURE -

Acute: Irritation of nose and throat, nervous system depression.

Chronic: Visual disturbances (including blindness, liver, kidney and brain damage).

FIRST AID: EMERGENCY PROCEDURES -

Eye contact: Move victim away from exposure to vapors and into fresh air, flush eyes with clean water for at least 20 minutes. Seek medical attention.

Skin contact: Remove contaminated clothing, cleanse affected areas, thoroughly by washing with mild soap and water. Seek medical attention.

Inhaled: Move victim away from source of exposure and into fresh air. If symptoms persist, seek immediate medical attention.

Swallowed: If victim is drowsy or unconscious, place on the left side with the head down and do not give anything by mouth. Seek emergency medical attention.

COMMENTS: Results of tests in workers exposed to high concentrations have shown that, Toluene, a component of this product, can cause irreversible changes in the genetic material (DNA) of a cell. This product has not been identified as a carcinogen or probable carcinogen by NTP, IARC or OSHA.

- Reports have associated repeated and prolonged occupational over-exposure to solvents with permanent brain and nervous system damage (sometimes referred to as solvent or painter's syndrome).

- Intentional misuse by deliberately concentrating or inhaling this product may be harmful or fatal.

MEDICAL CONDITION AGGRAVATED BY EXPOSURE:

RECOMMENDATIONS TO PHYSICIAN - Exposure to high concentrations of this material (e.g. in enclosed spaces or with deliberate abuse) may be associated with cardiac arrhythmias. Epinephrine and other sympathomimetic drugs may initiate cardiac arrhythmias in persons exposed to this material. Other drugs with less arrhythmogenic potential should be considered. If sympathomimetic drugs are administered, observe for the development of cardiac arrhythmias.

This product contains methanol which is metabolized to formaldehyde and formic acid. This in turn may cause metabolic acidosis, visual disturbances and blindness. Ethanol competes for the same metabolic pathway and has been used as an antidote. Methanol is effectively removed by hemodialysis.

VI. REACTIVITY DATA

Stability: Stable under ordinary conditions of use and storage.

Incompatibility (materials to avoid): This product forms combustible and/or explosive mixtures with air and/or oxygen. This product is incompatible with strong acids or bases oxidizing agents, selected Amines, Anhydride, Isocyanate, Acetaldehyde, chlorine, ethylene oxide, hydrogen peroxide, organometallic contaminants, Aluminum.

Hazardous decomposition products (including combustion products): Carbon monoxide and/or carbon dioxide.

Hazardous polymerization: Will not occur.

VII. SPILL, LEAK, AND DISPOSAL PROCEDURES

Spill response procedures: Stay upwind and away from spill. Keep all sources of ignition and hot metal surfaces away from spill. A universal type foam can be used to suppress vapors. Keep spill out of drains, sewers or waterways. Use sand to contain spill. Do not flash area with water. Call spill response team if large spill. Notify appropriate state/local agencies.

(Toluene) DOT/CERCLA Reportable quantity 6,567.09 BS.

Preparing wastes for disposal: Dispose of product in accordance with local, county, state, and federal regulations.

VIII. SPECIAL HANDLING INFORMATION

Ventilation and engineering controls: If current ventilation practices are not adequate to maintain airborne concentrations below established exposure limits, additional ventilation or exhaust systems may be required, where explosive mixtures may be present, electrical systems safe for such locations must be used.

Respiratory Protection: Depending on the airborne concentration, use a respirator or gas mask with appropriate cartridges and canisters (NIOSH approved, if available).

Protection: Approved eye protection to safeguard against potential eye contact, irritation or injury is recommended.

Gloves: The use of gloves impermeable to the specific material handled is advised to prevent skin contact and possible irritation.

Other clothing and equipment: It is suggested that a source of clean water be available in the work area for flushing eyes and skin. Impervious clothing should be worn as needed.

Work practices, hygienic practices: Practice personal cleanliness by prompt removal of solvent in contact with skin. Train all employees on special handling procedures prior to working with this product.

OTHER HANDLING AND STORAGE REQUIREMENTS: Keep containers tightly closed. Keep containers cool, dry and away from sources of ignition. Use and store this product with adequate ventilation. Avoid inhalation of vapors and personal contact with the product. Use good personal hygiene practice. "Empty" containers retain residue (liquid and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind or expose such containers to heat, flame, sparks or other sources of ignition; they may explode and cause injury or death. "Empty" drums should be completely drained, properly bunged and promptly shipped to the supplier or a drum reconditioner. All other containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.

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DATE PREPARED: SEPTEMBER, 1989

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