

MATERIAL SAFETY DATA SHEET



THE SHERWIN-WILLIAMS CO.
101 PROSPECT AVE. N.W.
CLEVELAND, OH 44115

EMERGENCY TELEPHONE NO. (216) 566-2917
INFORMATION TELEPHONE NO. (216) 566-2902
DATE OF PREPARATION 8-MAR-96

©1996, The Sherwin-Williams Co.

Reducers

SOL/2

| SECTION II | | | | | | Toluene (Toluol) R2 K 1 | Xylene (Xylol) R2 K 4 | High Flash Naphtha - 100 R2 K 5 R7 K 100 | High Flash Naphtha - 150 R2 K 7 | Acrylic Enamel Reducer Standard R4 K 35 | Warm Weather R4 K 36 | | |
|---|---|------------------------|-----------------------|------------|------------------------------|---|-----------------------------|--|---------------------------------------|---|----------------------------------|-----------|-----------|
| CAS No. | HAZARDOUS INGREDIENT (percent by weight) | ACGIH TLV <STEL> | OSHA PEL <STEL> | Units | Vapor Pressure (mm Hg) | 154-2364 154-8668 | 154-2372 | 154-2380 154-8684 | 154-2398 | 154-4576 154-4584 154-8767 | 154-4592 154-4600 154-8809 | | |
| 64742-89-8 | Lt. Aliphatic Hydrocarbon Solvent. | 100 | 100 | PPM | 53.0 | | | | | | | 29 | |
| 108-88-3 | [§] Toluene. | 50 | 100 <150> | PPM (Skin) | 22.0 | 100 | | | | | | 38 | 29 |
| 100-41-4 | [§] Ethylbenzene | 100 | 100 <125> | PPM | 7.1 | | | 15 | | 1 | | | 7 |
| 1330-20-7 | [§] Xylene. | 100 | 100 <150> | PPM | 5.9 | | | 85 | | 5 | | 5 | 42 |
| 64742-95-6 | Light Aromatic Hydrocarbons. | Not Established | | | 3.8 | | | | | 22 | | | |
| 98-82-8 | [§] Cumene. | 50 | 50 | PPM (Skin) | 10.0 | | | | | 5 | | | |
| 108-87-8 | 1,3,5-Trimethylbenzene | 25 | 25 | PPM | 10.0 | | | | | 27 | 1 | | |
| 95-63-8 | [§] 1,2,4-Trimethylbenzene | 25 | 25 | PPM | 2.0 | | | | | 40 | 2 | | |
| 64742-94-5 | Med. Aromatic Hydrocarbons. | Not Established | | | 0.1 | | | | | | 84 | | |
| 91-20-3 | [§] Naphthalene | 10 | 10 <15> | PPM | 1.0 | Numbers in Boxes Are Percent By Weight | | | | | | 13 | |
| 111-76-2 | [§] 2-Butoxyethanol | 25 | 25 | PPM (Skin) | 0.6 | | | | | | | 6 | |
| 67-64-1 | Acetone. | 750 | 750 <1000> | PPM | 180.0 | | | | | | | 15 | |
| 78-93-3 | [§] Methyl Ethyl Ketone. | 200 | 200 <300> | PPM | 70.0 | | | | | | | | 4 |
| 112-07-2 | [§] 2-Butoxyethyl Acetate. | Not Established | | | 1.0 | | | | | | | 3 | 16 |
| Weight per Gallon (lbs.) | | | | | | 7.18 | | 7.17 | | 7.24 | 7.40 | 6.76 | 7.25 |
| VOC (Volatile Organic Compounds) Total - lbs./gal. | | | | | | 7.18 | | 7.17 | | 7.24 | 7.40 | 5.71 | 7.25 |
| VOC Less Federally Exempt Solvents - lbs./gal. | | | | | | 7.18 | | 7.17 | | 7.24 | 7.40 | 6.76 | 7.25 |
| Photochemically Reactive | | | | | | Yes | | Yes | | Yes | Yes | Yes | Yes |
| Flash Point (°F) / DOL Storage Category | | | | | | 40 / 1B | | 80 / 1C | | 105 / 2 | 140 / 3A | 10 / 1B | 10 / 1B |
| Flammability Classification (Flammable - Combustible) | | | | | | Flammable | | Flammable | | Combustible | Combustible | Flammable | Flammable |
| HMIS (NFPA) Rating (health - flammability - reactivity) | | | | | | 2 3 0 | | 2 3 0 | | 3 2 0 | 3 2 0 | 2 3 0 | 2 3 0 |

[§] Ingredient subject to the reporting requirements of the Superfund Amendments and Reauthorization Act (SARA) Section 313, 40 CFR 372.65 C

Section III — PHYSICAL DATA

| | |
|-------------------------------------|---|
| PRODUCT WEIGHT - See TABLE | EVAPORATION RATE - Slower than Ether |
| SPECIFIC GRAVITY - 0.81-0.89 | VAPOR DENSITY - Heavier than Air |
| BOILING RANGE - 132-425 °F | MELTING POINT - N.A. |
| VOLATILE VOLUME - 100 % | SOLUBILITY IN WATER - N.A. |

Section IV — FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION **FLASH POINT** See TABLE **LEL** 0.5 **UEL** 12.8
See TABLE

EXTINGUISHING MEDIA

Carbon Dioxide, Dry Chemical, Foam

UNUSUAL FIRE AND EXPLOSION HAZARDS

Keep containers tightly closed. Isolate from heat, electrical equipment, sparks, and open flame. Closed containers may explode when exposed to extreme heat. Application to hot surfaces requires special precautions. During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

SPECIAL FIRE FIGHTING PROCEDURES

Full protective equipment including self-contained breathing apparatus should be used. Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

Section V — HEALTH HAZARD DATA

ROUTES OF EXPOSURE

Exposure may be by INHALATION and/or SKIN or EYE contact, depending on conditions of use. Alcohols in R4K35 Acrylic Enamel Reducer can be absorbed through the skin.

To minimize exposure, follow recommendations for proper use, ventilation, and personal protective equipment.

ACUTE Health Hazards

EFFECTS OF OVEREXPOSURE

Irritation of eyes, skin and respiratory system. May cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists.

Redness and itching or burning sensation may indicate eye or excessive skin exposure.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

None generally recognized.

EMERGENCY AND FIRST AID PROCEDURES

If INHALED: If affected, remove from exposure. Restore breathing. Keep warm and quiet.

If on SKIN: Wash affected area thoroughly with soap and water.

Remove contaminated clothing and laundry before re-use.

If in EYES: Flush eyes with large amounts of water for 15 minutes. Get medical attention.

If SWALLOWED: Never give anything by mouth to an unconscious person. DO NOT INDUCE VOMITING. Give several glasses of water. Seek medical attention.

CHRONIC Health Hazards

No ingredient in these products is an IARC, NTP or OSHA listed carcinogen.

Methyl Ethyl Ketone may increase the nervous system effects of other solvents.

Prolonged overexposure to solvent ingredients in Section II may cause adverse effects to the liver, urinary, and reproductive systems. Prolonged overexposure to solvent ingredients in R2K1 Toluene, R4K35 Acrylic Enamel Reducer, and R4K36 Acrylic Enamel Reducer may cause adverse effects to the cardiovascular and reproductive systems.

Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Section VI — REACTIVITY DATA

STABILITY - Stable
CONDITIONS TO AVOID

None known.

INCOMPATIBILITY

None known.

HAZARDOUS DECOMPOSITION PRODUCTS

By fire: Carbon Dioxide, Carbon Monoxide

HAZARDOUS POLYMERIZATION - Will Not Occur

Section VII — SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Remove all sources of ignition. Ventilate and remove with inert absorbent.

WASTE DISPOSAL METHOD

Waste from these products may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers. Waste from products containing Methyl Ethyl Ketone may also require testing for extractability.

Incinerate in approved facility. Do not incinerate closed container. Dispose of in accordance with Federal, State, and Local regulations regarding pollution.

Section VIII — PROTECTION INFORMATION

PRECAUTIONS TO BE TAKEN IN USE

Use only with adequate ventilation. Avoid breathing vapor and spray mist. Avoid contact with skin and eyes. Wash hands after using.

VENTILATION

Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section II is maintained below applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

RESPIRATORY PROTECTION

If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section II.

PROTECTIVE GLOVES

Wear gloves which are recommended by glove supplier for protection against materials in Section II.

EYE PROTECTION

Wear safety spectacles with unperforated side shields.

Section IX — PRECAUTIONS

DOL STORAGE CATEGORY - See TABLE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Keep away from heat, sparks, and open flame. Vapors will accumulate readily and may ignite explosively.

During use and until all vapors are gone: Keep area ventilated - Do not smoke - Extinguish all flames, pilot lights, and heaters - Turn off stoves, electric tools and appliances, and any other sources of ignition.

Consult NFPA Code. Use approved Bonding and Grounding procedures.

Keep container closed when not in use. Transfer only to approved containers with complete and appropriate labeling. Do not take internally. Keep out of the reach of children.

OTHER PRECAUTIONS

Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

Section X — OTHER REGULATORY INFORMATION

CALIFORNIA PROPOSITION 65

WARNING: These products, except for R2K5 & R7K100 High Flash Naphtha - 150, contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

The above information pertains to these products as currently formulated, and is based on the information available at this time. Addition of additives or other coatings materials to these products may substantially alter the composition and hazards of the products. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.