

Material Safety Data Sheet

Speedo UV Headlight Sanding Solution

SMR-705

Date of Revision: 08/04

Section 1 - Chemical Product and Company Identification

Product/Chemical Name: Speedo UV Headlight Sanding Solution

Rubber-Seal Product Number: SMR-705

Other Designations: Sanding Solution

Manufacturer: Speedokote LLC., 5701 N. Webster St., Dayton, Oh 45414,
Phone (937)280-0091, FAX (937)280-0092 (8:00 a.m. to 4:30 p.m.), Emergency Number: (800-424-9300).

Section 2 - Composition / Information on Ingredients

Ingredient Name		CAS Number		% wt or % vol	
Propane/Isobutane/n-Butane		68476-86-8		10	
2-Propanone		67-64-1		5	
Isopropyl Alcohol		67-63-0		5	
2-Butoxyethanol		111-76-2		5	
		OSHA PEL		ACGIH TLV	
Ingredient		TWA	STEL	TWA	STEL
Propane/Isobutane /n-Butane		800 ppm	none estab.	800 ppm	none estab.
2-Propanone		750 ppm	none estab.	750 ppm	1000 ppm
Isopropyl Alcohol		400 ppm	none estab..	500 ppm	none estab.
2-Butoxyethanol		25 ppm skin	50 ppm skin	25 ppm skin	none estab
				NIOSH REL	
				TWA	STEL
				none estab.	none estab.
				NIOSH IDLH	
				none estab.	

Section 3 - Hazards Identification

☆☆☆☆☆ Emergency Overview ☆☆☆☆☆

Vapors irritating to eyes and respiratory tract. Vapors may cause flash fire or explosion.

HMIS

H 2
F 4
R 0

PPE F

See Sect. 8

Potential Health Effects

Primary Entry Routes: Skin Absorption, Inhalation, Ingestion, Eye Contact

Target Organs: Nervous System Damage, Lung Damage, Kidney Damage

Effects of Overexposure: Note: Effects of contact or inhalation may be delayed

Inhalation: Irritation of the upper respiratory system. Headaches, dizziness, nausea, decreased blood pressure, changes in heart rate and cyanosis may result from over-exposure to vapor or skin exposure. Prolonged inhalation may be harmful.

Eye: Liquid, aerosols and vapors of this product are irritating and can cause pain, tearing, reddening and swelling accompanied by a stinging sensation and/or a feeling like that of fine dust in the eyes.

Skin: Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

Ingestion: This material may be harmful or fatal if swallowed. Corrosive and may cause severe and permanent damage to mouth, throat and stomach.

Carcinogenicity: IARC, NTP, and OSHA do not list this product as a carcinogen.

Chronic Effects: Overexposure may cause nervous system damage. Overexposure may cause lung damage. Overexposure may cause kidney damage.

Section 4 - First Aid Measures

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

Eye Contact: Immediately flush eyes with plenty of water for 15 minutes. Get medical attention, if irritation persists.

Skin Contact: Immediately flush skin with plenty of water. Remove clothing. Get medical attention immediately. Wash clothing separately before reuse.

Ingestion: Get medical attention immediately. If swallowed, do not induce vomiting. Give victim a glass of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

After first aid, get appropriate in-plant, paramedic, or community medical support.

Section 5 - Fire-Fighting Measures

Flash Point: -156 °F

Flash Point Method: Pensky-Martens CC

Burning Rate: NE

Auto ignition Temperature: ND

LEL: 1.1 % v/v

UEL: 12.8 % v/v

Extinguishing Media: CO₂, Dry Chemical, Foam, Water Fog

Unusual Fire or Explosion Hazards: Vapors can travel to a source of ignition and flash back. "Empty" containers retain product 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, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioner, or properly disposed of.

Fire-Fighting Instructions: Do not release runoff from fire control methods to sewers or waterways.

Fire-Fighting Equipment: Containers can build up pressure if exposed to heat (fire). As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear.

Section 6 - Accidental Release Measures

Spill /Leak Procedures: Absorb with inert material (e.g. dry sand or earth), then place in a chemical waste container. Remove all sources of ignition. Ventilate the area.

Containment: For large spills, dike far ahead of liquid spill for later disposal. Do not release into sewers or waterways.

Regulatory Requirements: Follow applicable OSHA regulations (29 CFR 1910.120).

Section 7 - Handling and Storage

Handling Precautions: Wash thoroughly after handling.

Storage Requirements: Keep away from heat, sparks and flame. Vapors will accumulate readily and may ignite explosively. Keep from freezing.

Section 8 - Exposure Controls / Personal Protection

Engineering Controls:

Ventilation: Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs (Sec. 2). Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

Administrative Controls:

Respiratory Protection: Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear a MSHA/NIOSH-approved respirator. Select respirator based on its suitability to provide adequate worker protection for given working conditions, level of airborne contamination, and presence of sufficient oxygen. For emergency or non-routine operations (cleaning spills, reactor vessels, or storage tanks), wear an SCBA.

Warning! Air-purifying respirators do not protect workers in oxygen-deficient atmospheres. If respirators are used, OSHA requires a written respiratory protection program that includes at least: medical certification, training, fit-testing, periodic environmental monitoring, maintenance, inspection, cleaning, and convenient, sanitary storage areas.

Protective Clothing/Equipment: Wear chemically protective gloves, boots, aprons, and gauntlets to prevent prolonged or repeated skin contact. Wear protective eyeglasses or chemical safety goggles, per OSHA eye- and face-protection regulations (29 CFR 1910.133). Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.

Safety Stations: Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

Contaminated Equipment: Separate contaminated work clothes from street clothes. Launder before reuse. Remove this material from your shoes and clean personal protective equipment.

Comments: Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

Section 9 - Physical and Chemical Properties

Physical State: Liquid

Appearance and Odor: Light Yellow & Bouquet Odor

Odor Threshold: ND

Vapor Pressure: 30 - 40

Vapor Density (Air=1): Heavier than air

Density: 7.73 lb/gal

Specific Gravity (H₂O=1, at 4 °C): 0.9282

pH @100%: 10

Water Solubility: Complete

Other Solubilities: ND

Boiling Point: -43 – 340 °F

Freezing/Melting Point: 32°F

Viscosity: NA

Refractive Index: ND

% Volatile: ND

Evaporation Rate: Faster than Butyl Acetate

Section 10 - Stability and Reactivity

Stability: This product is stable at room temperature in closed containers under normal storage and handling conditions.

Polymerization: Hazardous polymerization cannot occur.

Chemical Incompatibilities: Strong Acids, Alkalis, Oxidizers, and Amines.

Conditions to Avoid: All sources of ignition, welding arcs, and open flames.

Hazardous Decomposition Products: Oxides of carbon, oxides of nitrogen, and may produce forms of chloride, chlorine, and phosgene.

Section 11- Toxicological Information

Toxicity Data:

	<u>LD50</u>	<u>LC50</u>
Water:	>90 ml/kg/rat	Not Available
Propane/Isobutane/N-Butane:	Not Available	57 pph/15m/rat
2-Propanone:	5800 mg/m3/rat	50100mg/m3/8h/rat
Toluene:	636 mg/kg/rat	49 gm/m3/4h/rat
Isopropyl Alcohol:	5045 mg/kg/rat	16000 ppm/8h/rat
2-Butoxyethanol:	470 mg/kg/rat	450 ppm/4h/rat
Ammonium Hydroxide:	350 mg/kg/rat	Low 43 mg/kg/human
Tap Water:	>90 ml/kg/rat	Not Available
Flowery Fragrance:	Not Available	Not Available
No Chemical Name Found:	Not Available	42 gm/m3/1h/ra
Sodium Chloride:	3 gm/kg/rat	Not Available

Section 12 - Ecological Information

Ecotoxicity: ND

Environmental Fate: ND

Environmental Degradation: ND

Soil Absorption/Mobility: ND

Section 13 - Disposal Considerations

Disposal: Contact your supplier or a licensed contractor for detailed recommendations. Follow applicable Federal, state, and local regulations.

Section 14 - Transport Information

DOT Transportation Data (49 CFR 172.101):

Shipping Name: Aerosol – Consumer Commodity

Hazard Class: 2.1

DOT UN/NA #.: UN1950

Packing Group: NA

Label: ORM-D, Flammable

Section 15 - Regulatory Information

U.S. Federal Regulations:

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200)

CERCLA-SARA Hazard Category:

This product has been reviewed according to the EPA “Hazard Categories” promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

IMMEDIATE HEALTH HAZARD, CHRONIC HEALTH HAZARD, FIRE HAZARD, REACTION HAZARD, PRESSURIZED GAS HAZARD

SARA 313: This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

2-Butoxyethanol	111-76-2	5%
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Toxic Substances Control Act:

This product contains the following chemical substances subject to the reporting requirements of TSCA 12 (B) if exported from the United States:

No information is available

U.S. State Regulations: As Follows:

California Proposition 65:

Warning: The chemical noted below and contained in this product, is known to the state of California to cause cancer, birth defects or other reproductive harm:

No Proposition 65 chemicals exist in this product.

Section 16 - Other Information

Revision Notes: This revision includes updated regulatory and additional hazard rating information.

Additional Hazard Rating Systems: VOC: 0.95 lbs/gal, 114 grams/ltr

California VOC Information: . California VOC Weight % Limit = 12%
Product Category: Glass Cleaner

Disclaimer: Do not handle until the manufacturer’s safety precautions have been read and understood. Regulations require that all employees be trained on Material Safety Data Sheets for all products with which they come in contact. While we believe that the data contained herein is accurate and derived from qualified sources, the data are not to be taken as warranty or representation for which we assume legal responsibility. They are offered solely for your consideration, investigation, and verification. Any use of these data and information must be determined by the user to be in accordance with applicable federal, state, provincial and local laws and regulations.