

Product Description:  
HEADLIGHT RENEW DOCTOR  
UVRAY PROTECTIVE SEALANT

MATERIAL SAFETY DATA SHEET

SECTION 1: MANUFACTURER IDENTIFICATION

FORMULA # 30A028N45B  
Chemtrec 24-hour Emergency Phone: (800) 424-9300  
Chemtrec Foreign Emergency Phone: (703) 527-3887  
Product Information Phone Number: (262) 251-6180

DATE MSDS PRINTED & REVIEWED: 03/06/13  
LAST FORMULA REVISION DATE: 05/08/12

MANUFACTURED FOR: (M3140)  
HEADLIGHT RENEW DOCTOR  
RINGGOLD, GA 30736

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

#	COMPONENT	CAS#	% by WT.	SARA 313	LISTED CARCINOGEN BY:		
				LISTED	NTP	IARC	OSHA
1	ACETONE	67-64-1	40-51	N	N	N	N
2	PROPANE	74-98-6	15-21	N	N	N	N
3	N-BUTYL ACETATE	123-86-4	10-16	N	N	N	N
4	N-BUTANE	106-97-8	5-8	N	N	N	N
5	ETHYL ACETATE	141-78-6	1-3	N	N	N	N
6	ETHYL ESTER	763-69-9	1-3	N	N	N	N

SECTION 3: HAZARDS IDENTIFICATION

Emergency Overview: DANGER! Extremely Flammable. Contents Under Pressure.

APPEARANCE/ODOR: Liquid Spray Mist / Solvent Odor

POTENTIAL HEALTH EFFECTS: See Section 11 for more information.

LIKELY ROUTES OF EXPOSURE: Eye contact, skin contact, ingestion, and inhalation  
EYE: Contact may cause redness, irritation, tearing, and blurred vision  
SKIN: Contact may dry skin causing cracks and irritation  
INGESTION: May be harmful if swallowed  
INHALATION: Exposure to high concentrations of vapors may cause drowsiness, breathing difficulty, respiratory irritation, or headaches. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

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MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:  
Asthma and other respiratory ailments.  
TARGET ORGANS: Kidney Liver Lung Brain

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

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

SECTION 4: FIRST AID MEASURES

EYE CONTACT: Immediately flush eyes with water for at least 15 minutes. If irritation develops get medical attention.  
SKIN CONTACT: Remove contaminated clothing and wash before reuse. Wash skin with soap and water. Get medical attention if irritation develops.  
INHALATION: Move to fresh air. Contact emergency medical support if breathing stops or is irregular.  
INGESTION: Do NOT induce vomiting. Get medical attention immediately.

SECTION 5: FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: CO2 (Carbon Dioxide), dry chemical, or water fog.  
UNSUITABLE EXTINGUISHING MEDIA: Water spray may be unsuitable. However, if water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible explosion when exposed to extreme heat.  
PRODUCTS OF COMBUSTION: These products are carbon oxides (CO,CO2).  
PROTECTION OF FIREFIGHTERS: Full protective equipment including self-contained breathing apparatus should be used.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Use personal protection recommended in Section 8.  
ENVIRONMENTAL PRECAUTIONS: None known.

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METHODS OF CONTAINMENT: Absorb spilled liquid in suitable material.  
METHODS OF CLEAN-UP: Use spark-proof tools to sweep or scrape up and containerize.  
OTHER INFORMATION: Ventilate the area.

SECTION 7: HANDLING AND STORAGE

HANDLING:

Vapors may ignite explosively. Prevent buildup of vapors; use with adequate ventilation. Keep from sparks, heat, flame or other heat sources. Do not smoke. Turn off pilot lights, heaters, electric motors and other sources of ignition during use and until all vapors are gone. Do not puncture or incinerate (burn) container.

STORAGE:

Store in dry, well-ventilated area and in accordance with federal, state, and local regulations. Do not expose to heat or store at temperatures above 120 F (48 C). Storage conditions should comply with NFPA 30B and OSHA 1910.106. If storing in cold temperatures, allow product to warm to room temperature before use.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE GUIDELINES

#	COMPONENT	ACGIH TLV-STEL	ACGIH TLV-TWA	OSHA PEL-TWA
1	ACETONE	750 ppm	500 ppm	1000 ppm
2	PROPANE	1800 ppm	2500 ppm	1000 ppm
3	N-BUTYL ACETATE	200 ppm	150 ppm	150 ppm
4	N-BUTANE	N/E	800 ppm	800 ppm
5	ETHYL ACETATE	N/E	400 ppm	400 ppm
6	ETHYL ESTER	100 ppm	50 ppm	N/E

ENGINEERING CONTROLS: Provide adequate ventilation to keep air contamination below OSHA permissible exposure limits and ACGIH TLV exposure levels.

EYE/FACE PROTECTION: Wear safety glasses with side shields. Have eye wash facilities immediately available.

SKIN PROTECTION: Chemical resistant gloves if contact is likely.

RESPIRATORY PROTECTION: Use NIOSH-approved air-purifying respirator with organic cartridge or canister if exposure cannot be controlled within applicable limits with ventilation.

GENERAL HYGIENE CONSIDERATIONS: Wash thoroughly after handling.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Color: see product description  
Odor: Solvent Odor  
Physical State: Aerosol - Pressurized Liquid  
Freezing Point: Not Established (mixture)  
Boiling Range: N.A. (Pressurized Mixture)  
Flash Point: <-18C (-0.4F) c.c.  
Evaporation Rate: Faster than ether  
Upper Flammability Limit: Not Established (mixture)  
Lower Flammability Limit: Not Established (mixture)  
Vapor Pressure: Approximately 50 psig @ 10 C (70 F)  
Specific Gravity: 0.749 @15 C (60 F)  
Solubility (water): Negligible  
VOC Percent by weight: 42.47  
HAPS Percent by weight: 0  
MIR Number (EPA and CA): 0.606  
Coating Category (EPA and CA): CLEAR COATING

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable under normal conditions.

CONDITIONS TO AVOID: Keep away from heat, sparks, and flames.

INCOMPATIBLE MATERIALS: Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: by fire - Carbon Dioxide and Carbon Monoxide

POSSIBILITY OF HAZARDOUS REACTIONS: Will not occur.

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SECTION 11: TOXICOLOGICAL INFORMATION

#	COMPONENT	LD50 Oral	LD50 Dermal
1	ACETONE	1000 mg/kg	2400 mg/kg
2	PROPANE	1000 mg/kg	1800 mg/kg
3	N-BUTYL ACETATE	10768 mg/kg	17601 mg/kg
4	N-BUTANE	N/E	N/E
5	ETHYL ACETATE	5620 mg/kg	20 ml/kg mg/kg
6	ETHYL ESTER	5000 mg/kg	10000 mg/kg

See section 3 for other acute effect information.

CHRONIC EFFECTS: Prolonged over-exposure to solvent ingredients in Section 2 may cause adverse effects to the liver, urinary, cardiovascular and reproductive systems. Reports have associated the repeated and prolonged occupational OVER-EXPOSURE to solvents with brain and nervous system damage. The deliberate misuse by concentrating and inhaling the vapors may be harmful or fatal.

CARCINOGENICITY: See Section 2 for additional information.

SECTION 12: ECOLOGICAL INFORMATION

No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

Do not puncture, incinerate or place container in trash compactor. Dispose of product in accordance with Federal, State, and Local regulations. Empty containers are 95% steel; recycle where allowed.

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SECTION 14: TRANSPORTATION INFORMATION

GROUND (D.O.T./49 CFR):

I.D. Number: UN1950  
Proper Shipping Name: AEROSOLS, FLAMMABLE  
Hazard Class: 2.1  
Packing Group: - (not applicable)  
Hazard Label: Limited Quantity (LTD QTY) label -- see 49 CFR 172.315  
Shipping Papers format: UN1950, AEROSOLS, FLAMMABLE, 2.1, LTD QTY

AIR (IATA)

I.D. Number: UN1950  
Proper Shipping Name: AEROSOLS, FLAMMABLE  
Hazard Class: 2.1  
Packing Group: - (not applicable)  
Hazard Labels: LTD QTY label with "Y" in it, and Flammable Gas label  
Packing Instruction (P.I.): \*\*Y203 if not shipping in UN-certified box\*\*  
\*\*NOTE: If shipping in UN-certified box, use P.I. 203 and no LTD QTY label is needed  
Shipping Papers format: UN1950, AEROSOLS, FLAMMABLE, 2.1

WATER (IMDG)

I.D. Number: UN1950  
Proper Shipping Name: AEROSOLS  
Hazard Class: 2.1  
Hazard Label: LTD QTY label (see IMDG 3.4.5.1)  
Packing Instruction: P003  
EmS: F-D, S-U  
Stowage and Segregation: Category A  
Shipping Papers format: UN1950, AEROSOLS, 2.1, (-18 C c.c.), LTD QTY  
No component of this product is a listed Marine Pollutant (49 CFR 172,101,Appendix B).

SECTION 15: REGULATORY INFORMATION

International Chemical Inventory

All components of this product are listed on or exempt from the following inventories:  
TSCA (United States), DSL (Canada), AICS (Australia), IECSC (China)

Section 313 Toxic Chemicals; See Section 2. Chemicals marked with a "Y" are subject to the SARA reporting requirements under 40 cfr 372.45(c) (5).

SECTION 16: OTHER INFORMATION

Hazard Scale: 0=minimal, 1=slight, 2=moderate, 3-serious, 4=severe  
HMIS(American Coatings Association's Hazardous Material Identification System):  
Health = 2 Flammability = 4 Physical Hazard = 1  
NFPA 704(National Fire Protection Association's Hazard Identification ratings system):  
Health = 2 Flammability = 4 Instability = 1

This MSDS is based on information believed to be reliable and accurate. Because of changing reporting requirements and other variables it is impossible to guarantee the accuracy of the information contained in this document. It is the responsibility of the user to determine proper personal protection based on the actual condition of use and to comply with all Federal, State and Local laws and regulations.