

UV-Schutz-GEL

1 - BEZEICHNUNG DES STOFFES / DER ZUBEREITUNG UND DES UNTERNEHMENS

Handelsname: UV-Schutz-GEL
Produktcode: SWR-UVG
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2 - MÖGLICHE GEFAHREN

Classification of the substance or mixture:

Highly flammable liquid or vapor, Category 2	H225
Causes skin irritation, Category 2	H315
May cause an allergic skin reaction, Category 1	H317
Causes serious eye damage, Category 1	H318
May cause drowsiness or dizziness, Category 3	H336
Suspected of damaging fertility or unborn child, Category 2	H361
Harmful to aquatic life with long lasting effects, Category 3	H412

Label Elements, including precautionary statements:

Gefahrenpiktogramme



Signalwort	: Gefahr
Gefahrenhinweise	: H225 Highly flammable liquid or vapor H315 Causes skin irritation H317 May cause an allergic skin reaction H318 Causes serious eye damage H361 Suspected of damaging fertility or unborn child H412 Harmful to aquatic life with long lasting effects H336 May cause drowsiness or dizziness
Sicherheitshinweise	: P210 Keep away from heat/sparks/open flames/hot surfaces. –No smoking. P233 Keep container tightly closed. P240 Ground/bond container and receiving equipment. P241 Use explosion-proof electrical/ventilating/lighting/.../equipment. P242 Use only non-sparking tools. P243 Take precautionary measures against static discharge. P264 Wash hands thoroughly after handling. P261 Avoid breathing dust/fumes/gas/mist/vapors/spray. P271 Use only outdoors or in a well-ventilated area. P272 Contaminated work clothing should not be allowed out of the workplace. P273 Avoid release to the environment. P280 Wear protective gloves, protective clothing, eye protection, face protection.

Response: : P302+P352 IF ON SKIN: Wash with plenty of soap and water.
 P303+P361+P353 IF ON SKIN (or hair): Remove immediately all contaminated clothing.
 P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position for comfortable breathing.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P312 Call a POISON CENTER or doctor/physician if you feel unwell.
 P321 Specific treatment (see supplemental first aid instructions on this label)
 P332+P333+P313 If skin irritation or rash occurs: get medical advice/attention.
 P362+P363 Take off contaminated clothing and wash before reuse.
 P370+P378 IN CASE OF FIRE: Use dry chemical powder, alcohol resistant foam, or carbon dioxide for extinction.
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.
 P405 Store locked up.

Disposal:
 P501 Dispose of contents/container to an approved waste disposal plant.

General Health Effects: Irritant to skin, eyes and respiratory tract. Effects may be delayed for several hours.

Medical Conditions Aggravated by Exposure: No data available. Repeated and prolonged overexposure may increase in potential for adverse health effects.

3 - ZUSAMMENSETZUNG / ANGABEN ZU BESTANDTEILEN

3.1 Stoff:

3.2 Gemisch

COMMON NAME	CHEMICAL NAME	PERCENT BY WEIGHT	CAS#	EXPOSURE LIMITS	EINECS#
Acrylated Monomers	Trade Secret	Trade Secret	Trade Secret	Not Established	Trade Secret
Acrylated Oligomer	Trade Secret	Trade Secret	Trade Secret	Not Established	Trade Secret
Tert-Butyl Acetate	Methoxy methyl propane	17-21%	540-88-5	1000ppm	208-760-7
PM Acetate	2-methoxy-1-methylethyl acetate	12-16%	108-65-6	50ppm	203-603-9
Isopropyl Alcohol	Propan-2-ol	31-55%	67-63-0	1200ppm	200-661-7

4 ERSTE-HILFE-MASSNAHMEN

4.1 Beschreibung der Erste-Hilfe-Massnahmen

Nach Einatmen Move subject to fresh air and keep warm. If subject is not breathing, administer artificial respiration. If breathing is difficult, have qualified personnel administer oxygen and get medical attention.

Nach Hautkontakt Remove and isolate contaminated clothing and shoes. Remove excess material from skin with clean cloth. Flush skin with running lukewarm water. Wash affected areas using mild soap.

Nach Augenkontakt Flush the eye and under lids with warm water for 15 minutes. Remove any contact lenses during the flushing. Get immediate medical attention if symptoms persist.

Nach Verschlucken If appreciable quantities are swallowed, seek immediate medical attention.

5 - MASSNAHMEN ZUR BRANDBEKÄMPFUNG

Flashpoint: 55° F (12.77°C)

XI – Irritant

N – Dangerous to the environment

Flammable/Explosive Limits (Volume % in air): Not established.

Extinguishing Method: Water Fog, carbon dioxide (CO₂) or dry chemical.

Auto-Ignition Temperature: Not Established.

Evacuate area of all non-emergency personnel. Fire fighters must wear full emergency equipment with self-contained breathing apparatus. At elevated temperatures hazardous polymerization may occur, causing container rupture and in extreme cases, explosion. Fight fires from upwind and cool intact containers with water spray or stream at maximum range.

6 - MASSNAHMEN BEI UNBEABSICHTIGTER FREISETZUNG

Remove all sources of ignition and ventilate area. Avoid skin and eye contact. Use respiratory protection. Absorb with inert materials such as dry clay or sand and place in closed container for disposal as solid waste in accordance with all applicable regulations.

Environmental Precautions: Do not empty into drains. Do not discharge into drains/surface waters/groundwater.

7 - HANDHABUNG UND LAGERUNG

Handling: Avoid any unnecessary contact. Use protective clothing specified in Section 8.

Storage: Store away from heat and sunlight to prevent polymerization. Polymerization initiators include peroxides, strong oxidizers, aluminum, copper, copper alloys, carbon steel, iron, rust, and strong bases.

8 - EXPOSITIONSBEGRENZUNG UND PERSÖNLICHE SCHUTZAUSRÜSTUNGEN

Hand Protection: Use nitrile, butyl, neoprene or other gloves that are resistant to chemicals in Section 2. Replace immediately if punctured or torn or when a change of appearance (color, elasticity, shape) occurs. RadTech recommends a minimum of 0.45mm thick, nitrile gloves for long duration exposure (up to 4 hours on most UV/EBcuring acrylates) or mechanical handling activities. Single use, disposable nitrile gloves are recommended by RadTech for short duration exposures not exceeding 30 minutes, in situations where only splashes are likely to occur.

Eye Protection: Use splash-proof safety goggles, safety glasses, or face shields that are ANSI approved to prevent eye contact. Eyewash availability is also recommended.

Skin Protection: Protective or disposable outer clothing is recommended. Protective clothing must be cleaned thoroughly after each use.

Respiratory Protection: Use local exhaust to control vapors and mists. Use of NIOSH approved respirators for organic vapors, is recommended where TLV is exceeded.

9 - PHYSIKALISCH-CHEMISCHE EIGENSCHAFTEN

Viscosity: 15-25 cps @25 C

Boiling Point: Not available

Specific Gravity: 0.92

Vapor Pressure (mm Hg): 185mm Hg

Solubility in Water: Practically insoluble

pH: Not available

Density: 7.6 lbs/gallon

Freezing Point: Not available

Evaporation Rate: 6

Vapor Density: 2.0

VOC: 3.6 lbs/gallon

10 - STABILITÄT UND REAKTIVITÄT

Stability: This material is stable under recommended storage and handling conditions. Refer to Section 7.

Conditions to Avoid: Excessive heat, ignition sources, exposure to sunlight and contamination with dirt and other foreign materials.

Substances to be Avoided: Polymerization initiators including peroxides, strong oxidizing agents, copper, copper alloys, carbon steel, iron, rust and strong bases.

Incompatibility: No data available.

Hazardous Decomposition Products: Thermal oxidation or pyrolysis (as in fire) may yield carbon dioxide, carbon monoxide and volatile organic fragments which are flammable, irritating or toxic.

Hazardous Polymerization: Under certain conditions (excess temperatures and contamination) hazardous polymerization may occur. Avoid high temperature and contamination with foreign materials.

11 - ANGABEN ZUR TOXIKOLOGIE

Toxicological Data: Slightly toxic by ingestion. Prolonged or repeated exposure may result in sensitization.

LD50 – Not determined **LC50** – Not determined

Reproductive Toxicity: Not determined

Teratogenicity: Not determined

Mutagenicity: Not determined

Carcinogenicity: **IARC?** No **NTP?** No **OSHA?** No

Components:

Data from available scientific literature on the components of this material which have been identified as hazardous chemicals under the criteria of the OSHA Hazard Communications Standard (29 CFR 1910.1200) or the Canadian Hazardous Act, are discussed below:

Acute Oral Toxicity: No data available

Acute Inhalation Toxicity: No data available

Acute Dermal Toxicity: No data available

Skin Corrosion/Irritation: No data available

Serious Eye Damage/Irritation: No data available

Respiratory/Skin Sensitization: No data available

Target Organ Systemic Toxicant – Repeated Exposure: No data available

12 - ANGABEN ZUR ÖKOLOGIE

No determination has been made on ecological impact. However, it is highly recommended to prevent contamination of the environment with this product, i.e. soil, landfills, drains, sewers, surface waters, etc.

13 - HINWEISE ZUR ENTSORGUNG

13.1. Verfahren der Abfallbehandlung

Dispose of this product in accordance with all applicable laws and regulations.

14 - ANGABEN ZUM TRANSPORT

Transport this product in accordance with all applicable laws and regulations. This product, as supplied, is regulated and classified as a hazardous material/dangerous good by United States Department of Transportation (DOT), the International Civil Aviation Organization (ICAO), the International Maritime Organization (IMO), the Canadian Transportation of Dangerous Goods Act (TDG), or the International Air Transport Association (IATA).

US DOT

Proper Shipping Name: Paint

Classification: 3

UN #: 1263

Packing Group: II

Hazard Label: Flammable Liquid

ICAO/IATA

Proper Shipping Name: Paint

Classification: 3

UN #: 1263

Packing Group: II

Hazard Label: Flammable Liquid

15 - VORSCHRIFTEN

This Material Safety Data Sheet has been formatted to the best of our ability in accordance with American National Standards Institute (ANSI), European Communities (EC), and contains hazard criteria and all information required by the Canadian Controlled Products Regulation (CPR) in regard to this product.

INTERNATIONAL REGULATIONS:

Canadian Inventory Status: All components of this product are currently listed on the Canadian Domestic Substance List (DSL) or the Canadian Non-Domestic Substance List (NDSL).

European Inventory Status: All components of this product are listed on the European Inventory of Existing Commercial Substances (EINICS) or the European List of Notified Chemical Substances (ELINCS). This product is classified and labeled in accordance with EC directives.

US FEDERAL REGULATIONS:

California Proposition 65 Right-to-Know (RTK): This product does not knowingly contain substance(s) known to the state of California to cause cancer and/or reproductive toxicity.

Clean Air Act – Hazardous Air Pollutants (HAP): This product and its components do not contain any Hazardous Air Pollutants.

Clean Air Act - Ozone Depleting Substances (ODS): This product and its components do not contain Ozone Depleting Substances.

Clean Water Act – Priority Pollutants (PP): This product and its components do not contain Priority Pollutants.
Coalition of Northeastern Governors (CONEG): This product meets the requirements of CONEG pertaining to heavy metals total content of no more than 100 ppm. No heavy metals are added as a part of the formulation, but raw materials may contain residual parts per million as naturally occurring elements.

Food and Drug Administration (FDA) Food Packaging Status: This product has not been cleared by the FDA for use in food packaging and/or other applications as an indirect food additive.

Occupational Safety and Health Act (OSHA): Refer to Section 11 for OSHA hazardous classification of components.

Resource Conservation and Recovery Act (RCRA): This product is not regulated as a hazardous substance under 40 CFR 261.

SARA Title III Section 302 – Extremely Hazardous Substances (EHS): This product is not regulated as an EHS.

SARA Title III Section 304 – CERCLA: This product is not regulated for emergency release notification.

SARA Title III Section 311/312 – Hazard Communication Standard (HCS): Some components of this product are classified under SARA Title III Section 311/312 as an immediate (acute) hazard and reactive hazard.

SARA Title III Section 313 – Toxic Chemical List (TCL): This product and its components are not listed under the Toxic Chemical Release Reporting requirements.

Toxic Substances Control Act (TSCA) Section 5(e): This product is not regulated under the Consent Order/Significant New Use Rule.

Toxic Substances Control Act (TSCA) Section 8(b) – Inventory Status: All chemicals in this product are TSCA listed or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

16 - SONSTIGE ANGABEN

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Diese Informationen basieren auf unserem aktuellen Wissen und sollen das Produkt nur im Hinblick auf Gesundheit, Sicherheit und Umweltbedingungen beschreiben. Sie darf also nicht als eine Garantie für irgendeine spezifische Eigenschaft des Produktes ausgelegt werden