



U.S. Department of Labor
Occupational Safety and Health Administration
(Non-Mandatory Form). Format meets ANSI
Z400.1-1998, OSHA 1910.1200 and WHMIS
requirements.



SAFETY DATA SHEET

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200.

Section 1: Product and Company Identification

Product Name: **Radnor Cooling Fluid CFPG**
Product Identifier: Cooling Fluid
Product Use:
Item Code(s): 64000249, 64000251
SDS Code: 040R
Supplier: Radnor
Physical Address: 259 North Radnor - Chester Road - Suite 100
Radnor, PA 19087-5283
Emergency Phone: 866-734-3438
Date of Preparation: March 19, 2019
OSHA Regulatory Status: Not Regulated
WHMIS Classification: Not Regulated

Section 2: Hazard Identification

EMERGENCY OVERVIEW

THIS MATERIAL IS SUBJECT TO NO HAZARDOUS DECOMPOSITION OR HAZARDOUS POLYMERIZATION.

GHS LABEL ELEMENTS:

CLASSIFICATION OF SUBSTANCE OR MIXTURE: This product is not classified as hazardous according to the Globally Harmonized System (GHS).

SUGGESTED NATIONAL FIRE PROTECTION ASSOCIATION:



Health | 0 | Flammability | 0 | Reactivity | 0 |

SIGNAL WORD:

HAZARD STATEMENTS:

PRECAUTIONARY STATEMENTS:

Section 3: Composition and Information on Ingredients

CHEMICAL CHARACTERIZATION: Mixtures

DESCRIPTION: Mixture of the substances listed below with nonhazardous additions.

HAZARDOUS INGREDIENTS	CAS #	OSHA PEL	ACGIH TLV	LD50 (oral, rat)	LC50 (inhal, rat)	%	OTHER
Propylene Glycol	57-55-6					10-30% w/w	

Exact concentrations and/or compositions are being withheld as trade secrets.

Section 4: First Aid Measures

INHALATION: Supply fresh air; consult doctor in case of complaints.

INGESTION: If symptoms persist consult doctor.

EYE CONTACT: Rinse opened eye for several minutes under running water.

SKIN CONTACT: Immediately rinse with water.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:

No further relevant information available.

Section 5: Fire Fighting Measures

CONDITIONS OF FLAMMABILITY: N/Av

MEANS OF EXTINCTION: CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

SPECIAL FIRE FIGHTING PROCEDURES: No further relevant information available.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Product does not present an explosion hazard.

FLASH POINT / DETERMINATION: 371 °C

UPPER FLAMMABLE LIMIT: 12,6 Vol %

LOWER FLAMMABLE LIMIT: 2,6 Vol %

AUTO-IGNITION TEMPERATURE: Product is not selfigniting.

HAZARDOUS COMBUSTION PRODUCTS: N/Av

EXPLOSION DATA - SENSITIVITY TO MECHANICAL IMPACT: N/Av

EXPLOSION DATA - SENSITIVITY TO STATIC DISCHARGE: N/Av

Section 6: Accidental Release Measures

LEAK / SPILL RESPONSE: Dilute with plenty of water. Do not allow to enter sewers/ surface or ground water. Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

SPECIAL INSTRUCTIONS: No dangerous substances are released.

Section 7: Handling and Storage

HANDLING PROCEDURES / EQUIPMENT: No special measures required.

STORAGE REQUIREMENTS: No special measures required.

Section 8: Exposure Controls / Personal Protection

EYE PROTECTION: Goggles recommended during refilling.

SKIN PROTECTION: The usual precautionary measures for handling chemicals should be followed. Protective gloves not normally required. People with sensitive skin may prefer to wear water-proof gloves, such as rubber or neoprene, to avoid skin contact.

ENGINEERING CONTROLS:

COMPONENTS WITH LIMIT VALUES THAT REQUIRE MONITORING AT THE WORKPLACE:

57-55-6 Propylene Glycol

EV (Canada)	Long-term value: 155* 10** mg/m ³ , 50* ppm *vapour and aerosol;**aerosol only
WEEL (USA)	Long-term value: 10 mg/m ³

Section 9: Physical and Chemical Properties

PHYSICAL STATE:	Liquid
ODOR and APPEARANCE:	Colorless, Odorless
ODOR THRESHOLD:	N/Av
SPECIFIC GRAVITY (H ₂ O=1):	N/Av
VAPOR PRESSURE at 20°C:	23 hPa
VAPOR DENSITY at 20°C (AIR=1):	>1.0
EVAPORATION RATE (BA=1):	1
MELTING POINT:	-12 °C
BOILING POINT:	100 °C
FREEZE POINT (°F):	N/Av
pH at 20°C:	6
COEFFICIENT OF WATER/OIL DISTRIBUTION:	N/Av
DENSITY at 20°C:	1.032 g/cm ³
SOLUBILITY IN / MISCIBILITY WITH WATER:	Fully miscible.
% VOLATILE BY VOLUME:	N/Av
ORGANIC SOLVENTS:	30.0 %
VOC CONTENT:	30.0 %
	1111.1 g/l / 9.27 lb/gl

Section 10: Stability and Reactivity

STABILITY: N/Av

CONDITIONS TO AVOID: N/Av

MATERIALS TO AVOID (INCOMPATIBILITIES): N/Av

CONDITIONS OF REACTIVITY: No dangerous reactions known.

HAZARDOUS DECOMPOSITION BY-PRODUCTS: No decomposition if used according to specifications.

HAZARDOUS POLYMERIZATION: No dangerous decomposition products known.

Section 11: Toxicological Information

INFORMATION ON TOXICOLOGICAL EFFECTS:

ACUTE TOXICITY:

PRIMARY IRRITANT EFFECT ON THE SKIN: No irritant effect.

PRIMARY IRRITANT EFFECT ON THE EYE: No irritating effect.

SENSITIZATION: No sensitizing effects known.

ADDITIONAL TOXICOLOGICAL INFORMATION:

The product is not subject to classification according to internally approved calculation methods for preparations:

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

CARCINOGENIC CATEGORIES:

IARC (International Agency for Research on Cancer): None of the ingredients is listed.

NTP (National Toxicology Program): None of the ingredients is listed.

Section 12: Ecological Information

AQUATIC TOXICITY: No further relevant information available.

PERSISTENCE AND DEGRADABILITY: No further relevant information available.

BEHAVIOR IN ENVIRONMENTAL SYSTEMS:

BIOACCUMULATIVE POTENTIAL: No further relevant information available.

MOBILITY IN SOIL: No further relevant information available.

ADDITIONAL ECOLOGICAL INFORMATION:

Water hazard class 1 (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

OTHER ADVERSE EFFECTS: No further relevant information available.

Section 13: Disposal Considerations

WASTE TREATMENT METHODS: Smaller quantities can be disposed of with household waste.

UNCLEANED PACKAGINGS: Place in a sealed container and label as waste. Place in a safe area, and comply with all federal, state, provincial and local regulations for disposal.

RECOMMENDED CLEANSING AGENT: Water, if necessary with cleansing agents.

Section 14: Transportation Information

UN-Number

DOT, TDG, ADN, IMDG, IATA Not regulated

UN proper shipping name

DOT, TDG, ADN, IMDG, IATA Not regulated

Transport hazard class(es)

DOT, TDG, ADN, IMDG, IATA

Class Not regulated

Packing group

DOT, TDG, IMDG, IATA Not regulated

Environmental hazards:

Marine pollutant: No

Special precautions for user: Not applicable.

Transport in bulk according to Annex II of

MARPOL73/78 and the IBC Code: Not applicable.

UN "Model Regulation": Not regulated

Section 15: Regulatory Information

TOXIC SUBSTANCES CONTROL ACT (TSCA): The product on this SDS, or all of its components, is listed under TSCA.

SARA TITLE III, SECTION 313: The following ingredients are subject to the reporting requirements of Section 313 of Title III of the Superfund and Reauthorization Act of 1986 and 40 CFR Part 372: None.

CLEAN AIR ACT (CAA): The following ingredients appear on the List of Hazardous Air Pollutants (HAP - 42 USC 7412, Title I, Part A, p112): None

CLEAN WATER ACT (CWA): The following ingredients appear on the CWA List of Hazardous Substances (40 CFR 116.4): None

CALIFORNIA PROPOSITION 65: The following ingredients appear of the Proposition 65 list(s): None

NEW JERSEY RIGHT TO KNOW INFORMATION: (5 most predominant ingredients / hazardous & non-hazardous)

Propylene Glycol (CAS# 57-55-6)

CANADIAN WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS): This SDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by the CPR.

CANADIAN INGREDIENT DISCLOSURE LIST (LIMIT 0.1%): None of the ingredients is listed.

CANADIAN INGREDIENT DISCLOSURE LIST (LIMIT 1%): Propylene Glycol (CAS# 57-55-6)

DOMESTIC SUBSTANCES LIST (DSL): The product on this SDS, or all of its components, is included in the DSL.

Section 16: Other Information

N/E	Not Established
N/Av	Not Available
N/Ap	Not Applicable
IARC	International Agency for Research on Cancer
ACGIH	American Conference of Governmental Industrial Hygienists
NIOSH	National Institute for Occupational Health and Safety
TLV-TWA	Threshold Limit, Time Weighted Average
NAERG	North American Emergency Response Guidebook
WHMIS	Workplace Hazardous Materials Information System

This SDS format meets ANSI Z400.1-1998, OSHA 1910.1200 and WHMIS requirements. Radnor provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Product use and conditions of use are beyond the control of Radnor. Warranty of materials is limited to test results of product performance as detailed in certificates of compliance. Interpretation of test results is the responsibility of end-user. No other warranties, expressed or implied, are made.