SECTION 1 Identification

Product Name: CONOSTAN® Flash Point 112 ^{0}C Standard (ASTM D93)
Chemical Family Petroleum hydrocarbon
Intended Use Instrument Calibration
Catalogue Number: 150-900-020/ 070

Recommended Use: Laboratory Chemical
Instrument Calibration. This product is intended for laboratory testing. This product shall be used by trained personnel only.
Restriction on use:
Do not use this product outside of a laboratory. This product should not be used by untrained personnel.

Manufacturer/ Supplier:

Canada/ International
21 800 Clark-Graham
Baie d'Urfé, (Montreal)
Québec, H9X 4B6
Canada

Phone: +1 (800) 361-6820
Fax: +1 (800) 253-5549

USA
3rd Party Distribution Center
348 Route 11, Champlain,
N.Y. 12919-4816
USA

Phone: +1 (800) 361-6820
Fax: +1 (800) 253-5549

France
12 Ave du Québec
Bât Iris, SILIC 642
91965 Villebon sur Yvette,
France

Phone: +33 (0) 1 69 18 71 17
Fax: +33 (0) 1 60 92 05 67

Germany
Alte Marktoberdorfer
Straße 14, 87616
Marktoberdorf
Germany

Phone: +49 (0) 8342-89560-61
Fax: +49 (0) 8342-89560-69

CORPORATE : Phone: +1 (514) 457-0701 | Fax: +1 (514) 457-4499 www.scpscience.com | sales@scpscience.com

For Spills, Leaks, Fires or Accidents Call CHEMTREC: 1-703-741-5970 (CHEMTREC)
California Poison Control System: (800) 356-3129

In the event of medical emergency, call your local poison centre or equivalent.

SECTION 2 Hazards Identification

Emergency Overview
GHS
Harmonized Classification – Annex VI of Regulation (EC) No 1272/2008 (CLP Regulation)
Classification: Toxic – category 4 **Pictograms:**



Signal Word: Danger
Hazard Statements
H302: Harmful if swallowed.
Precautionary Statements
P264: Wash hands thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P302: Rinse mouth.
P501: Dispose of contents/container to an approved waste disposal site and according to federal, regional and local government

requirements.

Other Hazards: No information available

SECTION 3 Composition and Information on Ingredients

CAS No.	Chemical Name	Weight	*Classification* ((EC) No 1272/2008)
107-21-1	Ethylene glycol	100%	H302 - Acute Tox. 4

1% = 10,000 PPM.

SECTION 4 First Aid Measures

In case of contact:

Eye: Flush victim's eyes with water or normal saline solution for 20 to 30 minutes while simultaneously calling a hospital or poison control center. Do not put any ointments, oils, or medication in the victim's eyes without specific instructions from a physician. IMMEDIATELY transport the victim after flushing eyes to a hospital even if no symptoms (such as redness or irritation) develop.

Skin: IMMEDIATELY flood affected skin with water while removing and isolating all contaminated clothing. Gently wash all affected skin areas thoroughly with soap and water. If symptoms such as redness or irritation develop, IMMEDIATELY call a physician and be prepared to transport the victim to a hospital for treatment.

Ingestion: DO NOT INDUCE VOMITING. If the victim is conscious and not convulsing, give 1 or 2 glasses of water to dilute the chemical and IMMEDIATELY call a hospital or poison control center. Be prepared to transport the victim to a hospital if advised by a physician. If the victim is convulsing or unconscious, do not give anything by mouth, ensure that the victim's airway is open and lay the victim on his/her side with the head lower than the body. DO NOT INDUCE VOMITING. IMMEDIATELY transport the victim to a hospital.

Inhalation: IMMEDIATELY leave the contaminated area; take deep breaths of fresh air. If symptoms (such as wheezing, coughing, shortness of breath, or burning in the mouth, throat, or chest) develop, call a physician and be prepared to transport the victim to a hospital. Provide proper respiratory protection to rescuers entering an unknown atmosphere. Whenever possible, Self-Contained Breathing Apparatus (SCBA) should be used; if not available, use a level of protection greater than or equal to that advised under Protective Clothing.

Most important Symptoms: **No information available.**

Notes to Physician/Doctor: Initial treatment is primarily supportive. In the case of a large ingestion, treatment under a physician's direction within the first 30 to 60 minutes should include an attempt to aspirate stomach contents. As ethylene glycol is rapidly absorbed from the gastrointestinal (GI) tract, gastric aspiration by use of a nasogastric tube may be useful soon after large ingestions.

SECTION 5 Fire-fighting Measures

Fire Hazard Summary:

For fires beyond the incipient stage, emergency responders in the immediate hazard areas should wear bunker gear. When the potential chemical hazard is unknown, in enclosed or confined spaces, or when explicitly required by DOT, a self contained breathing apparatus should be worn. In addition, wear other appropriate protective equipment as conditions warrant (See Section 8).

Isolate immediate hazard area, keep unauthorized personnel out. Stop spill/release if it can be done with minimal risk. Move undamaged containers from the immediate hazard area if it can be done with minimal risk.

Extinguishing Media: **Use water spray, powder, alcohol-resistant foam, carbon dioxide. In case of fire in the surroundings, use appropriate extinguishing media.**

Extinguishing Media **No information found.**

to be Avoided:	
Combustion and Thermal Decomposition Products:	**Oxides of carbon**
Special protective equipment and precautions for fire-fighters	Firefighters should wear self-contained respirator and full protective gear.

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) HAZARD IDENTIFICATION (Cold material)

Health:	2 - Materials that, under emergency conditions, can cause temporary incapacitation or residual injury.
Flammability:	1 - Materials that must be preheated before ignition can occur. Materials require considerable preheating, under all ambient temperature conditions, before ignition and combustion can occur.
Reactivity:	0
Special Hazard:	

SECTION 6 Accidental Release Measures

Spill Precautions:

Personal protection: filter respirator for organic gases and vapours adapted to the airborne concentration of the substance. Collect leaking and spilled liquid in sealable containers as far as possible. Wash away remainder with plenty of water.

Land spill: Dig a pit, pond, lagoon, holding area to contain liquid or solid material. /SRP: If time permits, pits, ponds, lagoons, soak holes, or holding areas should be sealed with an impermeable flexible membrane liner./ Dike surface flow using soil, sand bags, foamed polyurethane, or foamed concrete. Absorb bulk liquid with fly ash, cement powder, or commercial sorbents.

Water spill: Use natural barriers or oil spill control booms to limit spill travel. Remove trapped material with suction hoses.

Personal precautions: Wear appropriate protective equipment including respiratory protection as conditions warrant (See Section 8).

Protective equipment and emergency procedures: Ensure adequate ventilation. Evacuate personnel to safe areas.

Clean-up:

SMALL SPILLS: Not applicable.

LARGE SPILLS: Evacuate area. Contact fire and emergency services and supplier for advice.

SECTION 7 Handling and Storage

Handling:

Do not wear contaminated clothing or shoes. Keep contaminated clothing away from sources of ignition such as sparks or open flames. Use good personnel hygiene practices.

"Empty" containers retain residue and may be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind or expose such containers to heat, flame, sparks or other sources of ignition. They may explode and cause injury or death. "Empty" drums should be completely drained, properly bunged and promptly shipped to the supplier or a drum re-conditioner. All containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.

Storage:

Keep container(s) tightly closed. Use and store this material in a cool, dry, well-ventilated area, away from heat and all sources of ignition. Post area "No Smoking or Open Flame". Store only in approved containers. Keep away

from any incompatible material (See Section 10). Protect container(s) against physical damage. Outdoor or detached storage is preferred. Indoor storage should meet OSHA standards and appropriate fire codes.

Additional Information:

The mixture is intended for use in a laboratory. The mixture as supplied is stable under normal laboratory conditions.

SECTION 8 Exposure Controls and Personal Protection

EXPOSURE GUIDELINES

ACGIH: Not Applicable.

NOTE: State, local or other agencies or advisory groups may have established more stringent limits. Consult an industrial hygienist or similar professional, or your local agencies, for further information.

Preventive Measures:

Keep away from heat sparks, flames, static electricity or other sources of ignition.

Eye / Face protection:	The use of approved eye protection to safeguard against potential eye contact is considered good practice.
Skin protection:	Breakthrough times greater than one hour reported by (normally) two or more testers for natural rubber (nat Rub), neoprene (neop), nitrile rubber (nitrile), polyethlene (PE), and polyvinyl chloride (PVC). Some data suggesting breakthrough times of approximately an hour or more for neoprene/natural rubber (Neop/Nat Rub) and polyvinyl alcohol (PVA). No data for butyl rubber (Butyl) Neoprene/styrene-butadiene (Neop/SBR), nitrile rubber/polyvinyl chloride (Nitrile/PVC), chlorinated polyethylene (CPE), polyurethane (PU), styrene-butadiene rubber (SBR), and viton.
Inhalation / Ventilation:	Protection provided by air purifying respirators is limited (see manufacturer's respirator selection guide). Use a NIOSH approved self-contained breathing apparatus (SCBA) or equivalent operated in a pressure demand or other positive pressure mode if there is potential for an uncontrolled release, exposure levels are unknown, or any other circumstances where air purifying respirators may not provide adequate protection.
Personal Hygiene:	Do not eat or drink in work areas. Wash hands thoroughly after handling this material. Maintain good housekeeping. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
Appropriate Engineering Controls:	If current ventilation practices are not adequate to maintain airborne concentrations below the established exposure limits (See exposure guidelines), additional engineering controls may be required. Where explosive mixtures may be present, electrical systems safe for such locations must be used (See appropriate electrical codes).
Other Protective Equipment:	Eye wash and quick-drench shower facilities should be available for flushing eyes and skin. Impervious clothing should be worn as needed. Thoroughly clean shoes and wash contaminated clothing before reuse. It is recommended that impervious clothing be worn when skin contact is possible.
	Suggestions for the use of specific protective materials are based on readily available published data. Users should check with specific manufacturers to confirm the performance of their products.

SECTION 9 Physical and Chemical Properties

Information on basic physical and chemical properties

Physical State	Liquid
Appearance	Clear, Colorless
Odor	Odorless

Property	Values
pH VALUE	No data available
Melting Point/Range	c. −12.9 °C (8.8 °F; 260.2 K)
Boiling Point/Range	c. 197.3 °C (387.1 °F; 470.4 K)
Evaporation rate	Negligible
Flammability (solid, gas)	No data available
Vapor Pressure	c. 0.06 mmHg (20 °C)
Vapor Density	No data available
Density	c. 1.1132 g/cm3
Specific Gravity	No data available
Water Solubility	Soluble
Partition coefficient: n-octanol/water	No data available
Auto ignition Temperature	c. 410 °C (770 °F; 683 K)
Decomposition Temperature	No data available
Viscosity	c. 1.61×10−2 Pa·s
Flash Point	c. 112 ^{0}C CC PM

SECTION 10 Stability and Reactivity

Reactivity:	No information found.
Chemical stability:	Stable under normal conditions.
Incompatible Materials:	Avoid contact with sulfuric acid and strong oxidizers.
Conditions to avoid:	Keep away from all sources of ignition, heat, sparks, flame.
Hazardous Decomposition Products:	Combustion can yield carbon dioxide and carbon monoxide.
Hazardous Polymerization:	No information found.

SECTION 11 Toxicological Information

Potential Health Effects

Eye:	May cause eye irritation.
Skin:	May cause skin irritation.
Ingestion:	May be harmful if swallowed.
Inhalation:	No information found.

Effects of Short-Term (Acute) Exposure

LD50/LC50:

Effects of Long-Term (Chronic) Exposure

Respiratory or skin sensitization:	No information found.
Germ Cell Mutagenicity:	No component of this product at levels greater than 0.1% is classified as a mutagen.
Reproductive Toxicity:	No component of this product at levels greater than 0.1% is classified for reproductive toxicity.
STOT- Single exposure	No definitive information available on target organs toxicity.
STOT- Repeated	No definitive information available on target organs toxicity.

exposure

Aspiration Hazard: No information found.

Carcinogenicity: Not Listed as a carcinogen by NTP, IARC, OSHA or California Proposition 65.
No evidence of cancer has been demonstrated in several well conducted animal studies.

SECTION 12 Ecological Information

Eco- toxicity: no information about this preparation is available.

Mobility: This product can penetrate the soil and contaminate groundwater and nearby streams.

Persistance and degradability: no information about this preparation is available.

Bioaccumulative potential: no information about this preparation is available.

SECTION 13 Disposal Considerations

Product disposal:
The most favorable course of action is to use an alternative chemical product with less inherent propensity for occupational exposure or environmental contamination. Recycle any unused portion of the material for its approved use or return it to the manufacturer or supplier. Ultimate disposal of the chemical must consider: the material's impact on air quality; potential migration in soil or water; effects on animal, aquatic, and plant life; and conformance with environmental and public health regulations.

Wastewater from contaminant suppression, cleaning of protective clothing/equipment, or contaminated sites should be contained and evaluated for subject chemical or decomposition product concentrations. Concentrations shall be lower than applicable environmental discharge or disposal criteria. Alternatively, pretreatment and/or discharge to a permitted wastewater treatment facility is acceptable only after review by the governing authority and assurance that "pass through" violations will not occur. Due consideration shall be given to remediation worker exposure (inhalation, dermal and ingestion) as well as fate during treatment, transfer and disposal. If it is not practicable to manage the chemical in this fashion, it must be evaluated in accordance with EPA 40 CFR Part 261, specifically Subpart B, in order to determine the appropriate local, state and federal requirements for disposal.

Contaminated packaging: Dispose of as unused product.

SECTION 14 Transport Information

IMDG (sea): Not Regulated As A Hazardous Material Or Dangerous Goods For Transportation By This Agency.

ADR/DOT (road): Not Regulated As A Hazardous Material Or Dangerous Goods For Transportation By This Agency.

ICAO/IATA (air): Not Regulated As A Hazardous Material Or Dangerous Goods For Transportation By This Agency.

SECTION 15 Regulatory Information

US Federal:

TSCA Not Available.

US State:

California Prop. 65 This material is not listed in the California Proposition 65 (CA Health & Safety Code Section 25249.5).

Canada

WHMIS Classifications: D1B – Materials Causing immediate toxic effects

EU

EU Symbol:	Xn
Risk Phrase(s):	R22: Harmful if swallowed.

SECTION 16 Other Information

Revised:	May 11, 2020
Date of previous revision (s):	February 11, 2016

Hazard Indications (H) Regulation (EC) No 1272/2008 quoted in Sections 3.

Acute Tox. 4 *	Acute Toxicity Oral
H302	Harmful if swallowed.

The statements contained herein are offered for informational purposes only and are based upon technical data. SCP SCIENCE believes them to be accurate but does not purport to be all-inclusive. The above-stated product is intended for use only by persons having the necessary technical skills and facilities for handling the product at their discretion and risk. Since conditions and manner of use are outside our control, we make no warranty of merchantability or any such warranty, express or implied with respect to information and we assume no liability resulting from the above product or its use. Users should make their own investigations to determine suitability of information and product for their particular purposes.

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