

Issuing Date 24-Apr-2014

Revision Date 24-Apr-2014

Revision Number 0

## Section 1. Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

**Product Name** C10, G10, N10, C20, G20, S20, SV20

Contains Petroleum distillates, hydrotreated light naphthenic

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Recommended Use** Viscometer and/or density measurement equipment calibration and performance verification reference standard

**Uses advised against** No information available

### 1.3. Details of the supplier of the safety data sheet

#### Supplier

 Cannon Instrument Company  
 2139 High Tech Rd.  
 State College, PA 16803-1733  
 TEL: (814) 353-8000; (800) 676-6232

#### For further information, please contact

**E-mail Address** No information available.

### 1.4. Emergency telephone number

**Emergency Telephone Number** (800) 255-3924 Domestic CHEM-TEL Inc.  
 +1 (813) 248-0585 Overseas CHEM-TEL Inc. (Please Call Collect)

**Europe** 112

## Section 2. Hazards identification

### 2.1. - Classification of the substance or mixture

#### REGULATION (EC) No 1272/2008

Aspiration Toxicity	Category 1
Acute Inhalation Toxicity - Dusts and Mists	Category 4

#### Physical Hazards

None

#### Classification according to EU Directives 67/548/EEC or 1999/45/EC

For the full text of the R-phrases mentioned in this Section, see Section 16

**Symbol(s)**

Xn - Harmful

**R-code(s)**

Xn;R65

### 2.2. Label Elements



Signal Word

Warning

**Hazard Statements**

H332 - Harmful if inhaled

H304 - May be fatal if swallowed and enters airways

**Precautionary Statements - EU (§28, 1272/2008)**

P261 - Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray

P308 + P313 - IF exposed or concerned: Get medical advice/ attention

P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician

P331 - Do NOT induce vomiting

P304 + P340 - IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing

**2.3. Other information**

May cause central nervous system depression with nausea, headache, dizziness, vomiting, and incoordination

Repeated or prolonged skin contact may cause allergic reactions with susceptible persons

Prolonged skin contact may defat the skin and produce dermatitis

**Section 3. Composition/information on ingredients****3.1. Substances**

Not applicable

**3.2. Mixtures**

Chemical Name	EC-No	CAS-No	Weight %	Classification	EU - GHS Substance Classification	REACH No.
Residual oils (petroleum), solvent refined	265-101-6	64742-01-4	<85	Carc.Cat.2; R45	Carc. 1B (H350)	No data available
Petroleum distillates, solvent-refined light paraffinic	Present	64741-89-5	<85	Carc.Cat.2; R45	Carc. 1B (H350)	No data available
Petroleum distillates, solvent-refined heavy paraffinic	Present	64741-88-4	<85	Carc.Cat.2; R45	Carc. 1B (H350)	No data available
Petroleum distillates, solvent dewaxed heavy paraffinic	Present	64742-65-0	<85	Carc.Cat.2; R45	Carc. 1B (H350)	No data available
Petroleum distillates, hydrotreated heavy paraffinic	Present	64742-54-7	<85	Carc.Cat.2; R45	Carc. 1B (H350)	No data available
Petroleum distillates, hydrotreated heavy naphthenic	Present	64742-52-5	<85	Carc.Cat.2; R45	Carc. 1B (H350)	No data available
Naphtha (petroleum), hydrotreated heavy	265-150-3	64742-48-9	<85	Carc.Cat.2; R45 Muta.Cat.2; R46 Xn; R65	Muta. 1B (H340) Carc. 1B (H350) Asp. Tox. 1 (H304)	No data available
Petroleum distillates, hydrotreated light naphthenic	Present	64742-53-6	<85	Carc.Cat.2; R45 Xn; R65	Asp. Tox. 1 (H304) Carc. 1B (H350)	No data available

**For the full text of the R-phrases mentioned in this Section, see Section 16****For the full text of the H-Statements mentioned in this Section, see Section 16****Section 4. First aid measures****4.1. Description of first-aid measures****Eye Contact**

Rinse thoroughly with plenty of water, also under the eyelids. Obtain medical attention if irritation persists.

<b>Skin Contact</b>	Wash off with warm water and soap. Remove and wash contaminated clothing before re-use. Get medical attention if symptoms occur.
<b>Ingestion</b>	Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Drink plenty of water. Get medical attention.
<b>Inhalation</b>	IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Get medical attention

#### **4.2. Most important symptoms and effects, both acute and delayed**

**Most Important Symptoms/Effects** Drowsiness. Dizziness. Irritation.

#### **4.3. Indication of immediate medical attention and special treatment needed**

**Notes to Physician** Treat symptomatically.

### **Section 5. Fire-fighting measures**

#### **5.1. Extinguishing media**

**Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Extinguishing media which must not be used for safety reasons**

No information available.

#### **5.2. Special hazards arising from the substance or mixture**

**Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases**

None in particular.

#### **5.3. Advice for firefighters**

**Special protective equipment for fire-fighters**

As in any fire, wear self-contained breathing apparatus and full protective gear.

### **Section 6. Accidental release measures**

#### **6.1. Personal precautions, protective equipment and emergency procedures**

Avoid contact with skin, eyes and clothing. Use personal protective equipment.

#### **6.2. Environmental precautions**

Prevent further leakage or spillage if safe to do so.

#### **6.3. Methods and materials for containment and cleaning up**

Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

Clean contaminated surface thoroughly.

#### **6.4. Reference to other sections**

See Section 12 for additional information.

### **Section 7. Handling and storage**

#### **7.1. Precautions for Safe Handling**

**Handling**

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothing. Wear personal protective equipment.

**Hygiene Measures**

Handle in accordance with good industrial hygiene and safety practice.

**7.2. Conditions for safe storage, including any incompatibilities**

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition.

**7.3. Specific end use(s)****Exposure Scenario**

No information available.

**Other Guidelines**

No information available.

## Section 8. Exposure controls/personal protection

**8.1. Control parameters****Exposure Limits**

Chemical Name	EU	The United Kingdom	France	Spain	Germany
Petroleum distillates, solvent dewaxed heavy paraffinic 64742-65-0				VLA-EC: 10 mg/m <sup>3</sup> VLA-EC VLA-ED: 5 mg/m <sup>3</sup> VLA-ED	
Naphtha (petroleum), hydrotreated heavy 64742-48-9					MAK: 50 ppm MAK: 300 mg/m <sup>3</sup> Ceiling / Peak: 100 ppm Ceiling / Peak: 600 mg/m <sup>3</sup>
Chemical Name	Italy	Portugal	The Netherlands	Finland	Denmark
Petroleum distillates, solvent dewaxed heavy paraffinic 64742-65-0		STEL: 10 mg/m <sup>3</sup> TWA: 5 mg/m <sup>3</sup>		TWA: 5 mg/m <sup>3</sup>	TWA: 1 mg/m <sup>3</sup>
Chemical Name	Austria	Switzerland	Poland	Norway	Ireland
Petroleum distillates, solvent dewaxed heavy paraffinic 64742-65-0			NDSch: 10 mg/m <sup>3</sup> NDS: 5 mg/m <sup>3</sup>	TWA: 1 mg/m <sup>3</sup> STEL: 3 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup> STEL: 10 mg/m <sup>3</sup>
Naphtha (petroleum), hydrotreated heavy 64742-48-9			NDSch: 900 mg/m <sup>3</sup> NDS: 300 mg/m <sup>3</sup>		

**Derived No Effect Level**

No information available

**Predicted No Effect Concentration (PNEC)**

No information available.

**8.2. Exposure controls****Engineering Measures**

Ensure adequate ventilation, especially in confined areas.

**Personal protective equipment****Eye Protection**

Safety glasses with side-shields.

**Skin and Body Protection**

Long sleeved clothing.

**Hand Protection**

Protective gloves.

**Respiratory Protection**

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

**Environmental Exposure Controls** No information available.

## Section 9. Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

<b>Physical State</b>	Liquid.	<b>Appearance</b>	Pale yellow.
<b>Odor</b>	Hydrocarbon-like.		

<u>Property</u>	<u>Values</u>	<u>Remarks/ - Method</u>
pH	No data available	None known
Melting Point/Range	No data available	None known
Boiling Point/Boiling Range	>260 °C	None known
Flash Point	> 145 °C	Open cup
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
 Vapor Pressure	 No data available	 None known
Vapor Density	No data available	None known
Relative Density	0.87-0.88	at 15 °C
Water Solubility	Insoluble in water.	None known
Solubility in other solvents	Soluble in solvents.	None known
Partition coefficient: n-octanol/water	No data available	None known
Autoignition Temperature	No data available	None known
Decomposition Temperature	No data available	None known
Viscosity	10-20 cSt @ 40°C	None known
Explosive Properties	No information available	
Oxidizing Properties	No information available	

### 9.2. Other information

<b>VOC Content (%)</b>	No information available
<b>Flammability Limits in Air</b>	No information available.

## Section 10. Stability and reactivity

### 10.1. Reactivity

Not reactive under normal conditions.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

None under normal processing.

### 10.4. Conditions to avoid

Keep away from open flames, hot surfaces and sources of ignition.

### 10.5. Incompatible materials

Strong oxidizing agents.

### 10.6. Hazardous decomposition products

None under normal use.

## Section 11. Toxicological information

**11.1.****Acute Toxicity****Product Information****Inhalation****Eye Contact****Skin Contact****Ingestion**

Harmful by inhalation. Inhalation of mist may cause irritation to the respiratory system.

Contact with eyes may cause irritation.

No known hazard in contact with skin. Prolonged skin contact may defat the skin and produce dermatitis. Prolonged or repeated contact may dry skin and cause irritation.

Potential for aspiration if swallowed. Aspiration may cause pulmonary edema and pneumonitis. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. May be fatal if swallowed and enters airways.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Petroleum distillates, solvent-refined heavy paraffinic	> 5000 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	= 2.18 mg/L ( Rat ) 4 h
Petroleum distillates, solvent-refined light paraffinic	> 5000 mg/kg ( Rat )	> 5 g/kg ( Rabbit )	= 2.18 mg/L ( Rat ) 4 h
Residual oils (petroleum), solvent refined	>5000 mg/kg (rat)	>2000 mg/kg (rabbit)	= 2.18 mg/L ( Rat ) 4 h
Naphtha (petroleum), hydrotreated heavy	> 5000 mg/kg ( Rat )	> 3160 mg/kg ( Rabbit )	
Petroleum distillates, hydrotreated heavy paraffinic	> 5000 mg/kg ( Rat )	> 5000 mg/kg ( Rabbit )	
Petroleum distillates, solvent dewaxed heavy paraffinic			>4.7 mg/l (rat) 4 hr.

**Sensitization****Mutagenic Effects****Carcinogenic Effects**

No information available.

No information available.

The classification listed for the petroleum distillates in this product pertains to those that contain more than 3% DMSO extract as measured by IP 346. The petroleum distillates in this product do not meet that criteria to be classified as carcinogens.

Chemical Name	EU Annex I Carcinogen Information	UK
Residual oils (petroleum), solvent refined	Category 2	
Petroleum distillates, solvent-refined light paraffinic	Category 2	
Petroleum distillates, solvent-refined heavy paraffinic	Category 2	
Petroleum distillates, hydrotreated heavy paraffinic	Category 2	
Naphtha (petroleum), hydrotreated heavy	Category 2	

**Reproductive Toxicity****Developmental Toxicity****STOT - single exposure****STOT - repeated exposure****Target Organ Effects****Aspiration Hazard**

No information available.

No information available.

No information available.

No information available.

Skin. Central nervous system (CNS). Eyes. Respiratory system.

No information available.

## Section 12. Ecological information

**12.1. Toxicity****Ecotoxicity Effects**

The environmental impact of this product has not been fully investigated.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
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Residual oils (petroleum), solvent refined	-	> 5000 mg/L: LC50 96 h (Oncorhynchus mykiss)	-	EC50 48 h: > 1000 mg/L (Daphnia magna)
Petroleum distillates, solvent-refined light paraffinic		LC50 96 h: > 5000 mg/L (Oncorhynchus mykiss)		EC50 48 h: > 1000 mg/L (Daphnia magna)
Petroleum distillates, solvent-refined heavy paraffinic		LC50 96 h: > 5000 mg/L (Oncorhynchus mykiss)		EC50 48 h: > 1000 mg/L (Daphnia magna)
Petroleum distillates, solvent dewaxed heavy paraffinic		LC50 96 h: > 5000 mg/L (Oncorhynchus mykiss)		EC50 48 h: > 1000 mg/L (Daphnia magna)
Petroleum distillates, hydrotreated heavy paraffinic		LC50 96 h: > 5000 mg/L (Oncorhynchus mykiss)		EC50 48 h: > 1000 mg/L (Daphnia magna)
Petroleum distillates, hydrotreated heavy naphthenic		LC50 96 h: > 5000 mg/L (Oncorhynchus mykiss)		EC50 48 h: > 1000 mg/L (Daphnia magna)
Naphtha (petroleum), hydrotreated heavy		LC50 96 h: = 2200 mg/L (Pimephales promelas)		LC50 96 h: = 2.6 mg/L (Chaetogammarus marinus)
Petroleum distillates, hydrotreated light naphthenic		LC50 96 h: > 5000 mg/L (Oncorhynchus mykiss)		EC50 48 h: > 1000 mg/L (Daphnia magna)

**12.2. Persistence and degradability**

No information available.

**12.3. Bioaccumulative potential.**

No information available.

**12.4. Mobility in soil**

Adsorbs on soil.

**12.5. Results of PBT and vPvB assessment**

No information available.

**12.6. Other adverse effects**

This product does not contain any known or suspected endocrine disruptors.

## Section 13. Disposal considerations

**13.1. Waste treatment methods****Waste from Residues / Unused Products**

Dispose of in accordance with local regulations.

**Contaminated Packaging**

Empty containers should be taken to an approved waste handling site for recycling or disposal.

## Section 14. Transport information

**Note:**

The information provided below may not apply to all shipping situations. Consult appropriate Dangerous Goods Regulations for additional requirements and mode-specific, material-specific, or quantity-specific shipping requirements.

**IMDG/IMO**

14.1. UN-Number	Not regulated.
14.2. Proper Shipping Name	Not regulated.
14.3. Hazard Class	Not regulated.
14.4. Packing Group	Not regulated.
Description	Not applicable.
14.5. Marine Pollutant	None.
14.6. Special Provisions	None.
14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	No information available.

**RID**

14.1. UN-Number	Not regulated.
14.2. Proper Shipping Name	Not regulated.
14.3. Hazard Class	Not regulated.
14.4. Packing Group	Not regulated.
Description	Not applicable.
14.5. Environmental hazard	None.
14.6. Special Provisions	None.

**ADR**

14.1. UN-Number	Not regulated.
14.2. Proper Shipping Name	Not regulated.
14.3. Hazard Class	Not regulated.
14.4. Packing Group	Not regulated.
Description	Not applicable.
14.5. Environmental hazard	None.
14.6. Special Provisions	None.

**ICAO**

14.1. UN-Number	Not regulated.
14.2. Proper shipping name	Not regulated.
14.3. Hazard Class	Not regulated.
14.4. Packing Group	Not regulated.
Description	Not applicable.
14.5. Environmental hazard	None.
14.6. Special Provisions	None.

**IATA**

14.1. UN-Number	Not regulated.
14.2. Proper Shipping Name	Not regulated.
14.3. Hazard Class	Not regulated.
14.4. Packing Group	Not regulated.
Description	Not applicable.
14.5. Environmental hazard	None.
14.6. Special Provisions	None.

<b>Section 15. Regulatory information</b>
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**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****International Inventories**

TSCA	Not determined
EINECS/ELINCS	Not determined



DSL/NDL	Complies
PICCS	Not determined
ENCS	Not determined
IECSC	Not determined
AICS	Not determined
KECL	Not determined

**Legend**

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

INECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List

PICCS - Philippines Inventory of Chemicals and Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

AICS - Australian Inventory of Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

**15.2. Chemical Safety Assessment**

No information available

**Section 16. Other information****Full text of R-phrases referred to under Sections 2 and 3**

R45 - May cause cancer

R65 - Harmful: may cause lung damage if swallowed

R46 - May cause heritable genetic damage

**Full text of H-Statements referred to under sections 2 and 3**

H340 - May cause genetic defects

H350 - May cause cancer

H304 - May be fatal if swallowed and enters airways

**Key literature references and sources for data**

[www.ChemADVISOR.com/](http://www.ChemADVISOR.com/)

Issuing Date 24-Apr-2014

Revision Date 24-Apr-2014

Revision Note Initial Release.

This safety data sheet complies with the requirements of Commission Regulation (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No. 1907/2006

**General Disclaimer**

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet