

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

### 1.1. Product identifier

**Product Name** HT39, HT75, HT150, HT240, HT390, R-300 / R-2300, R-350 / R-2350, R-400 / R-2400, R-450 / R-2450, R-500, R-600, RL 102, RL 103, RL 104, RL 105, RL 106, RL107

### 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
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## Section 2. Hazards identification

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

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

Acute Inhalation Toxicity - Dusts and Mists	Category 4
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#### Physical Hazards

None
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### 2.2. Label Elements



**Signal Word**

Warning

#### Hazard Statements

H332 - Harmful if inhaled

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

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

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**

**3.2. Mixtures**

Chemical Name	EC-No	CAS-No	Weight %	EU - GHS Substance Classification	REACH No.
Residual oils (petroleum), solvent refined	265-101-6	64742-01-4	<100	Carc. 1B (H350)	No data available
Petroleum distillates, solvent-refined light paraffinic	265-091-3	64741-89-5	<100	Carc. 1B (H350)	No data available
Petroleum distillates, solvent-refined heavy paraffinic	265-090-8	64741-88-4	<100	Carc. 1B (H350)	No data available
Petroleum distillates, solvent dewaxed heavy paraffinic	265-169-7	64742-65-0	<100	Carc. 1B (H350)	No data available
Petroleum distillates, hydrotreated heavy paraffinic	265-157-1	64742-54-7	<100	Carc. 1B (H350)	No data available
Petroleum distillates, hydrotreated heavy naphthenic	265-155-0	64742-52-5	<100	Carc. 1B (H350)	No data available
Naphtha (petroleum), hydrotreated heavy	265-150-3	64742-48-9	<100	Muta. 1B (H340) Carc. 1B (H350) Asp. Tox. 1 (H304)	No data available
Chloroalkanes	263-004-3 430-650-4	61788-76-9	<100		No data available

**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.
- Skin Contact** Wash off with warm water and soap. Remove and wash contaminated clothing before re-use. Get medical attention if symptoms occur.
- Ingestion** Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Drink plenty of water. Get medical attention.
- Inhalation** IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Get medical attention.
- Protection of First-aiders** Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

**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	Finland	France	Germany	Gibraltar	Greece
Naphtha (petroleum), hydrotreated heavy 64742-48-9			TWA: 50 ppm TWA: 300 mg/m <sup>3</sup> Ceiling / Peak: 100 ppm Ceiling / Peak: 600 mg/m <sup>3</sup> Repr*		
Chemical Name	The Netherlands	Norway	Poland	Portugal	Spain
Naphtha (petroleum), hydrotreated heavy 64742-48-9			TWA: 300 mg/m <sup>3</sup> STEL: 900 mg/m <sup>3</sup>		
Chemical Name	Switzerland		Sweden	The United Kingdom	
Naphtha (petroleum), hydrotreated heavy 64742-48-9	STEL: 100 ppm STEL: 600 mg/m <sup>3</sup> TWA: 50 ppm TWA: 300 mg/m <sup>3</sup>				

**Biological occupational exposure limits**

This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies

**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** Personal protection equipment should be chosen according to the CEN standards  
**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>	
<b>pH</b>	No data available	None known	
<b>Melting Point/Range</b>	No data available	None known	
<b>Boiling Point/Boiling Range</b>	>315 °C	None known	
<b>Flash Point</b>	> 190 °C	Open cup	
<b>Evaporation rate</b>	No data available	None known	
<b>Flammability (solid, gas)</b>	No data available	None known	
<b>Flammability Limits in Air</b>	No data available	None known	
<b>Vapor Pressure</b>	No data available.	None known	
<b>Vapor Density</b>	No data available.	None known	
<b>Relative Density</b>	0.87 - 0.89	None known	
<b>Water Solubility</b>	Insoluble in water.	None known	
<b>Solubility in other solvents</b>	Soluble in solvents.	None known	
<b>Partition coefficient: n-octanol/water</b>	No data available	None known	
<b>Autoignition Temperature</b>	No data available	None known	
<b>Decomposition Temperature</b>	No data available	None known	
<b>Viscosity</b>	40-480 cSt @ 40°C	None known	
<b>Explosive Properties</b>	No information available		
<b>Oxidizing Properties</b>	No information available		
<u>9.2. Other information</u>			
<b>VOC Content (%)</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

### 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. Information on toxicological effects

#### Acute Toxicity

##### Product Information

##### Inhalation

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

##### Eye Contact

Contact with eyes may cause irritation.

##### Skin Contact

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.

**Ingestion**

Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Petroleum distillates, solvent-refined heavy paraffinic	> 5000 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	> 5530 mg/m <sup>3</sup> ( Rat ) 4 h
Petroleum distillates, solvent-refined light paraffinic	> 15 g/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	> 6000 mg/kg ( Rat )	> 3160 mg/kg ( Rabbit )	> 8500 mg/m <sup>3</sup> ( Rat ) 4 h
Petroleum distillates, hydrotreated heavy naphthenic	> 5000 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	
Petroleum distillates, hydrotreated heavy paraffinic	> 5000 mg/kg ( Rat )	> 5000 mg/kg ( Rabbit )	
Petroleum distillates, solvent dewaxed heavy paraffinic	> 15000 mg/kg ( Rat )	> 5000 mg/kg ( Rabbit )	>4.7 mg/l (rat) 4 hr.

**Respiratory or Skin 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.

**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)
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)

**12.2. Persistence and degradability**

No information available

**12.3. Bioaccumulative potential**

No information available.

**12.4. Mobility in soil**

No information available.

**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

**Section 15. Regulatory information**

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Chemical Name	Restricted substance per REACH Annex XVII	Substance subject to authorization per REACH Annex XIV
Residual oils (petroleum), solvent refined - 64742-01-4	Use restricted. See item 28.	
Petroleum distillates, solvent-refined light paraffinic - 64741-89-5	Use restricted. See item 28.	
Petroleum distillates, solvent-refined heavy paraffinic - 64741-88-4	Use restricted. See item 28.	
Petroleum distillates, solvent dewaxed heavy paraffinic - 64742-65-0	Use restricted. See item 28.	
Petroleum distillates, hydrotreated heavy paraffinic - 64742-54-7	Use restricted. See item 28.	
Petroleum distillates, hydrotreated heavy naphthenic - 64742-52-5	Use restricted. See item 28.	
Naphtha (petroleum), hydrotreated heavy - 64742-48-9	Use restricted. See item 28. Use restricted. See item 29.	

**International Inventories**

TSCA	Not determined
European Union	Not determined



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DSL/NDSL	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  
**DSL/NDSL** - 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 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/)

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Revision Note	Name change.

This safety data sheet complies with the requirements of Commission Regulation (EU) 2015/830 of 28 May 2015 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