

# SAFETY DATA SHEET

# Section 1. Identification

CHS Inc. Transportation Emergency (CHEMTREC) : 1-800-424-9300

P.O. Box 64089 Technical Information 1-651-355-8443 Mail station 525

St. Paul, MN 55164-0089 SDS Information : 1-651-355-8445

Product name : COMMERCIAL MV HYDRAULIC SDS no. : 1455-060740

Common name : Hydraulic Oil. Revision date : 04/16/2018

Chemical formula : Not applicable.

Chemical family : Lubricants

Relevant identified uses of the substance or mixture and uses advised against

Not available.

# Section 2. Hazards identification

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or

mixture

: ASPIRATION HAZARD - Category 1

**GHS** label elements

Hazard pictograms



Signal word : Danger

**Hazard statements** : H304 - May be fatal if swallowed and enters airways.

**Precautionary statements** 

General : Not applicable.

Prevention : Not applicable.

Response : IF SWALLOWED: Immediately call a POISON CENTER or physician. Do NOT induce vomiting.

Storage : Store locked up.

**Disposal** : Dispose of contents and container in accordance with all local, regional, national and international regulations.

Hazards not otherwise classified : None known.

Hazardous Material Information System (U.S.A.) Health: 3 / Flammability: 0 Physical hazards: 0 National Fire Protection Association (U.S.A.) Health: 2 Flammability: 0 Instability: 0

# Section 3. Composition/information on ingredients

Substance/mixture : Mixture

Other means of identification : Hydraulic Oil.

Ingredient name	%	CAS number
Distillates (petroleum), hydrotreated light naphthenic Distillates (petroleum), solvent-dewaxed heavy paraffinic Distillates (petroleum), solvent-dewaxed light paraffinic 2,6-di-tert-Butylphenol	≥25 - ≤50 ≥10 - ≤25 ≥5 - ≤10 <0.25	64742-53-6 64742-65-0 64742-56-9 128-39-2

Any concentration shown as a range is to protect confidentiality.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

### Section 4. First aid measures

#### **Description of necessary first aid measures**

Eye contact : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 20 minutes. Get medical attention if irritation occurs.

Inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiratory or oxygen by trained personnel. It may be

is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Skin contact : Flush contaminated skin with plenty of water. Get medical attention if symptoms occur. Wash clothing before

reuse. Clean shoes thoroughly before reuse.

Ingestion
 Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Aspiration hazard if swallowed. Can enter lungs and cause damage. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. If unconscious, place in

recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

#### Most important symptoms/effects, acute and delayed

#### Potential acute health effects

Eye contact: No known significant effects or critical hazards.Inhalation: No known significant effects or critical hazards.Skin contact: No known significant effects or critical hazards.Ingestion: May be fatal if swallowed and enters airways.

# Over-exposure signs/symptoms

Eye contact: No known significant effects or critical hazards.Inhalation: No known significant effects or critical hazards.Skin contact: No known significant effects or critical hazards.Ingestion: Adverse symptoms may include the following:

nausea or vomiting

### Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested

or inhaled.

**Specific treatments** : No specific treatment.

Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the

person providing aid to give mouth-to-mouth resuscitation.

See toxicological information (Section 11)

# Section 5. Fire-fighting measures

#### **Extinguishing media**

Suitable extinguishing media : Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media :

None known.In a fire or if heated, a pressure increase will occur and the container may burst.

Specific hazards arising from the chemical Hazardous thermal decomposition products

: No specific data.

Special protective actions for fire-fighters

: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters

: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

#### Section 6. Accidental release measures

# Personal precautions, protective equipment and emergency procedures

For non-emergency personnel : No action shall be taken invo

: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

#### Methods and materials for containment and cleaning up

# Spill

: Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

# Section 7. Handling and storage

#### Precautions for safe handling

#### Protective measures

: Put on appropriate personal protective equipment (see Section 8). Do not swallow. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

# Advice on general occupational hygiene

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. See also Section 8 for additional information on hygiene measures. Remove contaminated clothing and protective equipment before entering eating areas.

# Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

# Section 8. Exposure controls/personal protection

#### **Control parameters**

#### Occupational exposure limits

Ingredient name	Exposure limits
Distillates (petroleum), hydrotreated light naphthenic	OSHA PEL (United States, 6/2016).  TWA: 5 mg/m³ 8 hours.  ACGIH TLV (United States, 3/2017).  TWA: 5 mg/m³ 8 hours. Form: Inhalable fraction  NIOSH REL (United States, 10/2016).  TWA: 5 mg/m³ 10 hours. Form: Mist  STEL: 10 mg/m³ 15 minutes. Form: Mist
Distillates (petroleum), solvent-dewaxed heavy paraffinic	OSHA PEL (United States, 6/2016).  TWA: 5 mg/m³ 8 hours.  ACGIH TLV (United States, 3/2017).  TWA: 5 mg/m³ 8 hours. Form: Inhalable fraction  NIOSH REL (United States, 10/2016).  TWA: 5 mg/m³ 10 hours. Form: Mist  STEL: 10 mg/m³ 15 minutes. Form: Mist
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#### Appropriate engineering controls

: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

#### **Environmental exposure controls**

: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

#### Individual protection measures

#### Hygiene measures

: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

#### Eye/face protection

: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

#### Skin protection

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

**Body protection** 

: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection

: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection

: Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

# Section 9. Physical and chemical properties

<u>Appearance</u>	R	Relative density	: 0.86 to 0.89
Physical state	: Liquid.	Evaporation rate	: Not available.
Color	: Amber. Se	Solubility	: Not available.
Odor	: Petroleum.	Solubility in water	: Insoluble.
Odor threshold		Partition coefficient: n-	: Not available.
рН	: Not available.	octanol/water	
Melting point	. INOLAVAIIADIC.	Auto-ignition emperature	: Not available.
Boiling point	. INOLAVAIIADIC.	Decomposition emperature	: Not available.
Flash point	: Closed cup: >146.11°C (>295°F)	SADT	: Not available.
Flammability	: Not available.	/iscosity	: Not available.
Lower and upper	: Not available.	apor pressure	: Not available.
explosive (flammable) limits	V	apor density	: Not available.

# Section 10. Stability and reactivity

Reactivity : No specific test data related to reactivity available for this product or its ingredients.

Chemical stability : The product is stable.

Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid : No specific data.
Incompatible materials : Not available.

Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

# Section 11. Toxicological information

#### Information on toxicological effects

#### **Acute toxicity**

Product/ingredient name	Result	Species	Dose	Exposure
Distillates (petroleum), hydrotreated light naphthenic	LC50 Inhalation Dusts and mists	Rat	2180 mg/m³	4 hours
	LD50 Oral	Rat	>5000 mg/kg	-
Distillates (petroleum), solvent- dewaxed heavy paraffinic	LD50 Dermal	Rabbit	>5000 mg/kg	-
	LD50 Oral	Rat	>5000 mg/kg	-
Distillates (petroleum), solvent- dewaxed light paraffinic	LD50 Dermal	Rabbit	>5000 mg/kg	-
	LD50 Oral	Rat	>5000 mg/kg	-
2,6-di-tert-Butylphenol	LD50 Dermal LD50 Oral	Rabbit Rat	>10 g/kg >5000 mg/kg	-  -

# Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
2,6-di-tert-Butylphenol	Skin - Moderate irritant	Rat	-	0.5 ml	-

#### **Sensitization**

Skin : Not hazardous (per manufacturer).

Respiratory : Not hazardous (per manufacturer).

#### **Mutagenicity**

There is no data available.

#### Carcinogenicity

There is no data available.

#### Reproductive toxicity

There is no data available.

#### **Teratogenicity**

There is no data available.

# Specific target organ toxicity (single exposure)

There is no data available.

#### Specific target organ toxicity (repeated exposure)

There is no data available.

#### **Aspiration hazard**

Name	Result
Distillates (petroleum), hydrotreated light naphthenic Distillates (petroleum), solvent-dewaxed heavy paraffinic	ASPIRATION HAZARD - Category 1

# Information on the likely routes of exposure

: Dermal contact. Eye contact. Inhalation. Ingestion.

# Section 12. Ecological information

#### **Toxicity**

There is no data available.

# Persistence and degradability

There is no data available.

#### Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
2,6-di-tert-Butylphenol	4.5	-	high

# Mobility in soil

Soil/water partition coefficient (Koc)

: Not available.

Other adverse effects

: No known significant effects or critical hazards.

# Section 13. Disposal considerations

#### Disposal methods

: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling empty containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

# Section 14. Transport information

**DOT IDENTIFICATION NUMBER** Not applicable DOT proper shipping name Not applicable.

DOT EMER. RESPONSE GUIDE NO. Not applicable DOT Hazard Class(es) Not applicable Not applicable

### Section 15. Regulatory information

U.S. Federal regulations : TSCA 4(a) final test rules: 2-Butenedioic acid (E)-, di-C8-18-alkyl esters

> TSCA 8(a) PAIR: 2-Butenedioic acid (E)-, di-C8-18-alkyl esters TSCA 8(a) CDR Exempt/Partial exemption: Not determined

United States inventory (TSCA 8b): All components are listed or exempted.

Clean Water Act (CWA) 307: Phosphorodithioic acid, mixed O,O-bis(sec-Bu and isooctyl) esters, zinc salts;

Toluene; Phenol; Benzene

Clean Water Act (CWA) 311: Vinyl acetate: Toluene: Maleic Anhydride: Phenol; Benzene

Clean Air Act Section 602 Class I Substances : Not listed **DEA List I Chemicals (Precursor Chemicals)** : Not listed Clean Air Act Section 602 Class II Substances : Not listed **DEA List II Chemicals (Essential Chemicals)** : Not listed

Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs)

#### SARA 302/304

#### Composition/information on ingredients

	SARA 302 TPQ SARA 304 RQ		SARA 302 TPQ			
Name	%	EHS	(lbs)	(gallons)	(lbs)	(gallons)
Vinyl acetate Phenol	≤0.001 ≤0.00001	Yes. Yes.	1000 500 / 10000	129 -	5000 1000	644.8

SARA 304 RQ : 48614487117.2 lbs / 22070977151.2 kg

SARA 311/312

Hazard classifications : ASPIRATION HAZARD - Category 1

# Composition/information on ingredients

Name	Classification
Distillates (petroleum), solvent-dewaxed heavy paraffinic	ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1

**SARA 313** This product (does/not) contain toxic chemicals subject to the reporting requirements of SARA Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.

Product name	CAS number	%
Not applicable.		

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

# State regulations

Massachusetts The following components are listed: Distillates (petroleum), solvent-dewaxed heavy paraffinic; Distillates (petroleum), hydrotreated light naphthenic; Distillates (petroleum), solvent-dewaxed light paraffinic

None of the components are listed. **New York** 

The following components are listed: Distillates (petroleum), solvent-dewaxed heavy paraffinic; Distillates **New Jersey** 

(petroleum), hydrotreated light naphthenic; Distillates (petroleum), solvent-dewaxed light paraffinic

Pennsylvania None of the components are listed.

#### California Prop. 65



WARNING: This product can expose you to Benzene, which is known to the State of California to cause cancer and birth defects or other reproductive harm. This product can expose you to chemicals including Ethyl acrylate, which is known to the State of California to cause cancer, and Toluene, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www. P65Warnings.ca.gov.

		<u> </u>
Ingredient name		Maximum acceptable dosage level
Toluene	-	Yes.
Ethyl acrylate	-	-
Benzene	Yes.	Yes.

# Section 16. Other information

: 04/16/2018 **Revision date** Supersedes : Not applicable

Revised Section(s) : Not applicable. Prepared by : KMK Regulatory Services Inc.

Notice to reader
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