



HOUGHTON

# SAFETY DATA SHEET

Issuing Date: 07-17-2015

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Version 1

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product identifier

**Product Code(s):** 10144801-M  
**Product Name** DASCO WAY 68

**Recommended use** Lubricant  
**Uses advised against** Any other purpose.

### **Manufacturer, Importer, Supplier**

Houghton International Inc.  
Madison & Van Buren Aves.  
Valley Forge, PA 19482  
Telephone: 610-666-4000 FAX: 610-666-1376  
Website: www.houghtonintl.com  
Customer Service: 888-459-9844

Houghton Canada  
915 Meyerside Drive  
Mississauga  
ON LST 1R8

### Emergency telephone number

3E Company 1-866-519-4752 (USA, Canada, Mexico)  
Company Access Code: 333938

## SECTION 2: HAZARDS IDENTIFICATION

### Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin sensitization
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Category 1
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### GHS Label elements, including precautionary statements

**Signal Word**  
Warning

**Hazard Statements**  
May cause an allergic skin reaction



### **Precautionary Statements**

**Precautionary Statements - Prevention**  
Avoid breathing dust/fume/gas/mist/vapors/spray

Contaminated work clothing should not be allowed out of the workplace

Wear protective gloves

**Precautionary Statements - Response**

Specific treatment is urgent (see supplemental first aid instructions on this label)

**Skin**

IF ON SKIN: Wash with plenty of soap and water

If skin irritation or rash occurs: Get medical advice/attention

Wash contaminated clothing before reuse

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

Not applicable

**Other information**

Not applicable

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

This product is a mixture. Health hazard information is based on its ingredients.

Chemical Name	CAS-No	Weight %
Highly refined, low viscosity mineral oils/hydrocarbons (Viscosity >7 - <20.5 cSt @40°C)	-	25% - 60%
Highly refined base oil (Viscosity >20.5 cSt @40°C)	-	25% - 60%
Long-chain alkyl amine	NOT AVAILABLE	0% - 1%

**Additional information**

Product containing mineral oil with less than 3% DMSO extract as measured by IP 346. See Section 15 for additional information on base oils.

### SECTION 4: FIRST AID MEASURES

**4.1. Description of first-aid measures**

<b>General advice</b>	Do not get in eyes, on skin, or on clothing. May produce an allergic reaction. When symptoms persist or in all cases of doubt seek medical advice.
<b>Inhalation</b>	Move to fresh air.
<b>Skin contact</b>	Wash off immediately with plenty of water for at least 15 minutes. Remove and wash contaminated clothing before re-use. If symptoms persist, call a physician.
<b>Eye contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.
<b>Ingestion</b>	Clean mouth with water and afterwards drink plenty of water. Do not induce vomiting without medical advice.
<b>Protection of First-aiders</b>	Use personal protective equipment. Avoid contact with skin, eyes and clothing.

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

**Main Symptoms** Rash, Redness, Itching, May cause allergic skin reaction

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

**Notes to physician** Treat symptomatically. May cause sensitization of susceptible persons.

### 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; Use CO2, dry chemical, or foam, Water spray or fog, Cool containers / tanks with water spray

#### **Extinguishing media which shall not be used for safety reasons**

Do not use a solid water stream as it may scatter and spread fire

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

#### **Special Hazard**

In the event of fire and/or explosion do not breathe fumes. Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke). This material creates a fire hazard because it floats on water. Thermal decomposition can lead to release of irritating gases and vapors.

#### **Hazardous Decomposition Products**

Incomplete combustion and thermolysis produces potentially toxic gases such as carbon monoxide and carbon dioxide

### 5.3. Advice for firefighters

#### **Special protective equipment for fire-fighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

Remove all sources of ignition. Ensure adequate ventilation. Use personal protective equipment. Avoid contact with skin, eyes and clothing.

#### **Advice for non-emergency personnel**

Material can create slippery conditions.

**Advice for emergency responders** For personal protection see section 8.

### 6.2. Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system.

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

After cleaning, flush away traces with water.

### 6.4. Reference to other sections

See Section 8/12/13 for additional information

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Ensure adequate ventilation. Do not eat, drink or smoke when using this product. Handle in accordance with good industrial hygiene and safety practice. Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Keep away from open flames, hot surfaces and sources of ignition.

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

**Technical measures/Storage conditions**

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

**Recommended Shelf Life**

No information available.

**Incompatible Materials**

Strong oxidizing agents, Strong acids, Strong bases

**7.3. Specific end uses**

**Specific use(s)** Lubricant

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

**Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH	AIHA WEEL
Highly refined, low viscosity mineral oils/hydrocarbons (Viscosity >7 - <20.5 cSt @40°C) -	5 mg/m <sup>3</sup> as mist	5 mg/m <sup>3</sup> as mist		
Highly refined base oil (Viscosity >20.5 cSt @40°C) -	5 mg/m <sup>3</sup> as mist	5 mg/m <sup>3</sup> as mist		

Hydrocarbon solvent vapor mixtures which do not have substance specific occupational exposure limits may be evaluated by the Reciprocal Calculation Procedure (RCP) which assigns a recommended occupational exposure limit based on the mass composition and hydrocarbon group guidance values (GGVs). Applicable recommended occupational exposure limits are shown in the table below.

Chemical Name	RCP OEL	Manufacturer
Distillates (petroleum), hydrotreated middle 64742-46-7	RCP: TWA 1200 mg/m <sup>3</sup> 143ppm	

**Exposure controls**

**Engineering Measures** Showers  
Eyewash stations  
Ventilation systems.

**Individual protection measures, such as personal protective equipment**

- Eye/Face Protection** Tightly fitting safety goggles.
- Skin and body protection** Wear protective gloves/clothing.
- Respiratory protection** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Respiratory protection must be provided in accordance with current local regulations.
- Hygiene measures** Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Do not eat, drink or smoke when using this product. Handle in accordance with good industrial hygiene and safety practice.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

<b>Physical state @20°C</b>	liquid	<b>Appearance</b>	clear amber
<b>Odor</b>	Mild Petroleum distillates	<b>Odor Threshold</b>	Not Applicable

<u>Property</u>	<u>Values</u>	<u>Note</u>
<b>pH</b>	No information available	
<b>Melting Point / Freezing Point</b>	No information available	
<b>Boiling point/boiling range</b>	> 204 °C / > 399 °F	
<b>Flash point</b>	> 204 °C / > 399 °F	Open cup
<b>Evaporation rate</b>	No information available	
<b>Flammability (solid, gas)</b>	Not flammable.	
<b>Flammability Limits in Air</b>		
<b>upper flammability limit</b>	No information available	
<b>Lower flammability limit</b>	No information available	
<b>Vapor pressure</b>	No information available	
<b>Vapor density</b>	No information available	
<b>Relative density</b>	0.874	@15.5°C
<b>Solubility(ies)</b>	Insoluble in water	
<b>Partition coefficient: n-octanol/water</b>	Not Applicable	
<b>Autoignition temperature</b>	No information available	
<b>Decomposition temperature</b>	No information available	
<b>Viscosity, kinematic</b>	~ 61.2 cSt @ 40 °C	
<b>Explosive properties</b>	Not Applicable	
<b>Oxidizing Properties</b>	Not Applicable	

### 9.2 Other information

<b>Viscosity, kinematic (100°C)</b>	No information available
<b>Pour point</b>	No information available
<b>VOC Content (ASTM E-1868-10)</b>	No information available
<b>VOC Content</b>	No information available

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

None under normal use conditions

### 10.2. Chemical stability

Stable under normal conditions

### 10.3. Possibility of hazardous reactions

None under normal use conditions

### 10.4. Conditions to avoid

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

### 10.5. Incompatible Materials

Strong oxidizing agents, Strong acids, Strong bases

### 10.6. Hazardous decomposition products

Incomplete combustion and thermolysis produces potentially toxic gases such as carbon monoxide and carbon dioxide.

## SECTION 11: TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

<b>Product Information</b>	There is no data available for this product
<b>Inhalation</b>	There is no data available for this product.
<b>Eye contact</b>	There is no data available for this product.
<b>Skin contact</b>	Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.
<b>Ingestion</b>	There is no data available for this product.

### **Component Information**

Chemical Name	LD50 Oral (Rat)	LD50 Dermal (Rat/Rabbit)	LC50 Inhalation
Highly refined, low viscosity mineral oils/hydrocarbons (Viscosity >7 - <20.5 cSt @40°C) -	>2000 mg/kg	>2000 mg/kg	
Highly refined base oil (Viscosity >20.5 cSt @40°C) -	>2000 mg/kg	>2000 mg/kg	
Long-chain alkyl amine NOT AVAILABLE	612 mg/kg ( Rat )	251 mg/kg ( Rat )	

### Information on toxicological effects

<b>Symptoms</b>	Repeated or prolonged skin contact may cause skin irritation and/or dermatitis and sensitization of susceptible persons. Symptoms of allergic reaction may include rash, itching, swelling, trouble breathing, tingling of the hands and feet, dizziness, lightheadedness, chest pain, muscle pain, or flushing. Prolonged skin contact may defat the skin and produce dermatitis.
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### Delayed and immediate effects as well as chronic effects from short and long-term exposure

<b>Sensitization</b>	May cause sensitization by skin contact.
<b>Germ Cell Mutagenicity</b>	None known.
<b>Carcinogenicity</b>	None known.
<b>Reproductive toxicity</b>	None known.
<b>Specific target organ systemic toxicity (single exposure)</b>	None known.
<b>Specific target organ systemic toxicity (repeated exposure)</b>	None known.
<b>Aspiration hazard</b>	None known.

## SECTION 12: ECOLOGICAL INFORMATION

### Ecotoxicity

No special environmental measures are necessary

**Persistence and degradability**

The product is not readily biodegradable, but it can be degraded by micro-organisms, it is regarded as being inherently biodegradable.

**Bioaccumulation**

No information available.

**Mobility**

The product is insoluble and floats on water. Is not likely mobile in the environment due its low water solubility.

**Other adverse effects**

No information available

**SECTION 13: DISPOSAL CONSIDERATIONS**

**Waste treatment**

**Waste Disposal Methods**

Dispose of in accordance with federal, state, and local regulations.

**Contaminated packaging**

Observe all label precautions until container is cleaned, reconditioned or destroyed.

**SECTION 14: TRANSPORT INFORMATION**

**DOT**

Not regulated

**TDG**

Not regulated

**ICAO/IATA**

Not regulated

**IMDG/IMO**

Not regulated

**SECTION 15: REGULATORY INFORMATION**

**International Inventories**

<b>TSCA</b>	Complies
<b>DSL</b>	Complies
<b>AICS</b>	Complies
<b>PICCS</b>	Complies
<b>KECL</b>	Complies
<b>IECSC</b>	Complies
<b>ENCS</b>	Does not Comply

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

**AICS** - Australian Inventory of Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**U.S. Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**SARA 311/312 Hazard Categories**

<b>Acute Health Hazard</b>	Yes
<b>Chronic Health Hazard</b>	no





White mineral oil (petroleum)	8042-47-5
C18-C50 branched, cyclic and linear hydrocarbons – Distillates	848301-69-9

The highly refined, low viscosity mineral oils/hydrocarbons (Viscosity >7 - <20.5 cSt @40°C) contains one or more substance with the following CAS/EC numbers/REACH registration numbers:

Chemical Name	CAS-No
Distillates (petroleum), straight-run middle	64741-44-2
Distillates (petroleum), heavy hydrocracked	64741-76-0
Distillates (petroleum), solvent-refined light paraffinic	64741-89-5
Distillates (petroleum), hydrotreated middle	64742-46-7
Distillates (petroleum), hydrotreated middle	64742-46-7
Distillates (petroleum), hydrotreated light	64742-47-8
Distillates (petroleum), hydrotreated light naphthenic	64742-53-6
Distillates (petroleum), hydrotreated heavy paraffinic	64742-54-7
Distillates (petroleum), hydrotreated light paraffinic	64742-55-8
Distillates, petroleum, solvent-dewaxed light paraffinic	64742-56-9
Distillates (petroleum), solvent-dewaxed heavy, paraffinic	64742-65-0
Paraffin oils (petroleum), catalytic dewaxed light	64742-71-8
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based	72623-86-0
Lubricating oils (petroleum), C20-C50, hydrotreated neutral oil-based	72623-87-1
White mineral oil (petroleum)	8042-47-5
C18-C50 branched, cyclic and linear hydrocarbons – Distillates	848301-69-9
Hydrocarbons, C14-C19, isoalkanes, cyclics, <2% aromatics	NOT AVAILABLE

## SECTION 16: OTHER INFORMATION

**NFPA**                      **Health Hazard** 2                      **Flammability** 1                      **Instability** 0                      **Physical and chemical hazards** -

### Key or legend to abbreviations and acronyms used in the safety data sheet

STOT SE - Specific target organ systemic toxicity (Single exposure)  
 STOT RE - Specific target organ systemic toxicity (repeated exposure)  
 TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
 VOC - Volatile organic compounds

**Issuing Date:** 07-17-2015

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### Revision Note

No information available

### Disclaimer

The information provided in this Safety Data Sheet 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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text.

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