



## SAFETY DATA SHEET

in accordance with 1907/2006/EC (REACH, as amended by 2015/830/EU) and 29 CFR 1910.1200

Revision date: 26 April 2018

Initial date of issue: 6 July 2007

SDS No. 207A-17a

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

#### 1.1. Product identifier

274 Industrial Degreaser (Aerosol)

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

Petroleum base cleaner. Dissolves grease, oil, tar and other similar water insoluble soils generally encountered in the industrial and marine environments.

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

##### Company:

A.W. CHESTERTON COMPANY  
860 Salem Street  
Groveland, MA 01834-1507, USA  
Tel. +1 978-469-6446 Fax: +1 978-469-6785  
(Mon. - Fri. 8:30 - 5:00 PM EST)  
SDS requests: [www.chesterton.com](http://www.chesterton.com)  
E-mail (SDS questions): [ProductMSDSs@chesterton.com](mailto:ProductMSDSs@chesterton.com)  
E-mail: [customer.service@chesterton.com](mailto:customer.service@chesterton.com)

##### Supplier:

Canada: A.W. Chesterton Company Ltd., 889 Fraser Drive,  
Unit 105, Burlington, Ontario L7L 4X8 - Tel. 905-335-5055  
EU: Chesterton International GmbH, Am Lenzenfleck 23,  
D85737 Ismaning, Germany – Tel. +49-89-996-5460

#### 1.4. Emergency telephone number

24 hours per day, 7 days per week  
Call Infotrac: 1-800-535-5053  
Outside N. America: +1 352-323-3500 (collect)  
NSW Poisons Information Centre (Australia): 13 11 26

### SECTION 2: HAZARDS IDENTIFICATION

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

##### 2.1.1. Classification according to Regulation (EC) No 1272/2008 [CLP]

Aerosol 1, H222, H229  
Asp. Tox. 1, H304\*  
EUH066

##### 2.1.2. Classification according to 29 CFR 1910.1200 / WHMIS 2015

Flam. Aerosol 1, H222  
Asp. Tox. 1, H304  
Compressed gas, H280

##### 2.1.3. Classification according to WHMIS 1988

B5: Flammable aerosols; A: Compressed gases

##### 2.1.4. Australian statement of hazardous nature

Hazardous according to criteria of Safe Work Australia.

##### 2.1.5. Additional information

For full text of H-statements: see SECTIONS 2.2 and 16.

\*Labelling not required for aerosols containing substances or mixtures classified as presenting an aspiration hazard, under Article 23 of the CLP.

**2.2. Label elements****2.2.1. Labelling according to Regulation (EC) No 1272/2008 [CLP]****Hazard pictograms:****Signal word:** Danger

**Hazard statements:** H222 Extremely flammable aerosol.  
H229 Pressurized container: May burst if heated.

**Precautionary statements:** P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P211 Do not spray on an open flame or other ignition source.  
P251 Do not pierce or burn, even after use.  
P260 Do not breathe vapours/spray.  
P262 Do not get in eyes, on skin, or on clothing.  
P410/412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C.

**Supplemental information:** EUH066 Repeated exposure may cause skin dryness or cracking.

**2.2.2. Labelling according to 29 CFR 1910.1200 / WHMIS 2015****Hazard pictograms:****Signal word:** Danger

**Hazard statements:** H222 Extremely flammable aerosol.  
H280 Contains gas under pressure; may explode if heated.  
H304 May be fatal if swallowed and enters airways.

**Precautionary statements:** P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P211 Do not spray on an open flame or other ignition source.  
P251 Pressurized container: Do not pierce or burn, even after use.  
P260C Do not breathe vapours/spray.  
P262 Do not get in eyes, on skin, or on clothing.  
P301/310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
P331 Do NOT induce vomiting.  
P403 Store in a well-ventilated place.  
P405 Store locked up.  
P410/412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C.  
P501A Dispose of contents/container to ... (in accordance with local/regional/national/international regulations [to be specified]) and WHMIS 2015

**Supplemental information:** Repeated exposure may cause skin dryness or cracking.

**2.3. Other hazards**

As with any organic solvent based product, care should be taken to avoid excessive inhalation of vapors. This is especially important in enclosed areas or areas with poor ventilation.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.2. Mixtures**

Hazardous Ingredients <sup>1</sup>	% Wt.	CAS No./ EC No.	REACH Reg. No.	CLP/GHS Classification
Naphtha (petroleum), hydrotreated heavy*	80-90	64742-48-9 265-150-3	NA	Flam. Liq. 4, H227*** Asp. Tox. 1, H304 EUH066
Propane**	5-10	74-98-6 200-827-9	NA	Flam. Gas 1, H220 Press. Gas (Comp.), H280 Simple Asphyx. (US/Can.)
Butane**	5-10	106-97-8 203-448-7	NA	Flam. Gas 1, H220 Press. Gas (Comp.), H280 Simple Asphyx. (US/Can.)

\*Contains less than 0.1 % w/w Benzene. \*\*Contains less than 0.1 % w/w 1,3-Butadiene. \*\*\*Non-CLP classification.

<sup>1</sup> Classified according to: \* 29 CFR 1910.1200, 1915, 1916, 1917, Mass. Right-to-Know Law (ch. 40, M.G.L..O. 111F), California Proposition 65  
\* 1272/2008/EC, REACH  
\* WHMIS 2015  
\* Safe Work Australia

#### SECTION 4: FIRST AID MEASURES

##### 4.1. Description of first aid measures

**Inhalation:** Remove to fresh air. If not breathing, administer artificial respiration. Contact physician immediately.

**Skin contact:** Wash skin with soap and water. Contact physician if irritation persists.

**Eye contact:** Flush eyes for at least 15 minutes with large amounts of water. Contact physician if irritation persists.

**Ingestion:** Do not induce vomiting. Contact physician immediately.

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

Direct eye contact may result in eye irritation. Vapor concentrations above recommended exposure levels are irritating to the eyes and the respiratory tract, may cause headaches and dizziness, are anaesthetic and may have other central nervous system effects. Prolonged or repeated skin contact may defat the skin and cause skin irritation. Aspiration into the lungs may cause chemical pneumonitis or pulmonary oedema.

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

Treat symptoms.

#### SECTION 5: FIREFIGHTING MEASURES

##### 5.1. Extinguishing media

**Suitable extinguishing media:** Carbon dioxide, dry chemical, foam or water spray

**Unsuitable extinguishing media:** High volume water jet

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

Pressurized containers, when heated, are a potential explosive hazard.

##### 5.3. Advice for firefighters

Cool exposed containers with water. Recommend Firefighters wear self-contained breathing apparatus.

**Flammability Classification:** NFPA: Storage Level III; 16CFR 1500.3 Extremely flammable aerosol

**HAZCHEM Emergency Action Code:** 2 Y

#### SECTION 6: ACCIDENTAL RELEASE MEASURES

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

Utilize exposure controls and personal protection as specified in Section 8.

##### 6.2. Environmental Precautions

Keep out of sewers, streams and waterways.

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

Evacuate area. Provide adequate ventilation. Contain spill to a small area. Keep away from sources of ignition - No smoking. If removal of ignition sources is not possible, then flush material away with water. Pick up with absorbent material (sand, sawdust, clay, etc.) and place in a suitable container for disposal.

##### 6.4. Reference to other sections

Refer to section 13 for disposal advice.

#### SECTION 7: HANDLING AND STORAGE

##### 7.1. Precautions for safe handling

Shake well before using. Keep away from sources of ignition - No smoking. After handling, wash before eating, drinking or smoking. Vapors are heavier than air and will collect in low areas. Vapor accumulations could flash and/or explode if ignited. Utilize exposure controls and personal protection as specified in Section 8.

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

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C (120°F). Do not pierce or burn, even after use.

##### 7.3. Specific end use(s)

No special precautions.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1. Control parameters****Occupational exposure limit values**

Ingredients	OSHA PEL <sup>1</sup>		ACGIH TLV <sup>2</sup>		UK WEL <sup>3</sup>		AUSTRALIA ES <sup>4</sup>	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Naphtha (petroleum), hydrotreated heavy*	–	–	–	–	–	–	–	–
Propane	1000	1800	*	–	–	–	*	–
Butane	–	–	1000	–	600	1450	800	1900
					STEL: 750	810		

\*Chesterton recommended limit: 171 ppm (1200 mg/m<sup>3</sup>).

<sup>1</sup> United States Occupational Health & Safety Administration permissible exposure limits.

<sup>2</sup> American Conference of Governmental Industrial Hygienists threshold limit values.

<sup>3</sup> EH40 Workplace exposure limits, Health & Safety Executive

<sup>4</sup> Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003].

**8.2. Exposure controls****8.2.1. Engineering measures**

Use only in well-ventilated areas. If exposure limits are exceeded, provide adequate ventilation. Vapors are heavier than air and will collect in low areas.

**8.2.2. Individual protection measures**

**Respiratory protection:** Not normally needed. If exposure limits are exceeded, use approved organic vapor respirator (e.g., EN filter type A).

**Protective gloves:** Chemical resistant gloves (e.g. Viton\*, neoprene, nitrile). \*DuPont's registered trademark.

**Eye and face protection:** Safety glasses

**Other:** Impervious clothing (e.g. Viton\*, neoprene or nitrile) as necessary to prevent skin contact. \*DuPont's registered trademark.

**8.2.3. Environmental exposure controls**

Refer to sections 6 and 12.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES****9.1. Information on basic physical and chemical properties**

<b>Physical state</b>	low viscosity liquid	<b>Odour</b>	mild odor
<b>Colour</b>	clear	<b>Odour threshold</b>	not determined
<b>Initial boiling point</b>	188°C (370°F), product only	<b>Vapour pressure @ 20°C</b>	not applicable
<b>Melting point</b>	not determined	<b>% Aromatics by weight</b>	≤ 0.01%, product only
<b>% Volatile (by volume)</b>	100%	<b>pH</b>	not applicable
<b>Flash point</b>	61°C (142°F), product only	<b>Relative density</b>	0.77 kg/l
<b>Method</b>	Closed Cup	<b>Weight per volume</b>	6.4 lbs/gal.
<b>Viscosity</b>	not determined	<b>Coefficient (water/oil)</b>	< 1
<b>Autoignition temperature</b>	227°C (440°F), product only	<b>Vapour density (air=1)</b>	> 1
<b>Decomposition temperature</b>	not determined	<b>Rate of evaporation (ether=1)</b>	< 1
<b>Upper/lower flammability or explosive limits</b>	LEL 1.2; UEL 9.9	<b>Solubility in water</b>	negligible
<b>Flammability (solid, gas)</b>	not applicable	<b>Oxidising properties</b>	not determined
<b>Explosive properties</b>	not determined		

**9.2. Other information**

None

**SECTION 10: STABILITY AND REACTIVITY****10.1. Reactivity**

Refer to sections 10.3 and 10.5.

**10.2. Chemical stability**

Stable

**10.3. Possibility of hazardous reactions**

No dangerous reactions known under conditions of normal use.

**10.4. Conditions to avoid**

Open flames, heat, sparks and red hot surfaces.

**10.5. Incompatible materials**

Reactive metals and strong oxidizers like liquid Chlorine and concentrated Oxygen.

**10.6. Hazardous decomposition products**

Carbon Monoxide, aldehydes and other toxic fumes.

**SECTION 11: TOXICOLOGICAL INFORMATION****11.1. Information on toxicological effects**

**Primary route of exposure under normal use:** Inhalation, skin and eye contact. Personnel with pre-existing dermatitis may be aggravated by exposure.

Information is based on available data on product components. Product as a whole has not been evaluated.

**Acute toxicity -****Oral:**

Based on available data, the classification criteria are not met.

Substance	Test	Result
Naphtha (petroleum), hydrotreated heavy	LD50	> 10000 mg/kg

**Dermal:**

Based on available data, the classification criteria are not met.

Substance	Test	Result
Naphtha (petroleum), hydrotreated heavy	LD50	> 3160 mg/kg

**Inhalation:**

Vapor concentrations above recommended exposure levels are irritating to the eyes and the respiratory tract, may cause headaches and dizziness, are anaesthetic and may have other central nervous system effects. Based on available data, the classification criteria are not met.

Substance	Test	Result
Petroleum gases, liquefied, sweetened	LC50, rat, 4 h	658 mg/l
Propane	LC50, rat, 4 hours	658 mg/l
Butane	LC50, rat, 4 hours	30957 mg/m <sup>3</sup>

**Skin corrosion/irritation:**

Repeated exposure may cause skin dryness or cracking.

**Serious eye damage/irritation:**

Naphtha (petroleum), hydrotreated heavy: based on available data, the classification criteria are not met; May cause mild eye irritation.

**Respiratory or skin sensitisation:**

Substance	Test	Result
Naphtha (petroleum), hydrotreated heavy	Skin sensitization, read-across	Not sensitizing

**Germ cell mutagenicity:**

Based on available data, the classification criteria are not met.

**Carcinogenicity:**

As per 29 CFR 1910.1200 (Hazard Communication), this product contains no carcinogens as listed by the National Toxicology Program (NTP), the International Agency for Research on Cancer (IARC), the Occupational Safety and Health Administration (OSHA) or Regulation (EC) No 1272/2008.

**Reproductive toxicity:**

Naphtha (petroleum), hydrotreated heavy: based on available data, the classification criteria are not met.

**STOT-single exposure:**

Naphtha (petroleum), hydrotreated heavy: not expected to cause organ damage from a single exposure.

**STOT-repeated exposure:**

Naphtha (petroleum), hydrotreated heavy: based on available data, the classification criteria are not met.

**Aspiration hazard:** Aspiration into the lungs may cause chemical pneumonitis or pulmonary oedema.

**Other information:** None

## SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicological data have not been determined specifically for this product. The information given below is based on a knowledge of the components and the ecotoxicology of similar substances.

### 12.1. Toxicity

Not expected to be harmful to aquatic organisms.

### 12.2. Persistence and degradability

Naphtha (petroleum), hydrotreated heavy: can degrade in air; may biodegrade. This substance is expected to be removed in a wastewater treatment facility.

### 12.3. Bioaccumulative potential

Not determined

### 12.4. Mobility in soil

Liquid. Insoluble in water. Floats on water. In determining environmental mobility, consider the product's physical and chemical properties (see Section 9). The hazardous ingredients will rapidly evaporate to the air if released into the environment.

### 12.5. Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

### 12.6. Other adverse effects

None known

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

Incinerate absorbed material with a properly licensed facility. Incinerate pressurized or sealed containers in an approved facility. Check local, state and national/federal regulations and comply with the most stringent requirement. This product is classified as a hazardous waste according to 2008/98/EC.

## SECTION 14: TRANSPORT INFORMATION

### 14.1. UN number

**ADR/RID/ADN/IMDG/ICAO:** UN1950  
**TDG:** UN1950  
**US DOT:** UN1950

### 14.2. UN proper shipping name

**ICAO:** Aerosols, Flammable  
**IMDG:** Aerosols  
**ADR/RID/ADN:** Aerosols, *flammable*  
**TDG:** Aerosols, *flammable*  
**US DOT:** Aerosols, *flammable*

### 14.3. Transport hazard class(es)

**ADR/RID/ADN/IMDG/ICAO:** 2.1  
**TDG:** 2.1  
**US DOT:** 2.1

### 14.4. Packing group

**ADR/RID/ADN/IMDG/ICAO:** NOT APPLICABLE  
**TDG:** NOT APPLICABLE  
**US DOT:** NOT APPLICABLE

### 14.5. Environmental hazards

NO ENVIRONMENTAL HAZARDS

### 14.6. Special precautions for user

NO SPECIAL PRECAUTIONS FOR USER

### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

NOT APPLICABLE

### 14.8. Other information

**US DOT:** Shipped as Consumer Commodity ORM-D in packaging having a rated capacity gross weight of 66 lb. or less (49 CFR 173.306(i)). ERG NO. 126  
**IMDG:** EmS. F-D, S-U, Shipped as Limited Quantity  
**ADR:** Classification code 5F, Tunnel restriction code (E), Shipped as Limited Quantity

**SECTION 15: REGULATORY INFORMATION****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****15.1.1. EU regulations****Authorisations under Title VII:** Not applicable**Restrictions under Title VIII:** None**Other EU regulations:** Directive 75/324/EEC on the approximation of the laws of the Member States relating to aerosol dispensers. Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances Moderate eye and skin irritant (Petroleum products, qualifying quantities: 2 500 t, 25 000 t).**15.1.2. National regulations****US EPA SARA TITLE III****312 Hazards:**Immediate  
Fire  
Pressure Release**313 Chemicals:**

None

**TSCA:** All chemical components are listed in the TSCA inventory.**Other national regulations:** National implementations of the EC Directives referred to in section 15.1.1.**15.2. Chemical safety assessment**

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

**SECTION 16: OTHER INFORMATION****Abbreviations and acronyms:** ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

ATE: Acute Toxicity Estimate

BCF: Bioconcentration Factor

cATpE: Converted Acute Toxicity point Estimate

CLP: Classification Labelling Packaging Regulation (1272/2008/EC)

ES: Exposure Standard

GHS: Globally Harmonized System

ICAO: International Civil Aviation Organization

IMDG: International Maritime Dangerous Goods

LC50: Lethal Concentration to 50 % of a test population

LD50: Lethal Dose to 50% of a test population

LOEL: Lowest Observed Effect Level

N/A: Not Applicable

NA: Not Available

NOEC: No Observed Effect Concentration

NOEL: No Observed Effect Level

OECD: Organization for Economic Co-operation and Development

PBT: Persistent, Bioaccumulative and Toxic substance

(Q)SAR: Quantitative Structure-Activity Relationship

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (1907/2006/EC)

REL: Recommended Exposure Limit

RID: Regulations concerning the International Carriage of Dangerous Goods by Rail

SDS: Safety Data Sheet

STEL: Short Term Exposure Limit

STOT RE: Specific Target Organ Toxicity, Repeated Exposure

STOT SE: Specific Target Organ Toxicity, Single Exposure

TDG: Transportation of Dangerous Goods (Canada)

TWA: Time Weighted Average

US DOT: United States Department of Transportation

vPvB: very Persistent and very Bioaccumulative substance

WEL: Workplace Exposure Limit

WHMIS: Workplace Hazardous Materials Information System

Other abbreviations and acronyms can be looked up at [www.wikipedia.org](http://www.wikipedia.org).**Key literature references and sources for data:** Commission des normes, de l'équité, de la santé et de la sécurité du travail (CNESST)  
Chemical Classification and Information Database (CCID)

European Chemicals Agency (ECHA) - Information on Chemicals

Hazardous Substances Information System (HSIS)

National Institute of Technology and Evaluation (NITE)

Swedish Chemicals Agency (KEMI)

U.S. National Library of Medicine Toxicology Data Network (TOXNET)

**Procedure used to derive the classification for mixtures according to Regulation (EC) No 1272/2008 [CLP]:**

Classification	Classification procedure
Aerosol 1, H222, H229	On basis of components
Asp. Tox. 1, H304	On basis of components
EUH066	Bridging principle "Dilution"

**Relevant H-statements:** H220: Extremely flammable gas.  
H280: Contains gas under pressure; may explode if heated.  
H304: May be fatal if swallowed and enters airways.  
H227: Combustible liquid.

**Hazard pictogram names:** Flame, Gas cylinder, health hazard

**Changes to the SDS in this revision:** Section 1.3.

**Revision date:** 26 April 2018

**Further information:** None

This information is based solely on data provided by suppliers of the materials used, not on the mixture itself. No warranty is expressed or implied regarding the suitability of the product for the user's particular purpose. The user must make their own determination as to suitability.