



## SAFETY DATA SHEET

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

**Revision date:** 26 April 2018      **Initial date of issue:** 3 July 2007      **SDS No.** 310B-8a

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

#### 1.1. Product identifier

**Product name:** 277 Metal Surface Degreaser (Bulk)  
**Substance name:** Naphtha (petroleum), light alkylate  
**EC No.:** 265-068-8/921-728-3  
**REACH Registration No.:** 01-2119471305-42  
**CAS No.:** 64741-66-8/90622-56-3

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

Petroleum base cleaner.

#### 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)

### SECTION 2: HAZARDS IDENTIFICATION

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

##### 2.1.1. Classification according to Regulation (EC) No 1272/2008 [CLP] / 29 CFR 1910.1200 / WHMIS 2015 / GHS

Flam. Liq. 2, H225  
Asp. Tox. 1, H304  
STOT SE 3, H336  
Skin Irrit. 2, H315  
Aquatic Chronic 2, H411

##### 2.1.2. Classification according to WHMIS 1988

B2: Flammable liquids

##### 2.1.3. Australian statement of hazardous nature

Hazardous according to criteria of Safe Work Australia.

##### 2.1.4. Additional information

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

**2.2. Label elements**

Labelling according to Regulation (EC) No 1272/2008 [CLP] / 29 CFR 1910.1200 / WHMIS 2015 / GHS

Hazard pictograms:



Signal word: Danger

Hazard statements:

H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.

Precautionary statements:

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P260	Do not breathe vapours/spray.
P262	Do not get in eyes, on skin, or on clothing.
P280	Wear protective gloves.
P301/310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P331	Do NOT induce vomiting.
P370/378	In case of fire: Use ... to extinguish.
P403/233	Store in a well-ventilated place. Keep container tightly closed.

Supplemental information: None

**2.3. Other hazards**

None known

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.1. Substances**

Hazardous Ingredients <sup>1</sup>	% Wt.	CAS No.	EC No.
Naphtha (petroleum), light alkylate*	100	64741-66-8 90622-56-3	265-068-81 921-728-3

For full text of H-statements: see SECTION 16.

\*Contains less than 0.1 % w/w Benzene.

<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 [NOHSC: 1008 (2004)]

**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. Take off contaminated clothing and wash it before reuse. Contact physician if irritation persists.

**Eye contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Contact physician if irritation persists.

**Ingestion:** Do not induce vomiting. Any material aspirated during vomiting may cause lung injury. Contact physician immediately.

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

Aspiration into the lungs may cause chemical pneumonitis or pulmonary oedema. Inhalation of vapor concentrations in excess of 300 ppm will cause eye and respiratory tract irritation, dizziness, headache and other central nervous system effects. Direct contact may cause mild eye irritation. Moderate skin irritant.

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

Treat symptoms.

**SECTION 5: FIRE-FIGHTING MEASURES****5.1. Extinguishing media**

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

**Unsuitable extinguishing media:** Water jets

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

Hazardous combustion products: Carbon Monoxide, aldehydes and other toxic fumes.

**5.3. Advice for firefighters**

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

**Flammability Classification:** –

**HAZCHEM Emergency Action Code:** 2 **Z**

**SECTION 6: ACCIDENTAL RELEASE MEASURES****6.1. Personal precautions, protective equipment and emergency procedures**

Evacuate area. Provide adequate ventilation. 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**

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**

Keep container closed when not in use. Ground/bond container and receiving equipment. Use non-sparking tools. Take precautionary measures against static discharge. Vapors are heavier than air and will collect in low areas. Vapor accumulations could flash and/or explode if ignited.

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

Store in a cool, dry area. Keep container in a well-ventilated place.

**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), light alkylate*	–	–	–	–	–	–	–	–

\*Chesterton recommended limit (8 hr TWA): 300 ppm, 1400 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 explosion-proof ventilation.

**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). Use positive pressure, supplied-air respirators if there is a potential for uncontrolled release, if exposure levels are unknown, or under circumstances where air-purifying respirators may not provide adequate protection.

**Protective gloves:** Chemical resistant gloves (e.g. neoprene, nitrile).

2,2,4-Trimethylpentane:

Contact type	Glove material	Layer thickness	Breakthrough time*
Full	Nitrile rubber	0.40mm	> 480 min
Splash	Neoprene	0.65mm	> 120 min

\*Determined according to EN374 standard.

**Eye and face protection:** Safety goggles.

**Other:** Impervious clothing as necessary to prevent skin contact.

**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>	liquid	<b>Odour</b>	mild odor
<b>Colour</b>	clear	<b>Odour threshold</b>	not determined
<b>Initial boiling point</b>	98°C (208°F)	<b>Vapour pressure @ 20°C</b>	approx. 60 mm Hg
<b>Melting point</b>	< -60°C (< -76°F)	<b>% Aromatics by weight</b>	< 0.01%
<b>% Volatile (by volume)</b>	100%	<b>pH</b>	not applicable
<b>Flash point</b>	-6.1°C (21°F)	<b>Relative density</b>	0.7 kg/l
<b>Method</b>	Closed Cup	<b>Weight per volume</b>	5.8 lbs/gal.
<b>Viscosity</b>	1 cst @ 25°C	<b>Partition coefficient: n-octanol/water</b>	< 1
<b>Autoignition temperature</b>	approx. 382°C (approx. 720°F)	<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>	not determined	<b>Solubility in water</b>	< 0.01% @ 25°C
<b>Flammability (solid, gas)</b>	not applicable	<b>Oxidising properties</b>	not determined
<b>Explosive properties</b>	not determined		

**9.2. Other information**

Volatile Organic Compounds (VOC), EPA 24: 5.833 lbs/gal.

**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**

Strong oxidizers like liquid Chlorine and concentrated Oxygen.

**10.6. Hazardous decomposition products**

Carbon Monoxide, aldehydes and other toxic fumes (combustion products). Material does not decompose at ambient temperatures.

**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 are generally aggravated by exposure.

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

Substance	Test	Result
Naphtha (petroleum), light alkylate	LD50, rat	> 5000 mg/kg (read-across)

**Dermal:**

Substance	Test	Result
Naphtha (petroleum), light alkylate	LD50, rat	> 2000 mg/kg (read-across)

**Inhalation:**

Substance	Test	Result
Naphtha (petroleum), light alkylate	LC50 inhalation, rat 4 hours	> 21 mg/l (vapor, read-across)

**Skin corrosion/irritation:** Moderate skin irritant, based on data from similar materials.

**Serious eye damage/irritation:** May cause mild eye irritation, based on data from similar materials.

**Respiratory or skin sensitisation:** Not expected to cause sensitization, based on data from similar materials.

**Germ cell mutagenicity:** Not expected to be a germ cell mutagen, based on data from similar materials.

**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:** Not expected to be a reproductive toxicant, based on data from similar materials.

**STOT-single exposure:** May cause drowsiness or dizziness.

**STOT-repeated exposure:** Not expected to cause organ damage from prolonged or repeated exposure, based on data from similar materials.

**Aspiration hazard:** May be fatal if swallowed and enters airways.

**Other information:** None known

**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**

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. 48 h EL50 (for daphnia): 2.4 mg/l (read-across). LOEC, 21 days, Daphnia: 0.32 mg/l (read-across).

**12.2. Persistence and degradability**

Expected to degrade rapidly in air; expected to be inherently biodegradable. Biodegradability, 28 days: 22%. This substance is expected to be removed in a wastewater treatment facility.

**12.3. Bioaccumulative potential**

Not determined

**12.4. Mobility in soil**

Not expected to partition to sediment and wastewater solids. The hazardous ingredients will rapidly evaporate to the air if released into the environment.

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

According to the results of its assessment, this substance is not 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. Material is suitable for fuels blending or incineration. 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:** UN1268  
**TDG:** UN1268  
**US DOT:** UN1268

**14.2. UN proper shipping name**

**ADR/RID/ADN/IMDG/ICAO:** PETROLEUM DISTILLATES, N.O.S. (NAPHTHA (PETROLEUM) LIGHT ALKYLATE)  
**TDG:** PETROLEUM DISTILLATES, N.O.S. (NAPHTHA (PETROLEUM) LIGHT ALKYLATE)  
**US DOT:** PETROLEUM DISTILLATES, N.O.S. (NAPHTHA (PETROLEUM) LIGHT ALKYLATE)

**14.3. Transport hazard class(es)**

**ADR/RID/ADN/IMDG/ICAO:** 3  
**TDG:** 3  
**US DOT:** 3

**14.4. Packing group**

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

**14.5. Environmental hazards**

MARINE POLLUTANT

**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:** ERG NO. 128  
**IMDG:** EmS F-E, S-E  
**ADR:** Classification code F1, Tunnel restriction code (D/E)

**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 96/82/EC on the control of major-accident hazards involving dangerous substances (Petroleum products, qualifying quantities: 2 500 t, 25 000 t).

**15.1.2. National regulations****US EPA SARA TITLE III****312 Hazards:**

Immediate  
 Fire

**313 Chemicals:**

None  
**TSCA:** All chemical components are listed in the TSCA inventory.

**Other national regulations:** National implementation of the EC Directive 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  
 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  
 NOAEL: No Observed Adverse Effect Level  
 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)  
 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)  
 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 de la santé et de la sécurité du travail (CSST)  
 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)

**Relevant H-statements:** H225: Highly flammable liquid and vapour.  
 H304: May be fatal if swallowed and enters airways.  
 H315: Causes skin irritation.  
 H336: May cause drowsiness or dizziness.  
 H411: Toxic to aquatic life with long lasting effects.

**Hazard pictogram names:** Flame, health hazard, exclamation mark, environment

**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.