

**SAFETY DATA SHEET**

in accordance with 29 CFR 1910.1200, WHMIS 2022 and Safe Work Australia

**Revision date:** 31 January 2025      **Date of previous issue:** 24 September 2020      **SDS No.** 151A-21

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

**1.1. Product identifier**

775 Moisture Shield (Aerosol)

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

**Relevant identified uses:** Displaces moisture; deposits a clear, protective coating for metals in process, storage, transit, use. Easily removable. This is a solvent base coating.

**Uses advised against:** No information available

**Reason why uses advised against:** Not applicable

**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  
(Mon. - Fri. 8:30 - 5:00 PM EST)  
SDS requests: [www.chesterton.com](http://www.chesterton.com)  
E-mail (SDS questions): [ProductSDSs@chesterton.com](mailto:ProductSDSs@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

**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 29 CFR 1910.1200 / WHMIS 2022 / Safe Work Australia / GHS**

Flammable aerosol, Category 1, H222, H229  
Skin irritation, Category 2, H315  
Specific target organ toxicity – single exposure, Category 3, H336  
Hazardous to the aquatic environment, Chronic, Category 2, H411

**2.1.2. Additional information**

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

**2.2. Label elements**

**Labeling according to 29 CFR 1910.1200 / WHMIS 2022 / Safe Work Australia / GHS**

**Hazard pictograms:**



**Signal word:**

Danger

**Hazard statements:**

H222	Extremely flammable aerosol.
H229	Pressurized container: May burst if heated.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.

<b>Precautionary statements:</b>	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.
	P261	Avoid breathing vapours/spray.
	P264	Wash skin thoroughly after handling.
	P271	Use only outdoors or in a well-ventilated area.
	P273	Avoid release to the environment.
	P280	Wear protective gloves and eye protection.
	P302/352	IF ON SKIN: Wash with plenty of soap and water.
	P332/313	If skin irritation occurs: Get medical advice/attention.
	P304/340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
	P312	Call a POISON CENTER or doctor if you feel unwell.
	P362/364	Take off contaminated clothing and wash it before reuse.
	P391	Collect spillage.
	P403	Store in a well-ventilated place.
	P410/412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
	P405	Store locked up.
	P501	Dispose of contents/container to an approved waste disposal plant.

**Supplemental information:** None

### 2.3. Other hazards

None

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2. Mixtures

Hazardous Ingredients <sup>1</sup>	% Wt.	CAS No.	GHS Classification
Distillates (petroleum), hydrotreated light	75-85	64742-47-8	Flam. Liq. 4, H227 Acute Tox. 1, H304 Skin Irrit. 2, H315 STOT SE 3, H336 Aquatic Chronic 2, H411
Distillates (petroleum), hydrotreated heavy naphthenic*	5-10	64742-52-5	Asp. Tox. 1, H304
Hydrocarbon waxes (petroleum), oxidized, Me esters, barium salts	5-7	68603-10-1	Acute Tox. 4, H302/H332
Barium sulfonate	1-5	Unknown	Skin Sens. 1B, H317 (C > 10%)
Carbon dioxide	1-5	124-38-9	Press. Gas (Comp.), H280

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

\*Contains less than 3 % DMSO extract as measured by IP 346.

<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), WHMIS 2022, Safe Work Australia, GHS

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

<b>Inhalation:</b>	Remove to fresh air. If not breathing, administer artificial respiration. Contact physician immediately.
<b>Skin contact:</b>	Wash skin with soap and water. Take off contaminated clothing and wash it before reuse. Contact physician if irritation persists.
<b>Eye contact:</b>	Flush eyes for at least 15 minutes with large amounts of water. Contact physician if irritation persists.
<b>Ingestion:</b>	Do not induce vomiting. Contact physician immediately.
<b>Protection of first-aiders:</b>	No action shall be taken involving any personal risk or without suitable training. Avoid contact with the product while providing aid to the victim. Avoid breathing vapours. See section 8.2.2 for recommendations on personal protective equipment.

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

Direct contact may cause mild eye irritation. Inhalation of excessive vapors may result in irritation of the eyes and respiratory tract, dizziness, headache and other central nervous system effects. Prolonged or repeated skin contact may defat the skin and cause skin irritation.

**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:** High volume water jet

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

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

**Other hazards:** 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.

**Australian HAZCHEM Emergency Action Code:** 2 Y

**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. Pick up with absorbent material (sand, sawdust, clay, etc.) and place in a suitable container for disposal. Keep away from sources of ignition - No smoking. If removal of ignition sources is not possible, then flush material away with water.

**6.4. Reference to other sections**

Refer to section 13 for disposal advice.

**SECTION 7: HANDLING AND STORAGE**

**7.1. Precautions for safe handling**

Vapors are heavier than air and will collect in low areas. Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No Smoking.

**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>		AUSTRALIA ES <sup>3</sup>	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Distillates (petroleum), hydrotreated light	N/A	N/A	179 *	1200 *	N/A	N/A
Oil mist, mineral	N/A	5	(inhal.)	5	N/A	5
Hydrocarbon waxes (petroleum), oxidized, Me esters, barium salts	N/A	N/A	N/A	N/A	N/A	N/A
Barium sulfonate	N/A	N/A	N/A	N/A	N/A	N/A
Carbon dioxide	5000	9000	5000	9000	5000	9000
			STEL: 30000	54000	STEL: 30000	54000

\*Based on the procedure described in appendix H, "Reciprocal calculation method for Certain Refined Hydrocarbon Solvent Vapor Mixtures" of the ACGIH TLVs® and BEIs®.

<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> Safe Work Australia, Workplace Exposure Standards for Airborne Contaminants

### Biological limit values

No biological exposure limits noted for the ingredient(s).

## 8.2. Exposure controls

### 8.2.1. Engineering measures

No special requirements. If exposure limits are exceeded, provide adequate 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-P3, half mask).

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

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

**Other:** Impervious clothing as necessary for repetitive, prolonged 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>pH</b>	–
<b>Colour</b>	amber	<b>Kinematic viscosity</b>	not determined
<b>Odour</b>	mild petroleum odor	<b>Solubility in water</b>	insoluble
<b>Odour threshold</b>	not determined	<b>Partition coefficient n-octanol/water (log value)</b>	not applicable
<b>Boiling point or range</b>	207°C (405°F), product only	<b>Vapour pressure @ 20°C</b>	not determined
<b>Melting point/freezing point</b>	not determined	<b>Density and/or relative density</b>	0.8 kg/l
<b>% Volatile (by volume)</b>	82%	<b>Weight per volume</b>	6.73 lbs/gal.
<b>Flammability</b>	ignitable	<b>Vapour density (air=1)</b>	> 1
<b>Lower/upper flammability or explosion limits</b>	not determined	<b>Rate of evaporation (ether=1)</b>	< 1
<b>Flash point</b>	66°C (150°F), product only	<b>% Aromatics by weight</b>	not known
<b>Method</b>	PM Closed Cup	<b>Particle characteristics</b>	not applicable
<b>Autoignition temperature</b>	not determined	<b>Explosive properties</b>	not applicable
<b>Decomposition temperature</b>	not determined	<b>Oxidising properties</b>	not applicable

### 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

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 are generally aggravated by exposure.

**Acute toxicity -**

**Oral:** ATE-mix > 5000 mg/kg.

Substance	Test	Result
Distillates (petroleum), hydrotreated light	LD50, rat	> 5000 mg/kg
Distillates (petroleum), hydrotreated heavy naphthenic	LD50 rat	> 5000 mg/kg, estimated

**Dermal:**

Substance	Test	Result
Distillates (petroleum), hydrotreated light	LD50, rabbit	> 2000 mg/kg
Distillates (petroleum), hydrotreated heavy naphthenic	LD50, rabbit	> 2000 mg/kg, estimated

**Inhalation:**

ATE-mix > 5 mg/l, mist. Inhalation of excessive vapors may result in irritation of the eyes and respiratory tract, dizziness, headache and other central nervous system effects.

Substance	Test	Result
Distillates (petroleum), hydrotreated light	LC50, rat, 4 hours	> 5.2 mg/l
Distillates (petroleum), hydrotreated heavy naphthenic	LC50, rat, 4 hours	> 5 mg/l, estimated

**Skin corrosion/irritation:**

Prolonged or repeated skin contact may defat the skin and cause skin irritation.

Substance	Test	Result
Distillates (petroleum), hydrotreated light	Skin irritation, rabbit	Slightly irritating / Moderately irritating
Distillates (petroleum), hydrotreated heavy naphthenic	Skin irritation, rabbit	Not irritating

**Serious eye damage/irritation:**

Direct contact may cause mild eye irritation.

Substance	Test	Result
Distillates (petroleum), hydrotreated light	Eye irritation, rabbit	Not irritating / Slightly irritating
Distillates (petroleum), hydrotreated heavy naphthenic	Eye irritation, rabbit	Not irritating

**Respiratory or skin sensitisation:**

Substance	Test	Result
Distillates (petroleum), hydrotreated light	Skin sensitization, guinea pig	Not sensitizing
Distillates (petroleum), hydrotreated heavy naphthenic	Skin sensitization, (OECD 406), guinea pig	Not sensitizing

**Germ cell mutagenicity:**

Distillates (petroleum), hydrotreated light, Distillates (petroleum), hydrotreated heavy naphthenic: Barium sulfonate: based on available data, the classification criteria are not met.

**Carcinogenicity:**

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 the European Chemicals Agency (ECHA).

**Reproductive toxicity:**

Distillates (petroleum), hydrotreated light, Distillates (petroleum), hydrotreated heavy naphthenic, Barium sulfonate: based on available data, the classification criteria are not met.

**STOT – single exposure:**

May cause drowsiness or dizziness.

**STOT – repeated exposure:**

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

**Aspiration hazard:** Not classified as an aspiration toxicant due to the aerosol spray pattern.

**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.

### 12.2. Persistence and degradability

Distillates (petroleum), hydrotreated light: can degrade in air; inherently biodegradable. Distillates (petroleum), hydrotreated heavy naphthenic: not readily biodegradable (biodegradation, OECD 301F, 28 days: 31%). Barium sulfonate: not readily biodegradable (biodegradation, OECD 301D, 28 days: 8%).

### 12.3. Bioaccumulative potential

Distillates (petroleum), hydrotreated light: Octanol/water partition coefficient (log Kow) = 2.1 – 6.5. Distillates (petroleum), hydrotreated heavy naphthenic: not expected to bioaccumulate. Barium sulfonate: Octanol/water partition coefficient (log Kow) 4.76, 40°C.

### 12.4. Mobility in soil

Liquid. Insoluble in water. In determining environmental mobility, consider the product's physical and chemical properties (see Section 9). Distillates (petroleum), hydrotreated light: will rapidly evaporate to the air if released into the environment.

### 12.5. Endocrine disrupting properties

No data available

### 12.6. Other adverse effects

None known

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

Incinerate absorbed material with a properly licensed facility. Treatment standards for Barium may need to be met prior to land disposal. Incinerate pressurized or sealed containers in an approved facility. Check local, state and national/federal regulations and comply with the most stringent requirement.

## SECTION 14: TRANSPORT INFORMATION

### 14.1. UN number or ID number

**ADG/ADR/RID/ADN/IMDG/ICAO:** UN1950

**TDG:** UN1950

**US DOT:** UN1950

### 14.2. UN proper shipping name

**ICAO:** AEROSOLS, FLAMMABLE

**ADG/IMDG:** AEROSOLS

**ADR/RID/ADN:** AEROSOLS, *FLAMMABLE*

**TDG:** AEROSOLS, *FLAMMABLE*

**US DOT:** AEROSOLS, *FLAMMABLE*

### 14.3. Transport hazard class(es)

**ADG/ADR/RID/ADN/IMDG/ICAO:** 2.1

**TDG:** 2.1

**US DOT:** 2.1

### 14.4. Packing group

**ADG/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. Maritime transport in bulk according to IMO instruments

NOT APPLICABLE

### 14.8. Other information

**US DOT:** SHIPPED AS LIMITED QUANTITY IN PACKAGING HAVING A RATED CAPACITY GROSS WEIGHT OF 66 LB. OR LESS (49 CFR 173.306(A),(3),(I)).

ERG NO. 126

**IMDG:** EMS. F-D, S-U, SHIPPED AS LIMITED QUANTITY

**ADR:** CLASSIFICATION CODE 5F, TRANSPORT CATEGORY 2, TUNNEL RESTRICTION CODE (E), SHIPPED AS LIMITED QUANTITY

**ADG HAZCHEM CODE:** N/A **HIN:** (1)

## SECTION 15: REGULATORY INFORMATION

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

#### 15.1.1. National regulations

##### US EPA SARA TITLE III

##### 312 Hazards:

##### Chemicals subject to reporting requirements of Section 313 of EPCRA and of 40 CFR 372:

Flammable aerosol	Barium Compounds	8-12%
Skin irritation		
Specific target organ toxicity – single exposure		

TSCA: All components are listed or exempted.

**Other national regulations:** None

## SECTION 16: OTHER INFORMATION

**Abbreviations and acronyms:**

- ADG: Australian Dangerous Goods Code
- 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
- 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
- (Q)SAR: Quantitative Structure-Activity Relationship
- 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
- 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 Chemical Information System (HCIS)
- National Institute of Technology and Evaluation (NITE)
- U.S. National Library of Medicine Toxicology Data Network (TOXNET)

**Procedure used to derive the classification for mixtures according to GHS:**

Classification	Classification procedure
Aerosol 1, H222	On basis of components
STOT SE 3, H336	Bridging principle "Dilution"
Skin Irrit. 2, H315	Calculation method
Aquatic Chronic 2, H411	Calculation method

**Relevant H-statements:**

- H222: Extremely flammable aerosol.
- H227: Combustible liquid.
- H280: Contains gas under pressure; may explode if heated.
- H302: Harmful if swallowed.
- H304: May be fatal if swallowed and enters airways.
- H315: Causes skin irritation.
- H317: May cause an allergic skin reaction.
- H332: Harmful if inhaled.
- H336: May cause drowsiness or dizziness.
- H411: Toxic to aquatic life with long lasting effects.

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

**Further information:** None

**Date of last revision:** 31 January 2025

**Changes to the SDS in this revision:** Sections 1.2, 1.3, 2.1, 2.2, 3, 4.1, 5.2, 8.1, 9.1, 11, 12.2, 12.3, 12.5, 13, 15, 16.

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.