



SAFETY DATA SHEET

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

Revision date: 1 June 2017

Initial date of issue: 6 July 2007

SDS No. 151B-21

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

1.1. Product identifier

775 Moisture Shield (Bulk)

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

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

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
E-mail (SDS questions): ProductMSDSs@chesterton.com
E-mail: customer.service@chesterton.com
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

Supplier:

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]

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

2.1.2. Classification according to 29 CFR 1910.1200 / WHMIS 2015

Flam. Liq. 4, H227
Asp. Tox. 1, H304
Skin Irrit. 2, H315
STOT SE 3, H336
Aquatic Chronic 2, H411

2.1.3. Classification according to WHMIS 1988

B3: Combustible liquids; D2B: Toxic materials causing other effects

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.

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

Hazard statements: H227 Combustible liquid.
 H304 May be fatal if swallowed and enters airways.
 H336 May cause drowsiness or dizziness.
 H411 Toxic to aquatic life with long lasting effects.

Precautionary statements: P210 Keep away from flames and hot surfaces. – No smoking.
 P261 Avoid breathing vapors.
 P264 Wash skin thoroughly after handling.
 P273 Avoid release to the environment.
 P280 Wear protective gloves.
 P301/310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
 P331 Do NOT induce vomiting.
 P391 Collect spillage.
 P403/233 Store in a well-ventilated place. Keep container tightly closed.

Supplemental information: None**2.2.2. Labelling according to 29 CFR 1910.1200 / WHMIS 2015****Hazard pictograms:** Same as section 2.2.1.**Signal word:** Same as section 2.2.1.**Hazard statements:** Same as section 2.2.1.

Precautionary statements: P210 Keep away from flames and hot surfaces. – No smoking.
 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.
 P301/310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
 P331 Do NOT induce vomiting.
 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/physician if you feel unwell.
 P362/364 Take off contaminated clothing and wash it before reuse.
 P391 Collect spillage.
 P403/233 Store in a well-ventilated place. Keep container tightly closed.
 P235 Keep cool.
 P405 Store locked up.
 P501 Dispose of contents/container to an approved waste disposal plant.

Supplemental information: None**2.3. Other hazards**

None known

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

Hazardous Ingredients ¹	% Wt.	CAS No./ EC No.	REACH Reg. No.	CLP/GHS Classification
Distillates (petroleum), hydrotreated light	75-85	64742-47-8 265-149-8	NA	Acute Tox. 1, H304 Skin Irrit. 2, H315 STOT SE 3, H336 Aquatic Chronic 2, H411
Distillates (petroleum), hydrotreated heavy naphthenic*	5-10	64742-52-5 265-155-0	NA	Asp. Tox. 1, H304
Hydrocarbon Waxes (Petroleum), Oxidized, Me Esters, Barium Salts	3-7	68603-10-1 271-637-1	NA	Acute Tox. 4, H302, H332
Benzenesulfonic acid, di-C10-18-alkyl derivs., barium salts	3-7	93820-55-4 298-635-3	NA	Acute Tox. 4, H302, H332

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

¹ 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, GHS, 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. Take off contaminated clothing and wash it before reuse. 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

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: 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

None

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

Ground and bond product transfer. Vapors are heavier than air and will collect in low areas. Utilize exposure controls and personal protection as specified in Section 8.

7.2. Conditions for safe storage, including any incompatibilities

Store in a cool, dry and well-ventilated area.

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 ¹		ACGIH TLV ²		UK WEL ³		AUSTRALIA ES ⁴	
	ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³
Distillates (petroleum), hydrotreated light	–	–	179*	1200*	–	–	–	–
Oil mist, mineral	–	5	(inhal)	5	–	–	–	5
Hydrocarbon Waxes (Petroleum), Oxidized, Me Esters, Barium Salts	–	–	–	–	–	–	–	–
Benzenesulfonic acid, di-C10-18-alkyl derivs., barium salts	–	–	–	–	–	–	–	–

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

¹ United States Occupational Health & Safety Administration permissible exposure limits

² American Conference of Governmental Industrial Hygienists threshold limit values

³ EH40 Workplace exposure limits, Health & Safety Executive

⁴ Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003]

Derived No Effect Level (DNEL) according to Regulation (EC) No 1907/2006:**Workers**

Not available

Predicted No Effect Concentration (PNEC) according to Regulation (EC) No 1907/2006:

Not available

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 gloves and clothing as necessary for repetitive, prolonged contact with liquid.

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**

Physical state	liquid	Odour	mild petroleum odor
Colour	amber	Odour threshold	not determined
Initial boiling point	207°C (405°F)	Vapour pressure @ 20°C	< 2 mm Hg (petroleum)
Melting point	not determined	% Aromatics by weight	0.79% maximum
% Volatile (by volume)	78-82%	pH	not applicable
Flash point	69°C (156°F)	Relative density	0.8 kg/l
Method	PM Closed Cup	Weight per volume	6.65 lbs/gal.
Viscosity	not determined	Coefficient (water/oil)	< 1
Autoignition temperature	not determined	Vapour density (air=1)	> 1
Decomposition temperature	not determined	Rate of evaporation (ether=1)	< 1
Upper/lower flammability or explosive limits	not determined	Solubility in water	insoluble
Flammability (solid, gas)	not applicable	Oxidising properties	not determined
Explosive properties	not determined		

9.2. Other information

VOC (EPA 24): 5.7 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 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 dermatitis are generally aggravated by exposure.**Acute toxicity -****Oral:**

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

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

Dermal:

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

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

Inhalation:

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

Distillates (petroleum), hydrotreated light, Distillates (petroleum), hydrotreated heavy naphthenic: 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:

May be fatal if swallowed and enters airways.

Other information:

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

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%).

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.

12.4. Mobility in soil

Liquid. Insoluble in water. Surface tension: < 33 mN/m @ 25°C. 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. Results of PBT and vPvB assessment

Not 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. Material may be stabilized and solidified prior to disposal. Treatment standards for Barium may need to be met prior to land disposal. 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: UN3082

TDG:	UN3082
US DOT:	UN3082
14.2. UN proper shipping name	
ADR/RID/ADN/IMDG/ICAO:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (DISTILLATES, (PETROLEUM) HYDROTREATED LIGHT)
TDG:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (DISTILLATES, (PETROLEUM) HYDROTREATED LIGHT)
US DOT:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (DISTILLATES, (PETROLEUM) HYDROTREATED LIGHT)
14.3. Transport hazard class(es)	
ADR/RID/ADN/IMDG/ICAO:	9
TDG:	9
US DOT:	9
14.4. Packing group	
ADR/RID/ADN/IMDG/ICAO:	III
TDG:	III
US DOT:	III
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.171, May be shipped as NON-RESTRICTED in non-bulk packagings (119 gallons or less) by motor vehicle, rail car or aircraft. (49 CFR 171.4(c))
IMDG:	EmS. F-A, S-F May be shipped as NON-RESTRICTED in single or combination packagings containing a net quantity per single or inner packaging of 5 L or less. (IMDG CODE Amendment 37-14, 2.10.2.7)
ICAO/IATA:	May be shipped as NON-RESTRICTED in single or combination packagings containing a net quantity per single or inner packaging of 5 L or less. (IATA Dangerous Goods Regulation 56 th edition, 4.4 Special Provisions A197)
ADR:	Classification code M6 Tunnel restriction code (E) May be shipped as NON-RESTRICTED in single or combination packagings containing a net quantity per single or inner packaging of 5 L or less. (ADR 2015 Volume 1, Chapter 3.3 Special Provisions 375)

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 2012/18/EU 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:

Barium Compounds 7-13%

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
 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.

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)
 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
Asp. Tox. 1, H304	Bridging principle "Dilution"
Skin Irrit. 2, H315	Calculation method
STOT SE 3, H336	Bridging principle "Dilution"
Aquatic Chronic 2, H411	Calculation method

Relevant H-statements: H302: Harmful if swallowed.
 H304: May be fatal if swallowed and enters airways.
 H315: Causes skin irritation.
 H332: Harmful if inhaled.
 H336: May cause drowsiness or dizziness.
 H411: Toxic to aquatic life with long lasting effects.

Hazard pictogram names: Exclamation mark, health hazard, environment

Changes to the SDS in this revision: Sections 1.3, 1.4, 2.1, 2.2, 3, 4.1, 4.2, 5.3, 8.1, 8.2.2, 11, 15.1.2, 16.

Revision date: 1 June 2017

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.