

SAFETY DATA SHEET

in accordance with 29 CFR 1910.1200, WHMIS 2015 and Safe Work Australia

Revision date: 8 March 2021

Initial date of issue: 5 July 2007

SDS No. 167-27

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

1.1. Product identifier

706 Rustsolvo™

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

Penetrating oil - frees nuts, bolts, fittings without injury to base metal.

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): ProductSDSs@chesterton.com
E-mail: 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 2015 / Safe Work Australia / GHS

Flammable liquid, Category 3, H226
Aspiration hazard, Category 1, H304
Skin irritation, Category 2, H315
Specific target organ toxicity – single exposure, Category 3, H336
Hazardous to the aquatic environment, Chronic, Category 3, H412

2.1.2. Australian statement of hazardous nature

Hazardous according to criteria of Safe Work Australia.

2.1.3. 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 2015 / Safe Work Australia / GHS

Hazard pictograms:



Signal word:

Danger

Hazard statements:	H226	Flammable liquid and vapour.
	H304	May be fatal if swallowed and enters airways.
	H315	Causes skin irritation.
	H336	May cause drowsiness or dizziness.
	H412	Harmful 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.
	P233	Keep container tightly closed.
	P241	Use explosion-proof electrical/ventilating/lighting equipment.
	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.
	P301/310	IF SWALLOWED: Immediately call a POISON CENTER or doctor.
	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.
	P362/364	Take off contaminated clothing and wash it before reuse.
	P403/235	Store in a well-ventilated place. Keep cool.
	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 Ingredients¹	% Wt.	CAS No.
Distillates (petroleum), hydrotreated heavy naphthenic*	50 - 55	64742-52-5
Distillates (petroleum), hydrotreated light	40 - 50	64742-47-8

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

*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)
• WHMIS 2015, Safe Work Australia, GHS

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.**Ingestion:** Do not induce vomiting. Contact physician immediately.**Protection of first-aiders:** 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**

May be fatal if swallowed and enters airways. High vapor concentrations cause eye and respiratory tract irritation and 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

None

5.3. Advice for firefighters

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

Australian 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**

Do not eat, drink or smoke in work area. Keep containers closed when not in use. Ground and bond container and receiving equipment. 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

Store in a cool, dry 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		AUSTRALIA ES ³	
	ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³
Oil mist, mineral	N/A	5	N/A	5	N/A	5
Distillates (petroleum), hydrotreated light	N/A	N/A	212*	1200*	N/A	N/A

*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 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**

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 a half or full-face respirator with combined dust/organic vapour filter (e.g., EN filter type A-P2).

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**

Physical state	thin liquid	Odour	petroleum odor
Colour	blue or green	Odour threshold	not determined
Initial boiling point	not determined	Vapour pressure @ 20°C	not determined
Melting point	not determined	% Aromatics by weight	< 0.5%
% Volatile (by volume)	49.7%	pH	not applicable
Flash point	53.3°C (128°F)	Relative density	0.84 kg/l
Method	PM Closed Cup	Weight per volume	6.99 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	negligible
Flammability (solid, gas)	not applicable	Oxidising properties	not determined
Explosive properties	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

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

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

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

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

Inhalation: High vapor concentrations cause eye and respiratory tract irritation and dizziness, headache and other central nervous system effects.

Substance	Test	Result
Distillates (petroleum), hydrotreated heavy naphthenic	LC50, rat, 4 hours	> 5 mg/l, estimated
Distillates (petroleum), hydrotreated light	LC50, rat, 4 hours	> 5.28 mg/l

Skin corrosion/irritation: Causes skin irritation.

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

Serious eye damage/irritation: Based on available data on components, the classification criteria are not met.

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

Respiratory or skin sensitisation: Skin sensitization: based on available data on components, the classification criteria are not met.

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

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

STOT – single exposure: May cause drowsiness or dizziness.

STOT – repeated exposure: Based on available data on components, the classification criteria are not met.

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

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

Harmful to aquatic life with long lasting effects (based on component data).

12.2. Persistence and degradability

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

12.3. Bioaccumulative potential

Distillates (petroleum), hydrotreated heavy naphthenic: not expected to bioaccumulate. Distillates (petroleum), hydrotreated light, Octanol/water partition coefficient (log Kow): 2.1 – 5, estimated.

12.4. Mobility in soil

Liquid. Insoluble in water. Floats on water. Distillates (petroleum), hydrotreated heavy naphthenic: large volumes may penetrate soil and contaminate groundwater. Distillates (petroleum), hydrotreated light: will rapidly evaporate to the air if released into the environment. In determining environmental mobility, consider the product's physical and chemical properties (see Section 9).

12.5. Other adverse effects

None known

SECTION 13: DISPOSAL CONSIDERATIONS**13.1. Waste treatment methods**

Incinerate or fuel blend spent or unused product. Incinerate absorbed material and/or containers with a properly licensed 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: UN1993
TDG: UN1993
US DOT: UN1993*

14.2. UN proper shipping name

ADG/ADR/RID/ADN/IMDG/ICAO: FLAMMABLE LIQUID, N.O.S. (CONTAINS NAPHTHA)
TDG: FLAMMABLE LIQUID, N.O.S. (CONTAINS NAPHTHA)
US DOT: FLAMMABLE LIQUID, N.O.S. (CONTAINS NAPHTHA)*

14.3. Transport hazard class(es)

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

14.4. Packing group

ADG/ADR/RID/ADN/IMDG/ICAO: III
TDG: III
US DOT: III

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: ERG NO.128,
 *May be reclassified as a combustible liquid and as non hazardous in non-bulk packages
 (maximum capacity of 119 gallons(450 L) or less as a receptacle) (49CFR 173.150 (f),(1),(2))

IMDG: EmS. F-E, S-E

ADR: Classification code F1 , Tunnel restriction code (D/E)

ADG HAZCHEM CODE: ●3Y **HIN:** 30

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:**

Flammable liquid
 Aspiration hazard
 Skin irritation
 Specific target organ toxicity – single exposure

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

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.

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.

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
Flam. Liq. 3, H226	On basis of test data
Asp. Tox. 1, H304	On basis of components
STOT SE 3, H336	Bridging principle "Dilution"
Skin Irrit. 2, H315	Calculation method
Aquatic Chronic 3, H412	Calculation method

Relevant H-statements: H226: Flammable liquid and vapour.
H304: May be fatal if swallowed and enters airways.
H315: Causes skin irritation.
H336: May cause drowsiness or dizziness.
H412: Harmful to aquatic life with long lasting effects.

Hazard pictogram names: Flame, health hazard, exclamation mark

Further information: None

Date of last revision: 8 March 2021

Changes to the SDS in this revision: Sections 1.3, 2.1, 2.2, 3, 4.1, 5.3, 8.1, 11, 12.1, 14.1 – 14.4, 14.7, 15.1, 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.