

SAFETY DATA SHEET

in accordance with 1907/2006/EC (REACH, as amended by 453/2010/EC) and 29 CFR 1910.1200

Revision date: 25 August 2015

Initial date of issue: 6 July 2007

SDS No. 175F-12

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

1.1. Product identifier

723 FG Sprasolvo®

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

Penetrates and loosens rust, scale, corrosion, dirt, graphite, etc., without injury to the basic metal, wood, paint or plastic. For equipment in food, beverage and pharmaceutical plants.

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

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)

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 2, H223, H229
Asp. Tox. 1, H304
EUH066

2.1.2. Classification according to 29 CFR 1910.1200 / WHMIS 2015

Flam. Aerosol 2, H223
Asp. Tox. 1, H304

2.1.3. Classification according to WHMIS 1988

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. None

2.2. Label elements

2.2.1. Labelling according to Regulation (EC) No 1272/2008 [CLP]

Hazard pictograms:



Signal word:

Warning

Hazard statements:

H223 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/122°F.

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:

H223	Flammable aerosol.
H304	May be fatal if swallowed and enters airways.
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.
P301/310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P331	Do NOT induce vomiting.
P410/412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F.

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 ¹	% Wt.	CAS No./ EC No.	REACH Reg. No.	CLP/GHS Classification
Naphtha (petroleum), hydrotreated heavy*	20-30	64742-48-9 265-150-3	NA	Asp. Tox. 1, H304 EUH066
White mineral oil (petroleum)	65-75	8042-47-5 232-455-8	NA	Asp. Tox. 1, H304
Carbon Dioxide	1-5	124-38-9 204- 696-9	NA	Not classified

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

*Contains less than 0.1 % w/w Benzene.

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, 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.
- 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: 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

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; 16 CFR 1500.3 Non-Flammable aerosol

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**

Shake well before using. Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No 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. After handling, wash before eating, drinking or 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 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
Naphtha (petroleum), hydrotreated heavy*	–	–	–	–	–	–	–	–
Oil mist, mineral	–	5	–	5 (inhal)	–	–	–	5
Carbon Dioxide	5000	9000	5000	9000	5000	9150	5000	9000
			STEL: 30000	54000	STEL: 15000	27400	STEL: 30000	54000

*Chesterton recommended limit: 171 ppm (1200 mg/m³)

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].

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

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

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**

Physical state	liquid	Odour	mild odor
Colour	clear	Odour threshold	not determined
Initial boiling point	182°C (360°F), product only	Vapour pressure @ 20°C	not determined
Melting point	not determined	% Aromatics by weight	< 0.01%
% Volatile (by volume)	50%	pH	not applicable
Flash point	62°C (144°F)	Relative density	0.83 kg/l
Method	PM Closed Cup	Weight per volume	6.9 lbs/gal.
Viscosity	not determined	Coefficient (water/oil)	< 1
Autoignition temperature	not determined	Vapour density (air=1)	> 1
Decomposition temperature	no data available	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

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

10.6. Hazardous decomposition products

Carbon Monoxide, Carbon Dioxide 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 skin disorders and impaired lung function are generally aggravated by exposure.

Acute toxicity -**Oral:**

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

Substance	Test	Result
Naphtha (petroleum), hydrotreated heavy	LD50, rat	> 10000 mg/kg
White mineral oil (petroleum)	LD50, rat	> 5000 mg/kg

Dermal:

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

Substance	Test	Result
Naphtha (petroleum), hydrotreated heavy	LD50	> 3160 mg/kg
White mineral oil (petroleum)	LD50, rabbit	> 2000 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. Naphtha (petroleum), hydrotreated heavy: based on available data, the classification criteria are not met.

Substance	Test	Result
White mineral oil (petroleum)	LC50, rat, 4 h, aerosol	> 5 mg/l

Skin corrosion/irritation:

Naphtha (petroleum), hydrotreated heavy: Causes mild skin irritation.

Substance	Test	Result
White mineral oil (petroleum)	Skin irritation, rabbit	Not irritating

Serious eye damage/irritation:

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

Substance	Test	Result
White mineral oil (petroleum)	Eye irritation	Not irritating

Respiratory or skin sensitisation:

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

Substance	Test	Result
Naphtha (petroleum), hydrotreated heavy	Skin sensitization, guinea pig, read-across	Not sensitizing
White mineral oil (petroleum)	Skin sensitization, guinea pig	Not sensitizing

Germ cell mutagenicity:

Naphtha (petroleum), hydrotreated heavy, White mineral oil (petroleum): 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, White mineral oil (petroleum): 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. White mineral oil (petroleum): based on available data, the classification criteria are not met.
STOT-repeated exposure:	Naphtha (petroleum), hydrotreated heavy, White mineral oil (petroleum): 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. Mineral oil; not readily biodegradable.

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). Naphtha (petroleum), hydrotreated heavy: will rapidly evaporate to the air if released into the environment. Mineral oil: expected to exhibit low mobility in soil.

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 and/or containers with a properly licensed facility. Check local, state and national/federal regulations and comply with the most stringent requirement. This product is not classified as a hazardous waste according to 2008/98/EC.

European List of Wastes code: 15 01 10

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, <i>flammable</i>
TDG:	Aerosols, <i>flammable</i>
US DOT:	Aerosols, <i>flammable</i>

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 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:**Fire
Immediate
Pressure Release**313 Chemicals:**

None

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
 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.

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)

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

Classification	Classification procedure
Flam. Aerosol 2, H223	On basis of test data
Asp. Tox. 1, H304	Bridging principle "Dilution"
EUH066	Bridging principle "Dilution"

Relevant H-statements: EUH066: Repeated exposure may cause skin dryness or cracking.
 H223: Flammable aerosol.
 H304: May be fatal if swallowed and enters airways.

Hazard pictogram names: Flame, health hazard

Changes to the SDS in this revision: Sections 2.1, 2.2, 3, 15.1.2, 16.

Revision date: 25 August 2015

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.