



## SAFETY DATA SHEET

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

**Revision date:** 29 May 2015

**Initial date of issue:** 3 July 2007

**SDS No.** 388A-7

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

#### 1.1. Product identifier

294 CSD (Aerosol)

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

Fast evaporating solvent degreaser. Do not use on oxygen systems.

#### 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:**

#### 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 1, H222, H229  
Asp. Tox. 1, H304  
Eye Irrit. 2, H319  
Skin Irrit. 2, H315  
Skin Sens. 1, H317  
STOT SE 3, H336  
Aquatic Chronic 2, H411

##### 2.1.2. Classification according to Directives 1999/45/EC and 1975/324/EEC

Extremely flammable; F+; R12  
Harmful; Xn; R65  
Irritant; Xi; R36/38  
R43  
R67  
Dangerous for the environment; N; R51/53

##### 2.1.3. Classification according to 29 CFR 1910.1200 / WHMIS 2015

Aerosol 1, H222, H229  
Asp. Tox. 1, H304  
Eye Irrit. 2, H319  
Skin Irrit. 2, H315  
Skin Sens. 1, H317  
STOT SE 3, H336  
Aquatic Chronic 2, H411

##### 2.1.4. Classification according to WHMIS 1988

A: Compressed gases; B5: Flammable aerosols; D2B: Toxic materials causing other effects

**2.1.5. Australian statement of hazardous nature**

Hazardous according to criteria of Safe Work Australia.

**2.1.6. Additional information**

For full text of H-statements and R-phrases: 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:**

H222 Extremely flammable aerosol.  
 H229 Pressurized container: May burst if heated.  
 H319 Causes serious eye irritation.  
 H315 Causes skin irritation.  
 H317 May cause an allergic skin reaction.  
 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.  
 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.  
 P280 Wear protective gloves and eye/face protection.  
 P410/412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F.

**Supplemental information:** 32**2.2.2. Labelling according to 29 CFR 1910.1200 / WHMIS 2015****Hazard pictograms:****Signal word:**

Danger

**Hazard statements:**

H304 May be fatal if swallowed and enters airways.  
 H222 Extremely flammable aerosol.  
 H229 Pressurized container: May burst if heated.  
 H319 Causes serious eye irritation.  
 H315 Causes skin irritation.  
 H317 May cause an allergic skin reaction.  
 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.  
 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.  
 P280 Wear protective gloves and eye/face protection.  
 P301/310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
 P331 Do NOT induce vomiting.  
 P333/313 If skin irritation or rash occurs: Get medical advice/attention.  
 P362/364 Take off contaminated clothing and wash it before reuse.  
 P337/313 If eye irritation persists: Get medical advice/attention.  
 P410/412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F.

**Supplemental information:**

None

**2.3. Other hazards**

None known

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

Hazardous Ingredients <sup>1</sup>	% Wt.	CAS No./ EC No.	REACH Reg. No.	Classification (CLP/GHS)	Classification (67/548/EEC)
Naphtha (petroleum), hydrotreated light	60-70	64742-49-0 265-151-9	NA	Flam. Liq. 2, H225 Asp. Tox. 1, H304 Skin Irrit. 2, H315 STOT SE 3, H336	F; R11 Xn; R65 Xi; R38 R67
Acetone	10-20	67-64-1 200-662-2	NA	Aquatic Chronic 2, H411 Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 EUH066	N; R51/53 F; R11 Xi; R36 R67 R66
Carbon Dioxide	3-7	124-38-9 204-696-9	NA	Press. Gas, H280	Not classified
Isopropanol	1-5	67-63-0 200-661-7	01-211945 7558-25	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336	F; R11 Xi; R36 R67
d-Limonene, food grade (Orange terpenes)	1-5	5989-27-5* 227-813-5	01-211952 9223-47	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 (M-factor = 1)	R10 Xn; R65 Xi; R38 R43 N; R50/53

Indications of danger acc. to 67/548/EEC: F: Highly flammable; Xi: Irritant; Xn: Harmful; N: Dangerous for the environment  
For full text of H-statements and R-phrases: see SECTION 16.

<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, 67/548/EEC, 99/45/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. If conscious, dilute stomach contents with large quantities of milk or water. Contact physician immediately.

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

Direct eye contact causes eye irritation. Excessive inhalation of vapors will irritate the eyes and respiratory tract and cause dizziness, headache and other central nervous system effects. May cause an allergic skin reaction. Prolonged or repeated skin contact may cause skin irritation and dermatitis. 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. Cardiac arrhythmia has been reported in animal studies. Epinephrine and other sympathomimetic drugs should only be used as a last resort in an immediate life threatening situation in conjunction with cardiac monitoring.

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

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

**Unsuitable extinguishing media:** Water jets

**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:** –

**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**

No special requirements.

**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. Use caution - floor may be slippery where spill has occurred.

**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. Remove contaminated clothing and wash before reuse.

**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>		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), hydrotreated light	–	–	342*	1400*	–	–	–	–
Acetone	1000	2400	250	–	500	1210	500	1185
			STEL: 500		STEL: 1500	STEL: 3620	STEL: 1000	STEL: 2375
Carbon Dioxide	5000	9000	5000	9000	5000	9150	5000	9000
			STEL: 30000	STEL: 54000	STEL: 15000	STEL: 27400	STEL: 30000	STEL: 54000
Isopropanol	400	980	200	–	400	999	400	983
			STEL: 400		STEL: 500	STEL: 1250	STEL: 500	STEL: 1230
d-Limonene**	–	–	–	–	–	–	–	–

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

\*\*American Industrial Hygiene Association (AIHA) recommended limit: 30 ppm (2230 8 hr TWA).

<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 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).

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

Acetone:

Contact type	Glove material	Layer thickness	Breakthrough time*
Full	butyl rubber	0.7 mm	> 480 min.
Splash	Natural rubber	0.6 mm	> 10 min.

\*Determined according to EN374 standard.

**Eye and face protection:** Safety glasses

**Other:** None

**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>	ethereal
<b>Colour</b>	clear, white	<b>Odour threshold</b>	not determined
<b>Initial boiling point</b>	56°C (133°F), product only	<b>Vapour pressure @ 20°C</b>	not determined
<b>Melting point</b>	not determined	<b>% Aromatics by weight</b>	< 0.2%
<b>% Volatile (by volume)</b>	100%	<b>pH</b>	not applicable
<b>Flash point</b>	-18°C (-4°F)	<b>Relative density</b>	0.71 kg/l, product only
<b>Method</b>	PM Closed Cup, product only	<b>Weight per volume</b>	5.9 lbs/gal., product only
<b>Viscosity</b>	not determined	<b>Coefficient (water/oil)</b>	not applicable
<b>Autoignition temperature</b>	222°C (432°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>	LEL: 1.1; UEL: 7	<b>Solubility in water</b>	insoluble
<b>Flammability (solid, gas)</b>	not applicable	<b>Oxidising properties</b>	not determined
<b>Explosive properties</b>	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 and red hot surfaces.

**10.5. Incompatible materials**

Strong oxidizers like liquid Chlorine and concentrated Oxygen.

**10.6. Hazardous decomposition products**

Carbon Monoxide, Carbon Dioxide, 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 skin or lung allergies may be aggravated by exposure.

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

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

Substance	Test	Result
Naphtha (petroleum), hydrotreated light	LD50, rat	> 5000 mg/kg
Acetone	LD50, rat	5800 mg/kg
Isopropanol	LD50, rat	5045 mg/kg
Isopropanol	Human lethal dose	3570 mg/kg
d-Limonene, food grade	LD50, rat	≥ 4400 mg/kg

**Dermal:**

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

Substance	Test	Result
Naphtha (petroleum), hydrotreated light	LD50, rabbit	> 2000 mg/kg
Acetone	LD50, rabbit	20000 mg/kg
Isopropanol	LD50, rabbit	12800 mg/kg
d-Limonene, food grade	LD50, rabbit	> 2000 mg/kg

**Inhalation:**

Excessive inhalation of vapors will irritate the eyes and respiratory tract and cause dizziness, headache and other central nervous system effects.

Substance	Test	Result
Naphtha (petroleum), hydrotreated light	LC50, rat, 4 h	> 5.6 mg/l (analytical, vapor)
Acetone	LC50, rat, 4 h	76 mg/l (vapor)
Isopropanol	LC50, rat, 4 h	46.5 mg/l (vapor)
d-Limonene*	RD50, mice, 10 min.	5.983 mg/l

**Skin corrosion/irritation:**

Prolonged or repeated skin contact may cause skin irritation and dermatitis.

Substance	Test	Result
Naphtha (petroleum), hydrotreated light	Skin irritation, rabbit	Irritating
d-Limonene	Skin irritation, human, rabbit	Irritating

**Serious eye damage/irritation:**

Direct eye contact causes eye irritation.

Substance	Test	Result
Acetone	Eye irritation, rabbit	Irritating
Isopropanol	Eye irritation, rabbit	Moderately irritating

**Respiratory or skin sensitisation:**

May cause an allergic skin reaction. d-Limonene itself is not a skin sensitizer but some of its oxidation products are known skin sensitizers.

Substance	Test	Result
Naphtha (petroleum), hydrotreated light	Skin sensitization, guinea pig	Not sensitizing
Acetone	Skin sensitization, guinea pig	Not sensitizing
Isopropanol	Skin sensitization, guinea pig	Not sensitizing
d-Limonene	Skin sensitization, guinea pig	Sensitizing

**Germ cell mutagenicity:**

Hazardous ingredients: based on available data, the classification criteria are not met.

<b>Carcinogenicity:</b>	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.
<b>Reproductive toxicity:</b>	Naphtha (petroleum), hydrotreated light, Acetone, Isopropanol: based on available data, the classification criteria are not met.
<b>STOT-single exposure:</b>	May cause drowsiness or dizziness.
<b>STOT-repeated exposure:</b>	Hazardous ingredients: based on available data, the classification criteria are not met.
<b>Aspiration hazard:</b>	Aspiration into the lungs may cause chemical pneumonitis or pulmonary oedema.
<b>Other information:</b>	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**

Naphtha (petroleum), hydrotreated light, Isopropanol, Acetone, d-Limonene: expected to be readily biodegradable. Isopropanol, Naphtha (petroleum), hydrotreated light, Orange terpenes: degradation is expected in the atmospheric environment within days to weeks. Acetone: Atmospheric half-life = 79 days (estimated).

**12.3. Bioaccumulative potential**

Naphtha (petroleum), hydrotreated light, d-Limonene: may bioaccumulate in fish and aquatic organisms [Octanol/water partition coefficient (log Kow): 4.23]. Isopropanol, Acetone: low potential for bioaccumulation (BCF < 100).

**12.4. Mobility in soil**

Liquid. Insoluble in water. In determining environmental mobility, consider the product's physical and chemical properties (see Section 9). In aquatic systems, d-Limonene may adsorb to organic matter in sediments and suspended solids. The hazardous ingredients 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. Incinerate sealed containers at an appropriate facility. 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.

**European List of Wastes code:** 15 01 10

**SECTION 14: TRANSPORT INFORMATION****14.1. UN number**

<b>ADR/RID/ADN/IMDG/ICAO:</b>	UN1950
<b>TDG:</b>	UN1950
<b>US DOT:</b>	UN1950

**14.2. UN proper shipping name**

<b>ICAO:</b>	Aerosols, Flammable
<b>IMDG:</b>	Aerosols
<b>ADR/RID/ADN:</b>	Aerosols, <i>flammable</i>
<b>TDG:</b>	Aerosols, <i>flammable</i>
<b>US DOT:</b>	Aerosols, <i>flammable</i>

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

<b>ADR/RID/ADN/IMDG/ICAO:</b>	2.1
<b>TDG:</b>	2.1
<b>US DOT:</b>	2.1

**14.4. Packing group**

<b>ADR/RID/ADN/IMDG/ICAO:</b>	NOT APPLICABLE
<b>TDG:</b>	NOT APPLICABLE
<b>US DOT:</b>	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 94/33/EC on the protection of young people at work. Directive 75/324/EEC on the approximation of the laws of the Member States relating to aerosol dispensers.

**15.1.2. National regulations**

**US EPA SARA TITLE III**

**312 Hazards:**

**313 Chemicals:**

Immediate

None

Fire

Pressure

Release

**TSCA:** All chemical components are listed in the TSCA inventory.

**Hazardous Materials Identification System (HMIS)**

4 = Severe Hazard  
 3 = Serious Hazard  
 2 = Moderate Hazard  
 1 = Slight Hazard  
 0 = Minimal Hazard  
 \* = See Section 8

<b>HEALTH</b>	<b>2</b>
<b>FLAMMABILITY</b>	<b>4</b>
<b>PHYSICAL HAZARD</b>	<b>1</b>
<b>Personal Protection</b>	<b>*</b>

**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: Specific Target Organ Toxicity  
 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)

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

Classification	Classification procedure
Aerosol 1, H222	On basis of components
Eye Irrit. 2, H319	Calculation method
Skin Irrit. 2, H315	Calculation method
Skin Sens. 1, H317	Bridging principle "Dilution"
STOT SE 3, H336	Bridging principle "Dilution"
Aquatic Chronic 2, H411	Calculation method

**Relevant H-statements:** H222: Extremely flammable aerosol.  
 H225: Highly flammable liquid and vapour.  
 H226: Flammable liquid and vapour.  
 H229: Pressurized container: May burst if heated.  
 H304: May be fatal if swallowed and enters airways.  
 H315: Causes skin irritation.  
 H317: May cause an allergic skin reaction.  
 H319: Causes serious eye irritation.  
 H336: May cause drowsiness or dizziness.  
 H400: Very toxic to aquatic life.  
 H410: Very toxic to aquatic life with long lasting effects.  
 H411: Toxic to aquatic life with long lasting effects.

**Relevant R-phrases:** R10: Flammable.  
R11: Highly flammable.  
R12: Extremely flammable.  
R36: Irritating to eyes.  
R38: Irritating to skin.  
R43: May cause sensitisation by skin contact.  
R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R65: Harmful: may cause lung damage if swallowed.  
R66: Repeated exposure may cause skin dryness or cracking.  
R67: Vapours may cause drowsiness and dizziness.

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

**Changes to the SDS in this revision:** Sections 2.1, 2.2.

**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.