



SAFETY DATA SHEET

in accordance with 2020/878/EU (REACH, Annex II) 29 CFR 1910.1200, WHMIS 2022 and Safe Work Australia

Revision date: 23 September 2024 **Date of previous issue:** 5 December 2023 **SDS No.** 157A-26

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

1.1. Product identifier

725 Nickel Anti-Seize Compound (Aerosol)

Unique Formula Identifier (UFI): 3UT5-JQ97-CTHS-S9PM

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

Relevant identified uses: Petroleum base assembly lubricant. Use on stainless steel, steel, iron, aluminum, copper, brass, titanium, etc. Do not use on oxygen systems.

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

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

EU: Chesterton International GmbH, Am Lenzenfleck 23,

D85737 Ismaning, Germany – Tel. +49-89-996-5460

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

Aerosol, Category 1, H222, H229

Skin irritation, Category 2, H315

Skin sensitization, Category 1, H317

Specific target organ toxicity – single exposure, Category 3, H336

Carcinogenicity, Category 2, H351 (inhalation)

Specific target organ toxicity – repeated exposure, Category 1, H372 (lungs, inhalation)

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

Labelling according to Regulation (EC) No 1272/2008 [CLP] / 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.
 H317 May cause an allergic skin reaction.
 H336 May cause drowsiness or dizziness.
 H351 Suspected of causing cancer by inhalation.
 H372 Causes damage to the lungs through prolonged or repeated exposure by inhalation.

Precautionary statements:

H411 Toxic to aquatic life with long lasting effects.
 P201 Obtain special instructions before use.
 P202 Do not handle until all safety precautions have been read and understood.
 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.
 P264 Wash skin thoroughly after handling.
 P270 Do not eat, drink or smoke when using this product.
 P271 Use only outdoors or in a well-ventilated area.
 P272 Contaminated work clothing must not be allowed out of the workplace.
 P273 Avoid release to the environment.
 P280 Wear protective gloves and eye/face protection.
 P302/352 IF ON SKIN: Wash with plenty of soap and water.
 P304/340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P308/313 IF exposed or concerned: Get medical advice/attention.
 P362/364 Take off contaminated clothing and wash it before reuse.
 P403 Store in a well-ventilated place.
 P410/412 Protect from sunlight. Do not expose to temperatures exceeding 122 °F/50 °C.
 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 ¹	% Wt.	CAS No./ EC No.	REACH Reg. No.	CLP/GHS Classification	SCL, M-factor, ATE
Naphtha (petroleum), hydrotreated light*	30-40	64742-49-0 265-151-9	NA	Flam. Liq. 2, H225 Asp. Tox. 1, H304 Skin Irrit. 2, H315 STOT SE 3, H336 Aquatic Chronic 2, H411	ATE (oral): > 5,000 mg/kg ATE (dermal): > 2,000 mg/kg ATE (inhalation, mist): > 5.61 mg/l
Distillates (petroleum), hydrotreated heavy naphthenic**	10-20	64742-52-5 265-155-0	NA	Asp. Tox. 1, H304	ATE (oral): > 5,000 mg/kg ATE (dermal): > 3,000 mg/kg ATE (inhalation, mist): > 5 mg/l
Nickel	7-13	7440-02-0 231-111-4	NA	Carc. 2, H351 (inhalation) STOT RE 1, H372 (lungs, inhalation) Skin Sens. 1, H317 Aquatic Chronic 3, H412	ATE (oral): > 9,000 mg/kg

Propane	7-13	74-98-6 200-827-9	NA	Flam. Gas 1, H220 Press. Gas (Comp.), H280 Simple Asphyxiant (US/Can.)	ATE (inhalation, vapour): 658 mg/l
Butane***	7-13	106-97-8 203-448-7	NA	Flam. Gas 1, H220 Press. Gas (Comp.), H280 Simple Asphyxiant (US/Can.)	ATE (inhalation, vapour): 30.96 mg/l
Methanol	0.1-0.2	67-56-1 200-659-6	NA	Flam. Liq. 2, H225 Acute Tox. 3, H331, H311, H301 Eye Irrit. 2, H319 STOT SE 1, H370	STOT SE 1; H370: C ≥ 10 % STOT SE 2; H371: 3 % ≤ C < 10 % ATE (oral): 100 mg/kg ATE (dermal): 300 mg/kg ATE (inhalation, vapour): 3 mg/l
Other ingredients:					
Aluminum	1-5	7429-90-5 231-072-3	NA	Not classified ^{a,b}	NA
Graphite	1-5	7782-42-5 231-955-3	01-2119 486977- 12	Not classified ^b	ATE (oral): > 2,000 mg/kg
*Contains less than 0.1 % w/w Benzene. **Contains less than 3 % DMSO extract as measured by IP 346. ***Contains less than 0.1 % w/w 1,3-Butadiene. ^a Not classified for flammability and water-reactivity based on the results of UN tests N.1 and N.5, respectively. ^b Substance with a workplace exposure limit. For full text of H-statements: see SECTION 16.					
¹ Classified according to: <ul style="list-style-type: none"> • 29 CFR 1910.1200, 1915, 1916, 1917, Mass. Right-to-Know Law (ch. 40, M.G.L..O. 111F) • 1272/2008/EC, GHS, REACH • WHMIS 2022 • 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.
- 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. Do not breathe vapours. See section 8.2.2 for recommendations on personal protective equipment.

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

Irritating to skin. May cause skin sensitization as evidenced by rashes or hives. High vapor concentrations may cause eye and respiratory tract irritation, dizziness, headache and other central nervous system effects.

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 fog

Unsuitable extinguishing media: High volume water jet

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products: Carbon Monoxide, Carbon Dioxide, 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**

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

Keep away from sources of ignition - No smoking. If removal of ignition sources is not possible, then flush material away with water. Scoop up and transfer to 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**

Observe good work practice - avoid eating, drinking and smoking in the work area while using any hydrocarbons. Do not breathe vapours/spray. Utilize exposure controls and personal protection as specified in Section 8. Remove contaminated clothing and wash before reuse. 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)

Petroleum base. Use on stainless steel, steel, iron, aluminum, copper, brass, titanium, etc. Do not use on oxygen systems. Refer to the product instructions and product data sheet for more detailed application information.

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 light	N/A	N/A	247*	1,200*	N/A	N/A	N/A	N/A
Oil mist, mineral	N/A	5	N/A	5	N/A	N/A	N/A	5
Nickel**	(total dust)	1	(inhalable)	1.5	N/A	0.5	(total dust)	1
Propane	1,000	1,800	***	N/A	N/A	N/A	***	N/A
Butane	N/A	N/A	1,000	N/A	600	1,450	800	1,900
					STEL:			
					750	810		
Methanol	200	260	200	(skin)	200	266	200	262
			STEL:		STEL:		(skin)	
			250		250	333	STEL:	328
							250	
Aluminum**	(total)	15	(resp.)	1	(inhal.)	10	N/A	10
	(resp.)	5			(resp.)			
						4		
Graphite**	(total)	15	(resp.)	2	(total)	10	(resp.)	3
	(resp.)	5			(resp.)	4		

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

**The nickel, aluminum and graphite in this product do not separate from the mixture or in of themselves become airborne, therefore, do not present a hazard in normal use.

***Simple asphyxiant.

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 Safe Work Australia, Workplace Exposure Standards for Airborne Contaminants

Biological limit values

Methanol:

Control parameter	Biological specimen	Sampling Time	Limit value	Source	Notes
Methanol	Urine	End of shift	15 mg/l	ACGIH	Background, Nonspecific

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

Substance	Route of exposure	Potential health effects	DNEL
Distillates (petroleum), hydrotreated heavy naphthenic	Inhalation	Chronic effects, local	5.58 mg/m ³ (GESTIS)
Nickel	Inhalation	Acute effects, local	11.9 mg/m ³
		Chronic effects, local	0.05 mg/m ³
		Chronic effects, systemic	0.05 mg/m ³
Aluminum	Dermal	Chronic effects, local	0.035 mg/cm ²
	Inhalation	Chronic effects, local	3.72 mg/m ³ (GESTIS)
Graphite	Inhalation	Acute effects, local	1.2 mg/m ³ (GESTIS)
		Chronic effects, local	1.2 mg/m ³ (GESTIS)
Methanol	Inhalation	Acute effects, local	130 mg/m ³
		Acute effects, systemic	130 mg/m ³
		Chronic effects, local	130 mg/m ³
		Chronic effects, systemic	130 mg/m ³
		Dermal	Acute effects, local
		Acute effects, systemic	20 mg/kg/day
		Chronic effects, local	*
		Chronic effects, systemic	20 mg/kg/day

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

Substance	Environmental protection target	PNEC
Nickel	Fresh water	7.1 µg/l
	Freshwater sediments	109 mg/kg
	Marine water	8.6 µg/l
	Marine sediments	109 mg/kg
	Soil (agricultural)	29.9 mg/kg
Methanol	Fresh water / Marine water	No hazard identified
	Freshwater sediments / Marine sediments	No hazard identified
	Microorganisms in sewage treatment	No hazard identified
	Soil (agricultural)	No hazard identified
	Air	No hazard identified

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. In case of insufficient ventilation, utilize an approved organic vapor respirator (e.g., EN filter type A/P2).

Protective gloves: Chemical resistant gloves

Nickel:

Contact type	Glove material	Layer thickness	Breakthrough time *
Full	Nitrile rubber	0.11 mm	> 480 min.
Splash	Nitrile rubber	0.11 mm	> 480 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**

Physical state	liquid	pH	not applicable
Colour	gray	Kinematic viscosity	225 cSt @ 40°C
Odour	petroleum	Solubility in water	insoluble
Odour threshold	no data available	Partition coefficient n-octanol/water (log value)	not applicable
Boiling point or range	121°C (250°F)	Vapour pressure @ 20°C	not determined
Melting point/freezing point	not determined	Density and/or relative density	0.9 kg/l
% Volatile (by volume)	76.9%	Weight per volume	7.8 lbs/gal.
Flammability	ignitable	Vapour density (air=1)	> 1
Lower/upper flammability or explosion limits	not determined	Rate of evaporation (ether=1)	< 1
Flash point	17°C (63°F), product only	% Aromatics by weight	3.6% maximum
Method	PM Closed Cup	Particle characteristics	not applicable
Autoignition temperature	not determined	Explosive properties	no data available
Decomposition temperature	no data available	Oxidising properties	no data available

9.2. Other information

None

SECTION 10: STABILITY AND REACTIVITY**10.1. Reactivity**

No data available for the mixture. Nickel can react vigorously with acids to liberate hydrogen, which can form explosive mixtures with air.

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 acids, alkalis and 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 hazard classes as defined in Regulation (EC) No 1272/2008 / GHS**

Primary route of exposure under normal use: Inhalation, skin and eye contact. Personnel with pre-existing skin disorders are generally aggravated by exposure.

Acute toxicity -**Oral:**

Substance	Test	Result
Naphtha (petroleum), hydrotreated light	LD50, rat	> 5,000 mg/kg
Distillates (petroleum), hydrotreated heavy naphthenic	LD50 rat	> 5,000 mg/kg, estimated
Nickel	LD50, rat	> 9,000 mg/kg
Methanol	LD50, rat	5,628 mg/kg
Methanol	Human lethal dose	143 mg/kg

Dermal:

Substance	Test	Result
Naphtha (petroleum), hydrotreated light	LD50, rabbit	> 2,000 mg/kg
Distillates (petroleum), hydrotreated heavy naphthenic	LD50, rat	> 3,000 mg/kg, estimated

Inhalation:

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

Substance	Test	Result
Naphtha (petroleum), hydrotreated light	LC50, rat, 4 hours	> 5.61 mg/l
Distillates (petroleum), hydrotreated heavy naphthenic	LC50, rat, 4 hours	> 5 mg/l, estimated
Nickel	NOAEC, rat, 1 h,	> 10.2 mg/l
Methanol	LC50, rat, 4 hours	64,000 ppm (V)
Propane	LC50, rat, 4 hours	658 mg/l
Butane	LC50, rat, 4 hours	30.96 mg/l

Skin corrosion/irritation:

Irritating to skin.

Substance	Test	Result
Naphtha (petroleum), hydrotreated light	Skin irritation, (OECD 404), rabbit	Irritating
Distillates (petroleum), hydrotreated heavy naphthenic	Skin irritation, rabbit	Not irritating

Serious eye damage/irritation:

Substance	Test	Result
Naphtha (petroleum), hydrotreated light	Eye irritation (OECD 405), rabbit	Not irritating
Distillates (petroleum), hydrotreated heavy naphthenic	Eye irritation, rabbit	Not irritating

Respiratory or skin sensitisation:

Nickel: May cause sensitisation by skin contact.

Substance	Test	Result
Naphtha (petroleum), hydrotreated light	Skin sensitization, guinea pig	Not sensitizing
Distillates (petroleum), hydrotreated heavy naphthenic	Skin sensitization (OECD 406)	Not sensitizing
Aluminum	Skin sensitization, guinea pig	Not sensitizing (read-across)
Graphite	Skin sensitization (OECD 429), mouse	Not sensitizing
Methanol	Skin sensitization, guinea pig	Not sensitizing

Germ cell mutagenicity:

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

Carcinogenicity:

The National Toxicology Program (NTP) has listed Nickel powder as a potential carcinogen based on inhalation studies. The International Agency for Research on Cancer (IARC) has designated Nickel as possibly carcinogenic to humans (group 2B). The Nickel in this product is not in powder form and should not present a hazard in normal use. The U.S. National Institute for Occupational Safety and Health (NIOSH) concluded that there is no evidence that nickel metal is carcinogenic when ingested. To date, there is no evidence that nickel metal causes cancer in humans based on epidemiology data from workers in the nickel producing and nickel consuming industries. A recent animal (rat) inhalation study showed no increased respiratory cancer risk for nickel metal powder indicating that no carcinogen classification is warranted for nickel metal.

Reproductive toxicity:

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

STOT – single exposure:

Naphtha (petroleum), hydrotreated light: Causes damage to lungs through prolonged or repeated inhalation exposure. Other ingredients: based on available data, the classification criteria are not met.

STOT – repeated exposure:

Nickel: Causes damage to lungs through prolonged or repeated inhalation exposure. Other ingredients: based on available data, the classification criteria are not met.

Aspiration hazard:

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

11.2. Information on other hazards

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

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

12.2. Persistence and degradability

Naphtha (petroleum), hydrotreated light: inherently biodegradable. Naphtha (petroleum), hydrotreated light, Petroleum gases, liquefied, sweetened: oxidize by photochemical reactions in air. Distillates (petroleum), hydrotreated heavy naphthenic: inherently biodegradable [31% biodegradation (OECD 301F, 28 days)]. Nickel, Aluminum, Graphite: inorganic substances.

12.3. Bioaccumulative potential

Naphtha (petroleum), hydrotreated light, Octanol/water partition coefficient (log Kow): 2.1 – 5 (estimated). Propane, Butane, Distillates (petroleum), hydrotreated heavy naphthenic, Nickel, Aluminum, Graphite: not expected to bioaccumulate. Methanol: 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). Low boiling point naphtha, Petroleum gases, liquefied, sweetened: will rapidly evaporate to the air if released into the environment.

12.5. Results of PBT and vPvB assessment

Not available

12.6. Endocrine disrupting properties

No information available

12.7. Other adverse effects

None known

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

Incinerate absorbed material with a properly licensed facility. Incinerate pressurized or sealed containers in an approved facility. Treatment for nickel may need to be provided after incineration and prior to any land disposal. This product is classified as a hazardous waste according to 2008/98/EC. 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. EU regulations**

Authorisations under Title VII: Not applicable

Restrictions under Title VIII: None

Other EU regulations: Directive 92/85/EEC on the safety and health at work of pregnant workers and workers who have recently given birth or are breastfeeding
 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
 Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances (hazard category P3a, Flammable Aerosols; qualifying quantities 150 t (net), 500 t (net)).

15.1.2. 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	Nickel	7440-02-0	7-13%
Gases under pressure	Aluminum	7429-90-5	1-5%
Skin irritation			
Skin sensitization			
Specific target organ toxicity – single exposure			
Carcinogenicity			
Specific target organ toxicity – repeated exposure			

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

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:	<p>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 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 SCL: Specific Concentration Limit 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.</p>
Key literature references and sources for data:	<p>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)</p>

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

Classification	Classification procedure
Aerosol 1, H222	On basis of components
Skin Irrit. 2, H315	Calculation method
Skin Sens. 1, H317	Calculation method
STOT SE 3, H336	Calculation method
Carc. 2, H351	Calculation method
STOT RE 1, H372	Calculation method
Aquatic Chronic 2, H411	Calculation method

Relevant H-statements:

- H220: Extremely flammable gas.
- H225: Highly flammable liquid and vapour.
- H280: Contains gas under pressure; may explode if heated.
- H301: Toxic if swallowed.
- H304: May be fatal if swallowed and enters airways.
- H311: Toxic in contact with skin.
- H315: Causes skin irritation.
- H317: May cause an allergic skin reaction.
- H319: Causes serious eye irritation.
- H331: Toxic if inhaled.
- H336: May cause drowsiness or dizziness.
- H351: Suspected of causing cancer.
- H370: Causes damage to organs.
- H372: Causes damage to organs through prolonged or repeated exposure.
- H411: Toxic to aquatic life with long lasting effects.
- H412: Harmful to aquatic life with long lasting effects.

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

Further information: None

Date of last revision: 23 September 2024

Changes to the SDS in this revision: Sections 2.1, 2.2, 6.1, 6.3, 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.