

| SAFETY DATA SHEET in accordance with 1907/2006/EC (REACH, as amended by 2015/830/EU) 29 CFR 1910.1200 and WHMIS 2015 | | | | | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|
| Revision date:24 September 2020Initial date of issue:3 July 2007SDS No.267A-20b | | | | | | | |
| SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING | | | | | | | |
| 1.1. Product identifier 276 Electronic Component Cleaner (Aerosol) | | | | | | | |
| 1.2. Relevant identified uses of the substance or mixture and uses advised against | | | | | | | |
| Petroleum base cleaner. | | | | | | | |
| 1.3. Details of the supplier of the safety data sheet | | | | | | | |
| Company:Supplier:A.W. CHESTERTON COMPANY860 Salem StreetGroveland, MA 01834-1507, USATel. +1 978-469-6446Fax: +1 978-469-6785(Mon Fri. 8:30 - 5:00 PM EST)SDS requests: www.chesterton.comE-mail (SDS questions): ProductMSDSs@chesterton.comE-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 | | | | | | | |
| 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* 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. Aerosol 1, H222 Press. Gas (Comp.), H280 Asp. Tox. 1, H304 Skin Irrit. 2, H315 STOT SE 3, H336 Aquatic Chronic 2, H411 | | | | | | | |
| 2.1.3. Australian statement of hazardous nature | | | | | | | |
| Hazardous according to criteria of Safe Work Australia. | | | | | | | |
| 2.1.4. Additional information | | | | | | | |
| For full text of H-statements: see SECTIONS 2.2 and 16. *Labelling not required for aerosols containing substances or mixtures classified as presenting an aspiration hazard, under Article 23 of the CLP. | | | | | | | |

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|-------------------------------|------------------|---------------------------------------------------------------------------------------------|------------------------------|
| 2.2. Label elements | | | |
| 2.2.1. Labelling according to | c Regulation (| (EC) No 1272/2008 [CLP] | |
| Hazard pictograms: | | \land | |
| | <*>>< | | |
| | | \checkmark \checkmark | |
| Signal word: | Danger | | |
| Hazard statements: | H222 | Extremely flammable aerosol. | |
| | H229 | Pressurized container: May burst if heated. | |
| | H315 | Causes skin irritation. | |
| | 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 flame No smoking. | - |
| | P211 | Do not spray on an open flame or other ignition source. | |
| | P251 | Do not pierce or burn, even after use. | |
| | P260 P262 | Do not breathe vapours/spray. Do not get in eyes, on skin, or on clothing. | |
| | P262 P264 | Wash skin thoroughly after handling. | |
| | P273 | Avoid release to the environment. | |
| | P280 | Wear protective gloves. | |
| | P312 | Call a POISON CENTER or doctor/physician if you feel | |
| | P410/412 | Protect from sunlight. Do not expose to temperatures e | xceeding 50 °C. |
| Supplemental information: | None | | |
| 2.2.2. Labelling according to | 29 CFR 1910 | 0.1200 / WHMIS 2015 | |
| Hazard pictograms: | | | |
| Signal word: | Danger | | |
| Hazard statements: | H222 | Extremely flammable aerosol. | |
| | H304 | May be fatal if swallowed and enters airways. | |
| | H280 H315 | Contains gas under pressure; may explode if heated. Causes skin irritation. | |
| | 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 flame | s and other ignition sources |
| | P211 | No smoking. 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. | |
| | P271 | Use only outdoors or in a well-ventilated area. | |
| | P273 | Avoid release to the environment. | |
| | P280 P301/310 | Wear protective gloves. IF SWALLOWED: Immediately call a POISON CENTER | or doctor/nhysician |
| | P331 | Do NOT induce vomiting. | t of doctor/priysician. |
| | P302/352 | IF ON SKIN: Wash with plenty of soap and water. | |
| | P304/340 | IF INHALED: Remove person to fresh air and keep con | |
| | P312 | Call a POISON CENTER or doctor/physician if you feel | |
| | P362/364 | Take off contaminated clothing and wash it before reus | е. |
| | P403 P410/412 | Store in a well-ventilated place. Protect from sunlight. Do not expose to temperatures e | vcooding 50 °C |
| | P410/412 P501 | Dispose of contents/container to an approved waste dis | |
| Supplemental information: | None | | |
| 2.3. Other hazards | | | |
| None known | | | |

None known

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| | OMPOSITION/INFORM | ATION ON IN | GREDIENTS | | | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
| 3.2. Mixtures | | | | | | | | |
| Hazardous Ingr | edients ¹ | % Wt. | CAS No./ EC No. | REACH Reg. No. | CLP/GHS Classification | | | |
| Naphtha (petrole | eum), light alkylate* | 85-95 | 64741-66-8 265-068-8 | 01-211947 1305-42 | Flam. Liq. 2, H225 Asp. Tox. 1, H304 Skin Irrit. 2, H315 STOT SE 3, H336 Aquatic Chronic 2, H411 Flam. Liq. 2, H225 Eye Irrit. 2, H319 | | | |
| Isopropanol | | 5-9 | 67-63-0 200-661-7 | 01-211945 7558-25 | | | | |
| Carbon dioxide | | 1-5 | 124-38-9 204-696-9 | NA | STOT SE 3, H336 Press. Gas (Comp.), H280 | | | |
| *Contains less th | statements: see SECT nan 0.1 % w/w Benzene ing to: * 29 CFR 1910.12 * 1272/2008/EC, F * WHMIS 2015 * Safe Work Austr | e. Alternative C 00, 1915, 1916, REACH | 1917, Mass. Right-t | | M.G.LO. 111F), California Proposition 65 | | | |
| SECTION 4: FI | RST AID MEASURES | | | | | | | |
| 4.1. Descriptior | n 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. | | | | | | | |
| ngestion: Do not induce vomiting. Contact physician immediately. | | | | | | | | |
| 4.2. Most impor | tant symptoms and ef | ffects, both ad | cute and delayed | | | | | |
| Causes skin irritation. 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. Aspiration into the lungs may cause chemical pneumonitis or pulmonary oedema. | | | | | | | | |
| 4.3. Indication of | of any immediate med | ical attention | and special treat | ment needed | | | | |
| 4.3. Indication of any immediate medical attention and special treatment needed Treat symptoms. | | | | | | | | |
| SECTION 5: FIREFIGHTING MEASURES | | | | | | | | |
| · · | ng media | | | | | | | |
| SECTION 5: FI | Suitable extinguishing media: Carbon dioxide, dry chemical, foam or water spray | | | | | | | |
| SECTION 5: FI | disting meula. Call | | Unsuitable extinguishing media: High volume water jet | | | | | |
| SECTION 5: FI 5.1. Extinguishi Suitable exting | - | - | | | | | | |
| SECTION 5: FI 5.1. Extinguish Suitable exting Unsuitable exti | - | gh volume wat | er jet | | | | | |
| SECTION 5: FI 5.1. Extinguishi Suitable exting Unsuitable exti 5.2. Special haz | nguishing media: Hi | gh volume wat substance or | er jet mixture | | | | | |
| SECTION 5: FII 5.1. Extinguishi Suitable exting Unsuitable exti 5.2. Special haz Pressurized con | nguishing media: Hi ards arising from the tainers, when heated, a | gh volume wat substance or | er jet mixture | | | | | |
| SECTION 5: FI 5.1. Extinguishi Suitable exting Unsuitable exti 5.2. Special haz Pressurized con 5.3. Advice for | nguishing media: Hi ards arising from the tainers, when heated, a | gh volume wat substance or re a potential e | er jet mixture explosive hazard. | contained breathir | ng apparatus. | | | |
| SECTION 5: FII 5.1. Extinguishi Suitable exting Unsuitable extin 5.2. Special haz Pressurized con 5.3. Advice for Cool exposed co | nguishing media: Hi cards arising from the tainers, when heated, a firefighters | gh volume wat substance or re a potential e commend Fire | er jet mixture explosive hazard. fighters wear self- | | | | | |
| SECTION 5: FII 5.1. Extinguishi Suitable exting Unsuitable extii 5.2. Special haz Pressurized con 5.3. Advice for Cool exposed co Flammability C | nguishing media: Hi ards arising from the tainers, when heated, a firefighters ontainers with water. Re | gh volume wat substance or re a potential e commend Fire Storage Level | er jet mixture explosive hazard. fighters wear self- | | | | | |
| SECTION 5: FII 5.1. Extinguishi Suitable exting Unsuitable exting 5.2. Special haz Pressurized con 5.3. Advice for Cool exposed co Flammability C HAZCHEM Eme | nguishing media: Hi zards arising from the tainers, when heated, a firefighters ontainers with water. Re lassification: NFPA | gh volume wat substance or re a potential e commend Fire Storage Level 2 Y | er jet mixture explosive hazard. fighters wear self- | | | | | |
| SECTION 5: FII 5.1. Extinguishi Suitable exting Unsuitable exting 5.2. Special haz Pressurized con 5.3. Advice for Cool exposed co Flammability C HAZCHEM Eme SECTION 6: AC | nguishing media: Hi ards arising from the tainers, when heated, a firefighters ontainers with water. Re lassification: NFPA ergency Action Code: | gh volume wat substance or re a potential e commend Fire Storage Level 2 Y MEASURES | er jet mixture explosive hazard. fighters wear self- III; 16 CFR 1500.3 | B Extremely flamm | | | | |
| SECTION 5: FII 5.1. Extinguishi Suitable exting Unsuitable exting 5.2. Special haz Pressurized con 5.3. Advice for Cool exposed co Flammability C HAZCHEM Eme SECTION 6: AC 6.1. Personal p | nguishing media: Hi ards arising from the tainers, when heated, a firefighters ontainers with water. Re lassification: NFPA ergency Action Code: CCIDENTAL RELEASE recautions, protective | gh volume wat substance or re a potential e commend Fire Storage Level 2 Y MEASURES equipment ar | rer jet mixture explosive hazard. fighters wear self- III; 16 CFR 1500.3 | B Extremely flamm | | | | |
| SECTION 5: FII 5.1. Extinguishi Suitable exting Unsuitable exting 5.2. Special haz Pressurized con 5.3. Advice for Cool exposed co Flammability C HAZCHEM Eme SECTION 6: AC 6.1. Personal pr Evacuate area. F | nguishing media: Hi ards arising from the tainers, when heated, a firefighters ontainers with water. Re lassification: NFPA ergency Action Code: CCIDENTAL RELEASE recautions, protective | gh volume wat substance or re a potential e commend Fire Storage Level 2 Y MEASURES equipment ar | rer jet mixture explosive hazard. fighters wear self- III; 16 CFR 1500.3 | B Extremely flamm | able aerosol | | | |

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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. After handling, wash before eating, drinking or smoking. Vapors are heavier than air and will collect in low areas. Vapor accumulations could flash and/or explode if ignited.

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. Store in a well-ventilated place.

7.3. Specific end use(s)

No special precautions.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limit values

| ······································ | | | | | | | | |
|-----------------------------------------|-------------|-----------------------------------------|------------------------|-----------------------------------------|------------------------|---------------------------------------|------------------------|-------------------|
| Ingredients | OSH/ ppm | A PEL ¹ mg/m ³ | ACGII ppm | H TLV ² mg/m ³ | UK \ ppm | NEL ³ mg/m ³ | AUSTR/ ppm | ALIA ES⁴ mg/m³ |
| | pp | | ppm | | ppm | | ppm | |
| Naphtha (petroleum), light alkylate* | - | - | 300* | 1400* | - | - | - | - |
| Isopropanol | 400 | 980 | 200 STEL: 400 | - | 400 STEL: 500 | 999 STEL: 1250 | 400 STEL: 500 | 983 1230 |
| Carbon dioxide | 5000 | 9000 | 5000 STEL: 30000 | 9000 54000 | 5000 STEL: 15000 | 9150 STEL: 27400 | 5000 STEL: 30000 | 9000 54000 |
| | | | 30000 | 54000 | 13000 | 21400 | 30000 | 54000 |

*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].

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 approved organic vapor respirator (e.g., EN filter type A-P2). |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Protective gloves: | Chemical resistant gloves (e.g. neoprene, nitrile). |
| Eye and face protectio | n: Safety goggles. |
| Other: | Impervious clothing as necessary to prevent skin contact. |
| 8.2.3. Environmental e | xposure controls |
| Refer to sections 6 and | 12 |

| | D CHEMICAL PROPERTIES | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 9.1. Information on basic ph | ysical and chemical properties | | |
| Physical state | liquid | Odour | mild odor |
| Colour | clear | Odour threshold | not determined |
| Initial boiling point | 98°C (208°F) | Vapour pressure @ 20°C | approx. 60 mm Hg |
| Melting point | not determined | % Aromatics by weight | < 0.01% |
| % Volatile (by volume) Flash point | 100% -6.1°C (21°F) | pH Relative density | not applicable 0.7 kg/l |
| Method | Closed Cup | Weight per volume | 5.8 lbs/gal. |
| Viscosity | 1 cst @ 25°C | Coefficient (water/oil) | < 1 |
| Autoignition temperature | approx. 382°C (approx. 720°F) | Vapour density (air=1) | > 1 |
| Decomposition temperature Upper/lower flammability or | | Rate of evaporation (ether=1) Solubility in water | < 1 slightly soluble |
| explosive limits Flammability (solid, gas) Explosive properties | not applicable not determined | Oxidising properties | not determined |
| 9.2. Other information | | | |
| None | | | |
| SECTION 10: STABILITY AN | ID REACTIVITY | | |
| 10.1. Reactivity | _ | | |
| Refer to sections 10.3 and 10. | 5. | | |
| 10.2. Chemical stability | | | |
| Stable | | | |
| 10.3. Possibility of hazardou | is reactions | | |
| - | n under conditions of normal use. | | |
| 10.4. Conditions to avoid | | | |
| | | | |
| Open flames, heat, sparks and | | | |
| 10.5. Incompatible materials | <i>,</i> | | |
| Strong oxidizers like liquid Ch | orine and concentrated Oxygen, | reactive metals | |
| Salary online inte inquiti Chi | | | |
| | tion products | | |
| | • | | |
| 10.6. Hazardous decomposit Carbon Monoxide, aldehydes SECTION 11: TOXICOLOGI | and other toxic fumes. | | |
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| 10.6. Hazardous decomposit Carbon Monoxide, aldehydes SECTION 11: TOXICOLOGIC 11.1. Information on toxicolo | and other toxic fumes. | . Personnel with pre-existing derma | titis are generally aggravated by |
| 10.6. Hazardous decomposit Carbon Monoxide, aldehydes SECTION 11: TOXICOLOGIC 11.1. Information on toxicolo Primary route of exposure under normal use: | and other toxic fumes. CAL INFORMATION ogical effects Inhalation, skin and eye contact | . Personnel with pre-existing derma | titis are generally aggravated by |
| 10.6. Hazardous decomposit Carbon Monoxide, aldehydes SECTION 11: TOXICOLOGIC 11.1. Information on toxicolo Primary route of exposure under normal use: | and other toxic fumes. CAL INFORMATION ogical effects Inhalation, skin and eye contact exposure. | . Personnel with pre-existing derma | |
| 10.6. Hazardous decomposit Carbon Monoxide, aldehydes SECTION 11: TOXICOLOGIC 11.1. Information on toxicolo Primary route of exposure under normal use: Acute toxicity - | and other toxic fumes. CAL INFORMATION ogical effects Inhalation, skin and eye contact exposure. Based on available data on comp Substance | ponents, the classification criteria a | re not met. |
| 10.6. Hazardous decomposit Carbon Monoxide, aldehydes SECTION 11: TOXICOLOGIC 11.1. Information on toxicolo Primary route of exposure under normal use: Acute toxicity - | and other toxic fumes. CAL INFORMATION ogical effects Inhalation, skin and eye contact exposure. Based on available data on comp Substance Naphtha (petroleum), light alky | ponents, the classification criteria a Test late LD50, rat | re not met. Result > 10000 mg/kg |
| 10.6. Hazardous decomposit Carbon Monoxide, aldehydes SECTION 11: TOXICOLOGIC 11.1. Information on toxicolo Primary route of exposure under normal use: Acute toxicity - | and other toxic fumes. CAL INFORMATION ogical effects Inhalation, skin and eye contact exposure. Based on available data on comp Substance Naphtha (petroleum), light alky Isopropanol | ponents, the classification criteria a Test late LD50, rat LD50, rat | re not met. Result > 10000 mg/kg 5840 mg/kg |
| 10.6. Hazardous decomposit Carbon Monoxide, aldehydes SECTION 11: TOXICOLOGIC 11.1. Information on toxicolo Primary route of exposure under normal use: Acute toxicity - Oral: | and other toxic fumes. CAL INFORMATION ogical effects Inhalation, skin and eye contact exposure. Based on available data on comp Substance Naphtha (petroleum), light alkyl Isopropanol Isopropanol | ponents, the classification criteria a Test late LD50, rat LD50, rat Human lethal dose | re not met. Result > 10000 mg/kg 5840 mg/kg 3570 mg/kg |
| 10.6. Hazardous decomposit Carbon Monoxide, aldehydes SECTION 11: TOXICOLOGIC 11.1. Information on toxicolo Primary route of exposure under normal use: Acute toxicity - | and other toxic fumes. CAL INFORMATION ogical effects Inhalation, skin and eye contact exposure. Based on available data on comp Substance Naphtha (petroleum), light alkyl Isopropanol Isopropanol | ponents, the classification criteria a Test late LD50, rat LD50, rat | re not met. Result > 10000 mg/kg 5840 mg/kg 3570 mg/kg |
| 10.6. Hazardous decomposit Carbon Monoxide, aldehydes SECTION 11: TOXICOLOGIC 11.1. Information on toxicolo Primary route of exposure under normal use: Acute toxicity - Oral: | and other toxic fumes. CAL INFORMATION Digical effects Inhalation, skin and eye contact exposure. Based on available data on comp Substance Naphtha (petroleum), light alkyl Isopropanol Isopropanol Based on available data on comp Substance | ponents, the classification criteria a Test LD50, rat LD50, rat Human lethal dose ponents, the classification criteria a Test | re not met. Result > 10000 mg/kg 5840 mg/kg 3570 mg/kg re not met. Result |
| 10.6. Hazardous decomposit Carbon Monoxide, aldehydes SECTION 11: TOXICOLOGIC 11.1. Information on toxicolo Primary route of exposure under normal use: Acute toxicity - Oral: | and other toxic fumes. CAL INFORMATION ogical effects Inhalation, skin and eye contact exposure. Based on available data on comp Substance Naphtha (petroleum), light alkyl Isopropanol Isopropanol Based on available data on comp Substance Naphtha (petroleum), light alkyl | ponents, the classification criteria a Test LD50, rat LD50, rat Human lethal dose ponents, the classification criteria a Test late LD50, rabbit | re not met. Result > 10000 mg/kg 5840 mg/kg 3570 mg/kg re not met. Result > 3160 mg/kg |
| 10.6. Hazardous decomposit Carbon Monoxide, aldehydes SECTION 11: TOXICOLOGIC 11.1. Information on toxicolo Primary route of exposure under normal use: Acute toxicity - Oral: | and other toxic fumes. CAL INFORMATION Digical effects Inhalation, skin and eye contact exposure. Based on available data on comp Substance Naphtha (petroleum), light alkyl Isopropanol Isopropanol Based on available data on comp Substance | ponents, the classification criteria a Test LD50, rat LD50, rat Human lethal dose ponents, the classification criteria a Test | re not met. Result > 10000 mg/kg 5840 mg/kg 3570 mg/kg re not met. Result |
| 10.6. Hazardous decomposit Carbon Monoxide, aldehydes SECTION 11: TOXICOLOGIC 11.1. Information on toxicolo Primary route of exposure under normal use: Acute toxicity - Oral: | and other toxic fumes. CAL INFORMATION Digical effects Inhalation, skin and eye contact exposure. Based on available data on comp Substance Naphtha (petroleum), light alkyl Isopropanol Based on available data on comp Substance Naphtha (petroleum), light alkyl Isopropanol Vapor concentrations above recomp | ponents, the classification criteria a Test LD50, rat LD50, rat Human lethal dose ponents, the classification criteria a Test late LD50, rabbit | re not met. Result $> 10000 \text{ mg/kg}$ 5840 mg/kg 3570 mg/kg re not met. Result $> 3160 \text{ mg/kg}$ 13900 mg/kg ating to the eyes and the |
| 10.6. Hazardous decomposit Carbon Monoxide, aldehydes SECTION 11: TOXICOLOGIC 11.1. Information on toxicolo Primary route of exposure under normal use: Acute toxicity - Oral: Dermal: | and other toxic fumes. CAL INFORMATION Digical effects Inhalation, skin and eye contact exposure. Based on available data on comp Substance Naphtha (petroleum), light alkyl Isopropanol Based on available data on comp Substance Naphtha (petroleum), light alkyl Isopropanol Vapor concentrations above recorrespiratory tract, may cause head nervous system effects. | ponents, the classification criteria a Test late LD50, rat LD50, rat Human lethal dose ponents, the classification criteria a Test late LD50, rabbit LD50, rabbit bommended exposure levels are irrited daches and dizziness, are anaesthe | re not met. Result > 10000 mg/kg 5840 mg/kg 3570 mg/kg re not met. Result > 3160 mg/kg 13900 mg/kg ating to the eyes and the etic and may have other central |
| 10.6. Hazardous decomposit Carbon Monoxide, aldehydes SECTION 11: TOXICOLOGIC 11.1. Information on toxicolo Primary route of exposure under normal use: Acute toxicity - Oral: Dermal: | and other toxic fumes. CAL INFORMATION Digical effects Inhalation, skin and eye contact exposure. Based on available data on comp Substance Naphtha (petroleum), light alkyl Isopropanol Based on available data on comp Substance Naphtha (petroleum), light alkyl Isopropanol Vapor concentrations above recorrespiratory tract, may cause head | ponents, the classification criteria a Test LD50, rat LD50, rat Human lethal dose ponents, the classification criteria a Test LD50, rabbit LD50, rabbit LD50, rabbit commended exposure levels are irritedaches and dizziness, are anaesthe Test | re not met. Result $> 10000 \text{ mg/kg}$ 5840 mg/kg 3570 mg/kg re not met. Result $> 3160 \text{ mg/kg}$ 13900 mg/kg ating to the eyes and the |

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| Skin corrosion/irritation: | Causes skin irritation. | | | | |
|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|-------------------------------------|--|--|
| | Substance | Test | Result | | |
| | Naphtha (petroleum), light alkylate | Skin irritation, rabbit | Moderately irritating (read-across) | | |
| | Isopropanol | Skin irritation, rabbit | Not irritating (0) | | |
| Serious eye damage/ irritation: | Direct eye contact may result in eye irrita | ation. | | | |
| | Substance | Test | Result | | |
| | Naphtha (petroleum), light alkylate | Eye irritation, rabbit | Mild irritation (read- across) | | |
| | Isopropanol | Eye irritation, rabbit | Moderately irritating | | |
| Respiratory or skin | | | | | |
| sensitisation: | Substance | Test | Result | | |
| | Naphtha (petroleum), light alkylate | Skin sensitization, guinea pig (OECD 406) | Not sensitizing | | |
| | Isopropanol | Skin sensitization, guinea pig (OECD 406) | Not sensitizing | | |
| Germ cell mutagenicity: | Isopropanol: based on available data, the classification criteria are not met. Naphtha (petroleum), light alkylate: expected to be non-mutagenic based on data from similar materials. | | | | |
| 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: | Isopropanol: based on available data, the classification criteria are not met. Naphtha (petroleum) light alkylate: not expected to cause toxicity, based on data from similar materials. | | | | |
| STOT-single exposure: | May cause drowsiness or dizziness. | | | | |
| STOT-repeated exposure: | Isopropanol: based on available data, the classification criteria are not met. Naphtha (petroleum), light alkylate: not expected to cause toxicity, based on data from similar materials. | | | | |
| Aspiration hazard: | Aspiration into the lungs may cause cher | nical pneumonitis or pulmonar | y oedema. | | |
| Other information: | 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

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Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Naphtha (petroleum), light alkylate: chronic NOEC, Daphnia magna = 0.17 mg/l (read-across).

12.2. Persistence and degradability

Naphtha (petroleum), light alkylate: expected to degrade rapidly in air; expected to be inherently biodegradable. This substance is expected to be removed in a wastewater treatment facility. Isopropanol: readily biodegradable.

12.3. Bioaccumulative potential

Isopropanol: low potential for bioaccumulation.

12.4. Mobility in soil

Liquid. Slightly soluble in water. The hazardous ingredients will rapidly evaporate to the air if released into the environment. Isopropanol: expected to have very high mobility in soils. In determining environmental mobility, consider the product's physical and chemical properties (see Section 9).

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 pressurized or sealed containers in an approved 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.

| | ng to 2008/36/EC. | | | | | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|
| SECTION 14: TRANSPORT INFORMATION | | | | | | | |
| 14.1. UN number | | | | | | | |
| ADR/RID/ADN/IM | DG/ICAO: UN1950 | | | | | | |
| TDG: | UN1950 | | | | | | |
| US DOT: | UN1950 | | | | | | |
| 14.2. UN proper shipping name | | | | | | | |
| ICAO: | Aerosols, Flammable | | | | | | |
| IMDG: | Aerosols | | | | | | |
| ADR/RID/ADN: | Aerosols, flammable | | | | | | |
| TDG: US DOT: | Aerosols, flammable Aerosols, flammable | | | | | | |
| 14.3. Transport hazard | | | | | | | |
| ADR/RID/ADN/IM | | | | | | | |
| TDG: | 2.1 | | | | | | |
| US DOT: | 2.1 | | | | | | |
| 14.4. Packing group | | | | | | | |
| ADR/RID/ADN/IM | DG/ICAO: NOT APPLICABLE | | | | | | |
| TDG: | NOT APPLICABLE | | | | | | |
| US DOT: | NOT APPLICABLE | | | | | | |
| 14.5. Environmental haz | | | | | | | |
| | NT - (NAPHTHA (PETROLEUM) LIGHT ALKYLATE) | | | | | | |
| 14.6. Special precaution | | | | | | | |
| | AUTIONS FOR USER | | | | | | |
| • | according to Annex II of MARPOL73/78 and the IBC Code | | | | | | |
| NOT APPLICABLE | | | | | | | |
| 14.8. Other information | pped as Limited Quantities when in a metal container of 1 L or less (49 CFR 173.306(3),(i)) and in a package having a | | | | | | |
| rated capacity gross weight of 30kg(66 lb.) or less (49 CFR 173.306(a)). Single or combination packagings containing a net quantity per single or inner packaging of 5 L or less for liquids or having a net mass of 5 kg or less for solids, are not subject to any other requirements of 49 CFR subchapter C. (49 CFR 171.4 (2) Marine pollutants). ERG NO. 126 IMDG: May be shipped as Limited Quantities when in a metal container of 1 L or less (IMO IMDG Special Provision 277) and in a package having a rated capacity gross weight of 30kg(66 lb.) or less (IMO IMDG 3.4.2.1). Marine Pollutants packaged in single or combination packagings containing a net quantity per single or inner packaging of 5 L or less for liquids or having a net mass of 5 kg or less for solids, are not subject to any other requirements of the IMDG code relevant to marine pollutants. EmS. F-D, S-U ADR: May be shipped as Limited Quantities when in a metal container of 1 L or less (ADR 3.4.1) and in a package having a rated capacity gross weight of 30kg(66 lb.) or less (ADR 3.4.2). Packages containing environmentally hazardous substances shall be marked with the environmentally hazardous substance mark with the exception of single and combination packagings where such single or inner packagings of such combination packagings | | | | | | | |
| have a net quantity of 5 L or less for liquids; or a net mass of 5 kg or less for solids(ADR 5.2.1.8.1). Classification code 5F, Tunnel restriction code (E) | | | | | | | |
| SECTION 15: REGULA | | | | | | | |
| - | 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. | | | | | | | |
| 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. | | | | | | |

| Other national re | gulations | s: National imp | lementation of the EC Directive referred to in section 15.1.1. | | | | |
|----------------------------------|----------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|--|--|--|--|
| 15.2. Chemical safety assessment | | | | | | | |
| | - | | arried out for this substance/mixture by the supplier. | | | | |
| SECTION 16: OTHER INFORMATION | | | | | | | |
| Abbreviations | | | ent concerning the International Carriage of Dangerous Goods by Inland Waterways | | | | |
| and acronyms: | ent concerning the International Carriage of Dangerous Goods by Road | | | | | | |
| - | | Acute Toxicity Estimate | | | | | |
| | BCF: Bio | ioconcentration Factor | | | | | |
| | | : Converted Acute Toxicity point Estimate | | | | | |
| | | : Classification Labelling Packaging Regulation (1272/2008/EC) Exposure Standard | | | | | |
| | | | | | | | |
| | | : Globally Harmonized System | | | | | |
| | | | Aviation Organization | | | | |
| | | | time Dangerous Goods | | | | |
| | | | on to 50 % of a test population | | | | |
| | | owest Observed | % of a test population | | | | |
| | - | Applicable | | | | | |
| | | Available | | | | | |
| | | | ect Concentration | | | | |
| | | to Observed Effe | | | | | |
| | | | Economic Co-operation and Development | | | | |
| | | | mulative and Toxic substance | | | | |
| | | | ucture-Activity Relationship | | | | |
| | | | aluation, Authorisation and Restriction of Chemicals Regulation (1907/2006/EC) | | | | |
| | REL: Re | commended Exp | posure Limit | | | | |
| | | | ning the International Carriage of Dangerous Goods by Rail | | | | |
| | | afety Data Sheet | | | | | |
| | | ure Limit | | | | | |
| | | | et Organ Toxicity, Repeated Exposure | | | | |
| | STOT SE: Specific Target Organ Toxicity, Single Exposure | | | | | | |
| | TDG: Transportation of Dangerous Goods (Canada) | | | | | | |
| | | WA: Time Weighted Average IS DOT: United States Department of Transportation | | | | | |
| | | | | | | | |
| | | orkplace Exposu | d very Bioaccumulative substance | | | | |
| | | | ardous Materials Information System | | | | |
| | | | acronyms can be looked up at www.wikipedia.org. | | | | |
| | | | | | | | |
| Key literature ref | | | es normes, de l'équité, de la santé et de la sécurité du travail (CNESST) | | | | |
| and sources for | data: | | sification and Information Database (CCID) | | | | |
| | | | micals Agency (ECHA) - Information on Chemicals | | | | |
| | | | ostances Information System (HSIS) | | | | |
| | | | te of Technology and Evaluation (NITE) nicals Agency (KEMI) | | | | |
| | | | ibrary of Medicine Toxicology Data Network (TOXNET) | | | | |
| Procedure used | to derive | | on for mixtures according to Regulation (EC) No 1272/2008 [CLP]: | | | | |
| Classification | | | Classification procedure | | | | |
| Aerosol 1, H222 | | | On basis of components | | | | |
| Skin Irrit. 2, H31 | | | Calculation method | | | | |
| STOT SE 3, H33 | | | Bridging principle "Dilution" | | | | |
| Aquatic Chronic | | | Calculation method | | | | |
| Relevant H-state | ments | H222 [.] Extremely | / flammable aerosol. | | | | |
| - Sievant 1-State | | • | mmable liquid and vapour. | | | | |
| | | | ed container: May burst if heated. | | | | |
| | | | tal if swallowed and enters airways. | | | | |
| | | H315: Causes s | | | | | |
| | | | erious eye irritation. | | | | |
| | | | e drowsiness or dizziness. | | | | |
| | | | iquatic life with long lasting effects. | | | | |
| Hazard nictoare | n namaa. | | | | | | |
| Hazard pictograr | n names: | rianie, yas cy | linder (non-CLP) health hazard (non-CLP) exclamation mark, environment. | | | | |

Changes to the SDS in this revision: Section 2.1.

Revision date: 24 September 2020

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.