

Safety Data Sheet

according to SOR/2015-17, Hazardous Products Regulations (HPR)
Issue date: 04/01/2025 Revision date: 04/10/2025 Supersedes: 04/01/2025 Version: 1.1

SECTION 1 Identification

1.1. GHS Product identifier

Product form : Mixture
Product name : 51073 - One Part Industrial Adhesive

1.2. Other means of identification

Other means of identification : NK

1.3. Recommended use of the chemical and restrictions on use

Use of the substance/mixture : Adhesives, binding agents
Recommended use : Adhesives, binding agents
Restrictions on use : Not determined

1.4. Supplier's details

Fenner Dunlop Conveyor Belting
654 Camp Joy Road
Building 2 Suite B
Bluefield, VA, 24705
T 276-322-1426
mark.myers@fennerdunlop.com

1.5. Emergency phone number

Emergency number : CHEMTREC, U.S. : 1-800-424-9300 International: +1-703-527-3877

SECTION 2 Hazard identification

2.1. Classification of the substance or mixture

Classification (GHS CA)

Flammable liquids, Category 2	H225	Highly flammable liquid and vapour
Skin corrosion/irritation, Category 2	H315	Causes skin irritation
Serious eye damage/eye irritation, Category 2	H319	Causes serious eye irritation
Germ cell mutagenicity, Category 1B	H340	May cause genetic defects.
Carcinogenicity, Category 1B	H350	May cause cancer.
Specific target organ toxicity – Single exposure, Category 3, Narcosis	H336	May cause drowsiness or dizziness

Full text of H-statements: see section 16

2.2. GHS label elements, including precautionary statements

GHS CA labelling

Hazard pictograms (GHS CA) : 

Signal word (GHS CA) : Danger

Hazard statements (GHS CA) : H225 - Highly flammable liquid and vapour
H315 - Causes skin irritation
H319 - Causes serious eye irritation
H336 - May cause drowsiness or dizziness

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Precautionary statements (GHS CA)

H340 - May cause genetic defects.
H350 - May cause cancer.

: 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.
P233 - Keep container tightly closed.
P240 - Ground and bond container and receiving equipment.
P241 - Use explosion-proof equipment.
P242 - Use non-sparking tools.
P243 - Take action to prevent static discharges.
P261 - Avoid breathing dust, fume, gas, mist, vapours, spray.
P264 - Wash hands, forearms and face thoroughly after handling.
P271 - Use only outdoors or in a well-ventilated area.
P280 - Wear protective gloves, protective clothing, eye protection, face protection, and hearing protection.
P302+P352 - IF ON SKIN: Wash with plenty of water.
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water .
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313 - IF exposed or concerned: Get medical advice or attention.
P312 - Call a POISON CENTER or a doctor if you feel unwell.
P321 - Specific treatment (see supplemental first aid instruction on this label).
P332+P313 - If skin irritation occurs: Get medical advice or attention.
P337+P313 - If eye irritation persists: Get medical advice or attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P370+P378 - In case of fire: Use appropriate media to extinguish.
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
P403+P235 - Store in a well-ventilated place. Keep cool.
P405 - Store locked up.
P501 - Dispose of contents and/or container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulations.

2.3. Other hazards which do not result in classification

No additional information available

SECTION 3 Composition/information on ingredients

3.1. Substances

Not applicable

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3.2. Mixtures

Name	Chemical name / Synonyms	Product identifier	wt%	Classification (GHS CA)
Naphtha, petroleum, hydrotreated light	Naphtha (petroleum), hydrotreated light / Naphtha, petroleum, hydrotreated light (A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C4-11 and boiling in the range of approximately minus 20-190°C.)	CAS-No.: 64742-49-0	80 – 100	Muta. 1B, H340 Carc. 1B, H350 Asp. Tox. 1, H304
n-Heptane	Heptane (n-) / Heptane / Normal heptane / Heptane, n- / HEPTANE	CAS-No.: 142-82-5	30 – 60	Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304
3-Methylhexane	Hexane, 3-methyl- / Methylhexane, 3- / 3-methylhexane	CAS-No.: 589-34-4	15 – 40	Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304
Methylcyclohexane	Cyclohexane, methyl- / Cyclohexylmethane / Methyl cyclohexane	CAS-No.: 108-87-2	10 – 30	Flam. Liq. 2, H225 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Eye Irrit. 2, H319 STOT SE 3, H336 Asp. Tox. 1, H304
2-Methylhexane	Hexane, 2-methyl- / Methylhexane, 2- / 2-methylhexane / Isoheptane	CAS-No.: 591-76-4	10 – 30	Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304
3-Ethylpentane	Pentane, 3-ethyl-	CAS-No.: 617-78-7	1 – 5	Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304

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Name	Chemical name / Synonyms	Product identifier	wt%	Classification (GHS CA)
2,3-Dimethylpentane	Pentane, 2,3-dimethyl- / Dimethylpentane, 2,3- / 2,3-Dimethyl-pentane / 2,3-dimethylpentane	CAS-No.: 565-59-3	1 – 5	Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304
Sulfur	Sulphur / Sulphur, molten / Elemental sulfur / Brimstone / SULFUR / Elemental sulphur / Sulfur, elemental / sulfur	CAS-No.: 7704-34-9	0.1 – 1	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Eye Irrit. 2A, H319 Comb. Dust
Isopropyl alcohol	2-Hydroxypropane / 2-Propyl alcohol / 2-Propanol / Isopropanol / Propan-2-ol / ISOPROPYL ALCOHOL / Propanol, 2- / Isopropylic alcohol	CAS-No.: 67-63-0	0.1 – 1	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336

SECTION 4 First-aid measures

4.1. Description of necessary first-aid measures

First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Rinse skin with water/shower. Take off immediately all contaminated clothing. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell.
First-aid measures general	: IF exposed or concerned: Get medical advice/attention.

4.2. Most important symptoms/effects, acute and delayed

Symptoms/effects	: May cause drowsiness or dizziness.
Symptoms/effects after inhalation	: None under normal conditions.
Symptoms/effects after skin contact	: Irritation.
Symptoms/effects after eye contact	: Eye irritation.
Symptoms/effects after ingestion	: None under normal conditions.

4.3. Indication of immediate medical attention and special treatment needed, if necessary

Other medical advice or treatment	: Treat symptomatically.
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SECTION 5 Fire-fighting measures

5.1. Suitable extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Specific hazards arising from the chemical

Fire hazard : Highly flammable liquid and vapour.
Explosion hazard : No direct explosion hazard.
Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Special protective actions for fire-fighters

Firefighting instructions : Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.
Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6 Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage.
Environmental precautions : Avoid release to the environment. Notify authorities if product enters sewers or public waters.

6.2. Methods and materials for containment and cleaning up

For containment : Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak without risks if possible.
Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.
Other information : Dispose of materials or solid residues at an authorized site.

For further information refer to section 13

SECTION 7 Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapours may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Take all necessary technical measures to avoid or minimize the release of the product on the workplace. Limit quantities of product at the minimum necessary for handling and limit the number of exposed workers. Provide local exhaust or general room ventilation. Floors, walls and other surfaces in the hazard area must be cleaned regularly. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes.
Hygiene measures : Separate working clothes from town clothes. Launder separately. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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Additional hazards when processed : Not expected to present a significant hazard under anticipated conditions of normal use.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Ground/bond container and receiving equipment.
Storage conditions : Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.

SECTION 8 Exposure controls/personal protection

8.1. Control parameters

Naphtha, petroleum, hydrotreated light (64742-49-0)	
Canada (Manitoba) - Occupational Exposure Limits	
OEL TWA	100 ppm (Hexane (Commercial, <54% n-Hexane))
Canada (Newfoundland and Labrador) - Occupational Exposure Limits	
OEL TWA	100 ppm (Hexane (Commercial, <54% n-Hexane))
Canada (Nova Scotia) - Occupational Exposure Limits	
OEL TWA	100 ppm (Hexane Commercial, <54% n-Hexane)
Canada (Prince Edward Island) - Occupational Exposure Limits	
OEL TWA	100 ppm (Hexane (Commercial, <54% n-Hexane))
USA - ACGIH - Occupational Exposure Limits	
ACGIH OEL TWA	100 ppm (Hexane (Commercial, <54% n-Hexane))
ACGIH chemical category	Confirmed Animal Carcinogen with Unknown Relevance to Humans, Skin - potential significant contribution to overall exposure by the cutaneous route
n-Heptane (142-82-5)	
Canada (Alberta) - Occupational Exposure Limits	
OEL TWA	1640 mg/m ³
	400 ppm
OEL STEL	2050 mg/m ³
	500 ppm
Canada (Quebec) - Occupational Exposure Limits	
VECD (OEL STEV)	500 ppm (Heptane (all isomers))
VEMP (OEL TWA EV)	400 ppm (Heptane (all isomers))
Canada (British Columbia) - Occupational Exposure Limits	
OEL TWA	400 ppm (Heptane, isomers)
OEL STEL	500 ppm (Heptane, isomers)
Canada (Manitoba) - Occupational Exposure Limits	
OEL TWA	400 ppm (Heptane, all isomers)
OEL STEL	500 ppm (Heptane, all isomers)
Canada (New Brunswick) - Occupational Exposure Limits	
OEL TWA	400 ppm (Heptane, all isomers)
OEL STEL	500 ppm (Heptane, all isomers)

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n-Heptane (142-82-5)	
Canada (Newfoundland and Labrador) - Occupational Exposure Limits	
OEL TWA	400 ppm (Heptane, all isomers)
OEL STEL	500 ppm (Heptane, all isomers)
Canada (Nova Scotia) - Occupational Exposure Limits	
OEL TWA	400 ppm (Heptane, all isomers)
OEL STEL	500 ppm (Heptane, all isomers)
Canada (Nunavut) - Occupational Exposure Limits	
OEL TWA	400 ppm
OEL STEL	500 ppm
Canada (Northwest Territories) - Occupational Exposure Limits	
OEL TWA	400 ppm
OEL STEL	500 ppm
Canada (Ontario) - Occupational Exposure Limits	
OEL TWAEV	400 ppm
	500 ppm (Heptane, all isomers)
Canada (Prince Edward Island) - Occupational Exposure Limits	
OEL TWA	400 ppm (Heptane, all isomers)
OEL STEL	500 ppm (Heptane, all isomers)
Canada (Saskatchewan) - Occupational Exposure Limits	
OEL TWA	400 ppm
OEL STEL	500 ppm
Canada (Yukon) - Occupational Exposure Limits	
OEL TWA	1600 mg/m ³
	400 ppm
OEL STEL	2000 mg/m ³
	500 ppm
USA - ACGIH - Occupational Exposure Limits	
ACGIH OEL TWA	400 ppm (Heptane, all isomers)
ACGIH OEL STEL	500 ppm (Heptane, all isomers)
3-Methylhexane (589-34-4)	
Canada (Alberta) - Occupational Exposure Limits	
OEL TWA	1640 mg/m ³ (Heptane, all isomers)
	400 ppm (Heptane, all isomers)
OEL STEL	2050 mg/m ³ (Heptane, all isomers)
	500 ppm (Heptane, all isomers)
Canada (Quebec) - Occupational Exposure Limits	
VECD (OEL STEV)	500 ppm (Heptane (all isomers))

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3-Methylhexane (589-34-4)	
VEMP (OEL TWAEV)	400 ppm (Heptane (all isomers))
Canada (British Columbia) - Occupational Exposure Limits	
OEL TWA	400 ppm (Heptane, isomers)
OEL STEL	500 ppm (Heptane, isomers)
Canada (Manitoba) - Occupational Exposure Limits	
OEL TWA	400 ppm (Heptane, all isomers)
OEL STEL	500 ppm (Heptane, all isomers)
Canada (New Brunswick) - Occupational Exposure Limits	
OEL TWA	400 ppm (Heptane, all isomers)
OEL STEL	500 ppm (Heptane, all isomers)
Canada (Newfoundland and Labrador) - Occupational Exposure Limits	
OEL TWA	400 ppm (Heptane, all isomers)
OEL STEL	500 ppm (Heptane, all isomers)
Canada (Nova Scotia) - Occupational Exposure Limits	
OEL TWA	400 ppm (Heptane, all isomers)
OEL STEL	500 ppm (Heptane, all isomers)
Canada (Ontario) - Occupational Exposure Limits	
OEL TWAEV	400 ppm (Heptane, all isomers)
	500 ppm (Heptane, all isomers)
Canada (Prince Edward Island) - Occupational Exposure Limits	
OEL TWA	400 ppm (Heptane, all isomers)
OEL STEL	500 ppm (Heptane, all isomers)
USA - ACGIH - Occupational Exposure Limits	
ACGIH OEL TWA	400 ppm (Heptane, all isomers)
ACGIH OEL STEL	500 ppm (Heptane, all isomers)
Methylcyclohexane (108-87-2)	
Canada (Alberta) - Occupational Exposure Limits	
OEL TWA	1610 mg/m ³
	400 ppm
Canada (Quebec) - Occupational Exposure Limits	
VEMP (OEL TWAEV)	1610 mg/m ³
	400 ppm
Canada (British Columbia) - Occupational Exposure Limits	
OEL TWA	400 ppm
Canada (Manitoba) - Occupational Exposure Limits	
OEL TWA	100 ppm

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Methylcyclohexane (108-87-2)	
Canada (New Brunswick) - Occupational Exposure Limits	
OEL TWA	400 ppm
Canada (Newfoundland and Labrador) - Occupational Exposure Limits	
OEL TWA	100 ppm
Canada (Nova Scotia) - Occupational Exposure Limits	
OEL TWA	100 ppm
Canada (Nunavut) - Occupational Exposure Limits	
OEL TWA	400 ppm
OEL STEL	500 ppm
Canada (Northwest Territories) - Occupational Exposure Limits	
OEL TWA	400 ppm
OEL STEL	500 ppm
Canada (Ontario) - Occupational Exposure Limits	
OEL TWAEV	400 ppm
Canada (Prince Edward Island) - Occupational Exposure Limits	
OEL TWA	100 ppm
Canada (Saskatchewan) - Occupational Exposure Limits	
OEL TWA	400 ppm
OEL STEL	500 ppm
Canada (Yukon) - Occupational Exposure Limits	
OEL TWA	1600 mg/m ³
	400 ppm
OEL STEL	2000 mg/m ³
	500 ppm
USA - ACGIH - Occupational Exposure Limits	
ACGIH OEL TWA	100 ppm
2-Methylhexane (591-76-4)	
Canada (Alberta) - Occupational Exposure Limits	
OEL TWA	1640 mg/m ³ (Heptane, all isomers)
	400 ppm (Heptane, all isomers)
OEL STEL	2050 mg/m ³ (Heptane, all isomers)
	500 ppm (Heptane, all isomers)
Canada (Quebec) - Occupational Exposure Limits	
VECD (OEL STEV)	500 ppm (Heptane (all isomers))
VEMP (OEL TWAEV)	400 ppm (Heptane (all isomers))
Canada (British Columbia) - Occupational Exposure Limits	
OEL TWA	400 ppm (Heptane, isomers)

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2-Methylhexane (591-76-4)	
OEL STEL	500 ppm (Heptane, isomers)
Canada (Manitoba) - Occupational Exposure Limits	
OEL TWA	400 ppm (Heptane, all isomers)
OEL STEL	500 ppm (Heptane, all isomers)
Canada (New Brunswick) - Occupational Exposure Limits	
OEL TWA	400 ppm (Heptane, all isomers)
OEL STEL	500 ppm (Heptane, all isomers)
Canada (Newfoundland and Labrador) - Occupational Exposure Limits	
OEL TWA	400 ppm (Heptane, all isomers)
OEL STEL	500 ppm (Heptane, all isomers)
Canada (Nova Scotia) - Occupational Exposure Limits	
OEL TWA	400 ppm (Heptane, all isomers)
OEL STEL	500 ppm (Heptane, all isomers)
Canada (Ontario) - Occupational Exposure Limits	
OEL TWAEV	400 ppm (Heptane, all isomers)
	500 ppm (Heptane, all isomers)
Canada (Prince Edward Island) - Occupational Exposure Limits	
OEL TWA	400 ppm (Heptane, all isomers)
OEL STEL	500 ppm (Heptane, all isomers)
USA - ACGIH - Occupational Exposure Limits	
ACGIH OEL TWA	400 ppm (Heptane, all isomers)
ACGIH OEL STEL	500 ppm (Heptane, all isomers)
2,3-Dimethylpentane (565-59-3)	
Canada (Alberta) - Occupational Exposure Limits	
OEL TWA	1640 mg/m ³ (Heptane, all isomers)
	400 ppm (Heptane, all isomers)
OEL STEL	2050 mg/m ³ (Heptane, all isomers)
	500 ppm (Heptane, all isomers)
Canada (Quebec) - Occupational Exposure Limits	
VECD (OEL STEV)	500 ppm (Heptane (all isomers))
VEMP (OEL TWAEV)	400 ppm (Heptane (all isomers))
Canada (British Columbia) - Occupational Exposure Limits	
OEL TWA	400 ppm (Heptane, isomers)
OEL STEL	500 ppm (Heptane, isomers)
Canada (Manitoba) - Occupational Exposure Limits	
OEL TWA	400 ppm (Heptane, all isomers)
OEL STEL	500 ppm (Heptane, all isomers)

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2,3-Dimethylpentane (565-59-3)	
Canada (New Brunswick) - Occupational Exposure Limits	
OEL TWA	400 ppm (Heptane, all isomers)
OEL STEL	500 ppm (Heptane, all isomers)
Canada (Newfoundland and Labrador) - Occupational Exposure Limits	
OEL TWA	400 ppm (Heptane, all isomers)
OEL STEL	500 ppm (Heptane, all isomers)
Canada (Nova Scotia) - Occupational Exposure Limits	
OEL TWA	400 ppm (Heptane, all isomers)
OEL STEL	500 ppm (Heptane, all isomers)
Canada (Ontario) - Occupational Exposure Limits	
OEL TWA EV	400 ppm (Heptane, all isomers)
	500 ppm (Heptane, all isomers)
Canada (Prince Edward Island) - Occupational Exposure Limits	
OEL TWA	400 ppm (Heptane, all isomers)
OEL STEL	500 ppm (Heptane, all isomers)
USA - ACGIH - Occupational Exposure Limits	
ACGIH OEL TWA	400 ppm (Heptane, all isomers)
ACGIH OEL STEL	500 ppm (Heptane, all isomers)
Sulfur (7704-34-9)	
Canada (Alberta) - Occupational Exposure Limits	
OEL TWA	10 mg/m ³
Isopropyl alcohol (67-63-0)	
Canada (Alberta) - Occupational Exposure Limits	
OEL TWA	492 mg/m ³
	200 ppm
OEL STEL	984 mg/m ³
	400 ppm
Canada (Quebec) - Occupational Exposure Limits	
VECD (OEL STEV)	400 ppm
VEMP (OEL TWA EV)	200 ppm
Canada (British Columbia) - Occupational Exposure Limits	
OEL TWA	200 ppm
OEL STEL	400 ppm
Canada (Manitoba) - Occupational Exposure Limits	
OEL TWA	200 ppm
OEL STEL	400 ppm

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Isopropyl alcohol (67-63-0)	
Canada (New Brunswick) - Occupational Exposure Limits	
OEL TWA	200 ppm
OEL STEL	400 ppm
Canada (Newfoundland and Labrador) - Occupational Exposure Limits	
OEL TWA	200 ppm
OEL STEL	400 ppm
Canada (Nova Scotia) - Occupational Exposure Limits	
OEL TWA	200 ppm
OEL STEL	400 ppm
Canada (Nunavut) - Occupational Exposure Limits	
OEL TWA	200 ppm
OEL STEL	400 ppm
Canada (Northwest Territories) - Occupational Exposure Limits	
OEL TWA	200 ppm
OEL STEL	400 ppm
Canada (Ontario) - Occupational Exposure Limits	
OEL TWAEV	200 ppm
	400 ppm
Canada (Prince Edward Island) - Occupational Exposure Limits	
OEL TWA	200 ppm
OEL STEL	400 ppm
Canada (Saskatchewan) - Occupational Exposure Limits	
OEL TWA	200 ppm
OEL STEL	400 ppm
Canada (Yukon) - Occupational Exposure Limits	
OEL TWA	980 mg/m ³
	400 ppm
OEL STEL	1225 mg/m ³
	500 ppm
USA - ACGIH - Occupational Exposure Limits	
ACGIH OEL TWA	200 ppm
ACGIH OEL STEL	400 ppm
ACGIH chemical category	Not Classifiable as a Human Carcinogen
USA - ACGIH - Biological Exposure Indices	
BEI	40 mg/l Parameter: Acetone - Medium: urine - Sampling time: end of shift at end of workweek (background, nonspecific)

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8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.
Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures, such as personal protective equipment (PPE)

Personal protective equipment:

Wear recommended personal protective equipment.

Hand protection:

Protective gloves against chemicals (EN 374). Nitrile rubber gloves

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

[In case of inadequate ventilation] wear respiratory protection.

Personal protective equipment symbol(s):



SECTION 9 Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state	: Liquid
Appearance	: Viscous.
Colour	: Black
Odour	: Solvent
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: 4.2
Relative evaporation rate (ether=1)	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: 93.3 °C (200 F)
Flash point	: -9.4 °C (15 F)
Auto-ignition temperature	: 203.8 °C (398.8 F)
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: 5.3 kPa
Relative vapour density at 20°C	: No data available
Relative density	: 0.73
Solubility	: Insoluble in water.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: No data available

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Explosive limits	: Lower explosion limit: 1 vol % Upper explosion limit: 6.7 vol %
Particle characteristics	: No data available

9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available

SECTION 10 Stability and reactivity

Reactivity	: Highly flammable liquid and vapour.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No dangerous reactions known under normal conditions of use.
Conditions to avoid	: Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.
Incompatible materials	: Acids. Strong oxidizing agents.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Hardening time:	: No additional information available

SECTION 11 Toxicological information

11.1. Likely routes of exposure

Acute toxicity (oral)	: Not classified.
Acute toxicity (dermal)	: Not classified.
Acute toxicity (inhalation)	: Not classified.

Naphtha, petroleum, hydrotreated light (64742-49-0)	
LD50 oral rat	> 5000 mg/kg (Source: IUCLID)
LD50 dermal rabbit	> 3160 mg/kg (Source: IUCLID)
LC50 Inhalation - Rat [ppm]	73680 ppm/4h

n-Heptane (142-82-5)	
LD50 dermal rabbit	3000 mg/kg (Source: IUCLID)
LC50 Inhalation - Rat	> 29.29 mg/l/4h
ATE CA (Dermal)	3000 mg/kg bodyweight
ATE CA (vapours)	103 mg/l/4h
ATE CA (dust,mist)	103 mg/l/4h

Methylcyclohexane (108-87-2)	
LD50 oral rat	> 3200 mg/kg (Source: NLM_CIP)
LD50 dermal rabbit	> 86700 mg/kg (Source: JAPAN_GHS)

Sulfur (7704-34-9)	
LD50 oral rat	> 2000 mg/kg (Source: ECHA)
LD50 dermal rat	> 2000 mg/kg (Source: ECHA)
LC50 Inhalation - Rat	> 5.43 mg/l/4h

Isopropyl alcohol (67-63-0)	
LD50 oral rat	4710 - 5840 mg/kg (Source: OECD_SIDS)

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Isopropyl alcohol (67-63-0)	
LD50 dermal rabbit	4059 mg/kg (Source: JAPAN_GHS)
LC50 Inhalation - Rat [ppm]	> 10000 ppm (Exposure time: 6 h Source: ECHA_API)
Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitization	: Not classified.
Germ cell mutagenicity	: May cause genetic defects.
Carcinogenicity	: May cause cancer.
Isopropyl alcohol (67-63-0)	
IARC group	3 - Not classifiable
Reproductive toxicity	: Not classified.
STOT-single exposure	: May cause drowsiness or dizziness.
n-Heptane (142-82-5)	
STOT-single exposure	May cause drowsiness or dizziness.
3-Methylhexane (589-34-4)	
STOT-single exposure	May cause drowsiness or dizziness.
Methylcyclohexane (108-87-2)	
STOT-single exposure	May cause drowsiness or dizziness.
2-Methylhexane (591-76-4)	
STOT-single exposure	May cause drowsiness or dizziness.
3-Ethylpentane (617-78-7)	
STOT-single exposure	May cause drowsiness or dizziness.
2,3-Dimethylpentane (565-59-3)	
STOT-single exposure	May cause drowsiness or dizziness.
Isopropyl alcohol (67-63-0)	
STOT-single exposure	May cause drowsiness or dizziness.
STOT-repeated exposure	: Not classified.
Aspiration hazard	: Not classified.
Symptoms/effects	: May cause drowsiness or dizziness.
Symptoms/effects after inhalation	: None under normal conditions.
Symptoms/effects after skin contact	: Irritation.
Symptoms/effects after eye contact	: Eye irritation.
Symptoms/effects after ingestion	: None under normal conditions.

SECTION 12 Ecological information

12.1. Toxicity

Ecology - general	: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Hazardous to the aquatic environment, short-term (acute)	: Not classified.
Hazardous to the aquatic environment, long-term (chronic)	: Not classified.

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Naphtha, petroleum, hydrotreated light (64742-49-0)	
LC50 - Fish [1]	8.41 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [semi-static, closed] Source: ECHA)
n-Heptane (142-82-5)	
LC50 - Fish [1]	375.0 mg/l (Exposure time: 96 h - Species: Cichlid fish)
Methylcyclohexane (108-87-2)	
LC50 - Fish [1]	2.07 mg/l (Exposure time: 96 h - Species: Oryzias latipes [semi-static] Source: ECHA)
Sulfur (7704-34-9)	
LC50 - Fish [1]	866 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [static] Source: IUCLID)
LC50 - Fish [2]	< 14 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static] Source: EPA)
Isopropyl alcohol (67-63-0)	
LC50 - Fish [1]	9640 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through] Source: IUCLID)
LC50 - Fish [2]	11130 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static] Source: IUCLID)
EC50 - Crustacea [1]	13299 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 72h - Algae [1]	> 1000 mg/l (Species: Desmodesmus subspicatus)
EC50 96h - Algae [1]	> 1000 mg/l (Species: Desmodesmus subspicatus)

12.2. Persistence and degradability

51073 - One Part Industrial Adhesive	
Persistence and degradability	Not rapidly degradable
Naphtha, petroleum, hydrotreated light (64742-49-0)	
Persistence and degradability	Not rapidly degradable
n-Heptane (142-82-5)	
Persistence and degradability	Not rapidly degradable
3-Methylhexane (589-34-4)	
Persistence and degradability	Not rapidly degradable
Methylcyclohexane (108-87-2)	
Persistence and degradability	Not rapidly degradable
2-Methylhexane (591-76-4)	
Persistence and degradability	Not rapidly degradable
3-Ethylpentane (617-78-7)	
Persistence and degradability	Not rapidly degradable
2,3-Dimethylpentane (565-59-3)	
Persistence and degradability	Not rapidly degradable
Sulfur (7704-34-9)	
Persistence and degradability	Not rapidly degradable

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Isopropyl alcohol (67-63-0)

Persistence and degradability	Not rapidly degradable
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12.3. Bioaccumulative potential

n-Heptane (142-82-5)

Partition coefficient n-octanol/water (Log Pow)	4.66
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Isopropyl alcohol (67-63-0)

Partition coefficient n-octanol/water (Log Pow)	0.05 (at 25 °C)
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12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Ozone : Not classified.

Fluorinated greenhouse gases : No

SECTION 13 Disposal considerations

Regional waste regulation	: Disposal must be done according to official regulations.
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations	: Disposal must be done according to official regulations.
Product/Packaging disposal recommendations	: Disposal must be done according to official regulations.
Additional information	: Flammable vapours may accumulate in the container. Do not re-use empty containers.

SECTION 14 Transport information

In accordance with TDG / IMDG / IATA

14.1. UN Number

UN-No. (TDG)	: UN1133
UN-No. (IMDG)	: 1133
UN-No. (IATA)	: 1133

14.2. UN Proper Shipping Name

Proper Shipping Name (TDG)	: ADHESIVES
Proper Shipping Name (IMDG)	: ADHESIVES
Proper Shipping Name (IATA)	: Adhesives

14.3. Transport hazard class(es)

TDG

Transport hazard class(es) (TDG)	: 3
Hazard labels (TDG)	: 3
	:



IMDG

Transport hazard class(es) (IMDG)	: 3
Danger labels (IMDG)	: 3

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according to SOR/2015-17, Hazardous Products Regulations (HPR)



IATA

Transport hazard class(es) (IATA) : 3
Danger labels (IATA) : 3



14.4. Packing group, if applicable

Packing group (TDG) : II
Packing group (IMDG) : II
Packing group (IATA) : II

14.5. Environmental hazards

Dangerous for the environment : No
Other information : No supplementary information available.

14.6. Special precautions for user

TDG

UN-No. (TDG) : UN1133
Explosive Limit and Limited Quantity Index : 5 L
Excepted quantities (TDG) : E2
Passenger Carrying Road Vehicle or Passenger Carrying Railway Vehicle Index : 5 L
Emergency Response Guide (ERG) Number : 128

IMDG

Limited quantities (IMDG) : 5 L
Excepted quantities (IMDG) : E2
Packing instructions (IMDG) : P001
Special packing provisions (IMDG) : PP1
IBC packing instructions (IMDG) : IBC02
Tank instructions (IMDG) : T4
Tank special provisions (IMDG) : TP1, TP8
EmS-No. (Fire) : F-E - FIRE SCHEDULE Echo - NON-WATER-REACTIVE FLAMMABLE LIQUIDS
EmS-No. (Spillage) : S-D - SPILLAGE SCHEDULE Delta - FLAMMABLE LIQUIDS
Stowage category (IMDG) : B
Properties and observations (IMDG) : Adhesives are solutions of gums, resins, etc., usually volatile due to the solvents. Miscibility with water depends upon their composition.

IATA

PCA Excepted quantities (IATA) : E2
PCA Limited quantities (IATA) : Y341
PCA limited quantity max net quantity (IATA) : 1L
PCA packing instructions (IATA) : 353
PCA max net quantity (IATA) : 5L
CAO packing instructions (IATA) : 364
CAO max net quantity (IATA) : 60L
Special provisions (IATA) : A3
ERG code (IATA) : 3L

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14.7. Transport in bulk according to Annex II of MARPOL 73/78⁹ and the IBC Code¹⁰

Not applicable

SECTION 15 Regulatory information

Naphtha, petroleum, hydrotreated light (64742-49-0)

Listed on the Canadian DSL (Domestic Substances List)

n-Heptane (142-82-5)

Listed on the Canadian DSL (Domestic Substances List)

3-Methylhexane (589-34-4)

Listed on the Canadian NDSL (Non-Domestic Substances List)

Methylcyclohexane (108-87-2)

Listed on the Canadian DSL (Domestic Substances List)

2-Methylhexane (591-76-4)

Listed on the Canadian DSL (Domestic Substances List)

2,3-Dimethylpentane (565-59-3)

Listed on the Canadian NDSL (Non-Domestic Substances List)

Carbon black (1333-86-4)

Listed on the Canadian DSL (Domestic Substances List)

Sulfur (7704-34-9)

Listed on the Canadian DSL (Domestic Substances List)

Zinc oxide (ZnO) (1314-13-2)

Listed on the Canadian DSL (Domestic Substances List)

Isopropyl alcohol (67-63-0)

Listed on the Canadian DSL (Domestic Substances List)

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Naphtha, petroleum, hydrotreated light (64742-49-0)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on KECL/KECI (Korean Existing Chemicals Inventory)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on INSQ (Mexican National Inventory of Chemical Substances)

n-Heptane (142-82-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on KECL/KECI (Korean Existing Chemicals Inventory)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Japanese Pollutant Release and Transfer Register Law (PRTR Law)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on the Japanese ISHL (Industrial Safety and Health Law)
Listed on INSQ (Mexican National Inventory of Chemical Substances)

3-Methylhexane (589-34-4)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on KECL/KECI (Korean Existing Chemicals Inventory)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on the Japanese ISHL (Industrial Safety and Health Law)
Listed on INSQ (Mexican National Inventory of Chemical Substances)

Methylcyclohexane (108-87-2)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on KECL/KECI (Korean Existing Chemicals Inventory)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on the Japanese ISHL (Industrial Safety and Health Law)
Listed on INSQ (Mexican National Inventory of Chemical Substances)

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2-Methylhexane (591-76-4)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on KECL/KECI (Korean Existing Chemicals Inventory)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on the Japanese ISHL (Industrial Safety and Health Law)
Listed on INSQ (Mexican National Inventory of Chemical Substances)

3-Ethylpentane (617-78-7)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on KECL/KECI (Korean Existing Chemicals Inventory)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on the Japanese ISHL (Industrial Safety and Health Law)

2,3-Dimethylpentane (565-59-3)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on KECL/KECI (Korean Existing Chemicals Inventory)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on the Japanese ISHL (Industrial Safety and Health Law)
Listed on INSQ (Mexican National Inventory of Chemical Substances)

Carbon black (1333-86-4)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on KECL/KECI (Korean Existing Chemicals Inventory)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on INSQ (Mexican National Inventory of Chemical Substances)

Sulfur (7704-34-9)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on KECL/KECI (Korean Existing Chemicals Inventory)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on INSQ (Mexican National Inventory of Chemical Substances)

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Zinc oxide (ZnO) (1314-13-2)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on KECL/KECI (Korean Existing Chemicals Inventory)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on the Japanese ISHL (Industrial Safety and Health Law)
Listed on INSQ (Mexican National Inventory of Chemical Substances)

Isopropyl alcohol (67-63-0)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on KECL/KECI (Korean Existing Chemicals Inventory)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on the Japanese ISHL (Industrial Safety and Health Law)
Listed on INSQ (Mexican National Inventory of Chemical Substances)

SECTION 16 Other Information

Issue date : 04/01/2025
Revision date : 04/10/2025
Supersedes : 04/01/2025

Full text of hazard classes and H-statements:

H225	Highly flammable liquid and vapour
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H319	Causes serious eye irritation
H336	May cause drowsiness or dizziness
H340	May cause genetic defects.
H350	May cause cancer.

Safety Data Sheet (SDS), Canada

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