SAFETY DATA SHEET (SDS)

Section 1. Identification

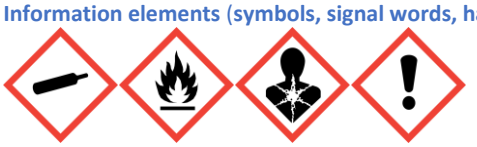
Product identifier	114412 - 114414
Other means of identification	Canac Min Exp Straw Grade
Recommended use and restrictions on use	Sealer
Initial supplier identifier	Adfast
	2685 Diab, Ville Saint-Laurent Quebec H4S 1E7 Canada
	servicemtl@adfastcorp.com
	www.Adfastcorp.com
	T: 514-337-7534
Emergency telephone number/restriction on use	Canada – CANUTEC 24 hour number 613-996-6666

Section 2. Hazard identification

Classification of hazardous product (name of the category or subcategory of the hazard class)

Extremely flammable aerosol (Category 1)
Gas under pressure (compressed gas)
Acute toxicity - oral (Category 4)
Acute toxicity dermal (Category 4)
Acute toxicity inhalation (Category 4)
Specific target organ toxicity – single exposure (Category 3), Central nervous system
Skin sensitization (category 1)
Skin irritation (Category 2)
Eye irritation (Category 2A)
Respiratory sensitization (category 1)
Carcinogenicity (Category 2)
Specific target organ toxicity - repeated exposure (Category 2)

Information elements (symbols, signal words, hazard statements and precautionary statements of the category/subcategory)



Danger
H222 Extremely flammable aerosol.
H229 Pressurized container: may burst if heated.
H280 Contains gas under pressure; may explode if heated.
H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H351 Suspected of causing cancer.
H373 May cause damage to organs through prolonged or repeated exposure.
*** May displace oxygen and cause rapid suffocation.
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 dust/fume/gas/mist/vapours/spray.
P264 Wash hands/nails/face 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 should not be allowed out of the workplace.
P280 Wear gloves/protective clothing/eye protection/face protection.
P284 Wear respiratory protection.
P302 + P352 IF ON SKIN, Wash with plenty of water for several minutes.
P333 + P313 IF SKIN irritation or rash occurs: Get medical attention.
P362 + P364 Take off contaminated clothing and wash it before reuse.
P305 + P351 + P338 IF IN EYES, Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 If eye irritation persists: Get medical attention.
P314 Get medical attention if you feel unwell.
P308 + P313 IF exposed or concerned: Get medical attention.
P301 + P312 IF SWALLOWED: Call a doctor if you feel unwell.
P330 Rinse mouth.
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312 Call a doctor if you feel unwell.
P342 + P311 If experiencing respiratory symptoms: Call a doctor.
P410+P412+P403+P233 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Store in a well-ventilated area. Keep container tightly closed.
P405 Store locked up.
P501 Dispose of contents/container into safe container in accordance with local, regional or national regulations.

Other hazards known None

Section 3. Composition/information on ingredients

Chemical name (common name/synonyms)	CAS number or other	Concentration (%)
Isocyanic acid, polymethylenepolyphenylene ester	9016-87-9	> 25
2-Propanol, 1-chloro-, phosphate (3:1)	13674-84-5	25-30
Isobutane	75-28-5	< 10
Propane	74-98-6	< 5
2,2'-Dimorpholinyldiethyl ether	6425-39-4	< 1
Castor oil	8001-79-4	10-15
Copolymer	---	< 5
Dimethyl ether	115-10-5	10-15

Section 4. First-aid measures

Inhalation IF INHALED: Remove person to fresh air and keep comfortable for breathing. Get medical attention if you feel unwell. IF exposed or concerned: Call a doctor.

Ingestion IF SWALLOWED: Immediately call a doctor. DO NOT INDUCE VOMITING. NEVER give anything by mouth if victim is rapidly losing consciousness, or is unconscious or convulsing. Rinse mouth thoroughly with water. Have victim drink two glasses of water. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration.

Skin contact IF ON SKIN, Wash with plenty of water for several minutes. (15-20) IF SKIN irritation or rash occurs: Get medical attention.

Eye contact IF IN EYES, Rinse cautiously with water for several minutes (15-20). Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

Most important symptoms and effects (acute or delayed) Causes serious eye irritation. Causes skin irritation.

Indication of immediate medical attention/special treatment In all cases, call a doctor. Do not forget this document.

Section 5. Fire-fighting measures

Specific hazards of the hazardous product (hazardous combustion products)
Carbon oxides and other irritant/toxic gases and fumes.

Suitable and unsuitable extinguishing media
In case of fire: Use carbon dioxide, chemical powder agent and appropriate foam to extinguish.

Special protective equipment and precautions for fire-fighters

During a fire, irritating/toxic smoke and fumes may be generated. Do not enter fire area without proper protection. Firefighters should wear proper protective equipment and self-contained breathing apparatus with full facepiece. Shield personnel to protect from venting, rupturing or bursting cans. Move containers from fire area if it can be done without risk. Water spray may be useful in cooling equipment and cans exposed to heat and flame.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Restrict access to area until completion of clean-up. Ensure clean-up is conducted by trained personnel only. All persons dealing with clean-up should wear the appropriate protective equipment (See Section 8).

Methods and materials for containment and cleaning up

Ventilate area of release. Stop the leak if it can be done safely. Contain and absorb any spilled liquid concentrate with inert absorbent material, then place material into a container for later disposal (see Section 13). Contaminated absorbent material may pose the same hazards as the spilled product. Notify the appropriate authorities as required.

Section 7. Handling and storage

Precautions for safe handling

Wear gloves/protective clothing/eye protection/face protection.

Before handling, it is very important that engineering controls are operating, and that protective equipment requirements and personal hygiene measures are being followed. People working with this chemical should be properly trained regarding its hazards and its safe use. Inspect containers for leaks before handling. Label containers appropriately. Ensure proper ventilation. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid contact with eyes, skin and clothing. Keep away from heat, sparks and flame. Avoid generating high concentrations of dusts, vapours or mists. Keep away from incompatible materials (Section 10). Keep containers closed when not in use. Empty containers are always dangerous. Refer also to Section 8.

Conditions for safe storage, including any incompatibilities

Store in a well-ventilated place. Keep container tightly closed. Keep cool. Store locked up. Store away from incompatible materials (Section 10). Inspect all incoming containers to make sure they are properly labelled and not damaged. Storage area should be clearly identified, clear of obstruction and accessible only to trained personnel. Inspect periodically for damage or leaks.

Section 8. Exposure controls/Personal protection

Control parameters (biological limit values or exposure limit values and source of those values)

Exposure limits: CAS 74-98-6 & 75-28-5 – ACGIH – TLV-TWA (STEL) & PEL-TWA 1000 ppm;
Dust – PEL-TWA 15 mg/m^3 (total dust) & 5 mg/m^3 (respirable fraction);

Appropriate engineering controls

Use under well-ventilated conditions. Local exhaust ventilation system is recommended to maintain concentrations of contaminants below exposure limits. Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

Individual protection measures/personal protective equipment

Respiratory protection is required if the concentrations are higher than the exposure limits. Use a NIOSH approved respirators if the exposure limits are unknown. We recommend wearing chemically protective gloves (impervious), and other protective clothing to prevent prolonged or repeated skin contact during all handling operations. We recommend wearing protective chemical splash goggles/safety glasses or other to prevent mists from entering the eyes. Wash hands/nails/face thoroughly after handling. Do not eat, drink or smoke when using this product. Practice good personal hygiene after using this material. Remove and wash contaminated work clothing before re-use.

Section 9. Physical and chemical properties

Appearance, physical state/colour Various colour aerosol
Odour Characteristic
Odour threshold Not available
pH Not available
Melting/freezing point Not available
Initial boiling point/range Not available
Flash point Not available
Evaporation rate Not available
Flammability (solids and gases) Extremely flammable aerosol
Upper and lower flammability/explosive limits Not available

Vapour pressure Not available
Vapour density Not available
Relative density 1
Solubility Not available
Partition coefficient - n-octanol/water Not available
Auto-ignition temperature Not available
Decomposition temperature Not available
Viscosity Not available
VOC Not available
Other None known

Section 10. Stability and reactivity

Reactivity

Does not react under the recommended storage and handling conditions prescribed.

Chemical stability

Stable under the recommended storage and handling conditions prescribed.

Possibility of hazardous reactions
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

Conditions to avoid (static discharge, shock or vibration)
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

Incompatible materials
Oxidizing materials; etc.

Hazardous decomposition products
None known

Section 11. Toxicological information

Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact)
Harmful if swallowed. Harmful in contact with skin. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Harmful if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation. May cause drowsiness or dizziness. Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure. May displace oxygen and cause rapid suffocation.

Symptoms related to the physical, chemical and toxicological characteristics
Skin irritation, redness, stinging, pain; Eye irritation, redness, tearing; Respiratory tract irritation, coughing, shortness of breath, dizziness, drowsiness, nausea and headaches.

Delayed and immediate effects (chronic effects from short-term and long-term exposure)
Skin Sensitization – Possible;
Respiratory Sensitization – Possible;
Germ Cell Mutagenicity – No data available;
Carcinogenicity – Ingredient listed by IARC, ACGIH, NTP or OSHA;
Reproductive Toxicity – No data available;
Specific Target Organ Toxicity — Single Exposure – Possible;
Specific Target Organ Toxicity — Repeated Exposure – Possible;
Aspiration Hazard – No data available;
Health Hazards Not Otherwise Classified – No data available.

Numerical measures of toxicity (ATE; LD_{50} & LC_{50})
CAS 13674-84-5 LD_{50} Oral - Rat - 500 mg/kg; LC_{50} 5 mg/L 4 hrs (rat); LD_{50} Dermal – Rabbit - 1230 mg/kg;
CAS 9016-87-9 LC_{50} 490 mg/m^3 4 hrs (rat);
CAS 75-28-5 LC_{50} 658000 mg/m^3 4 hrs (rat);
ATE not available in this document.

Section 12. Ecological information

Ecotoxicity (aquatic and terrestrial information) No data available for this product

Persistence and degradability No data available

Bioaccumulative potential No data available

Mobility in soil No data available

Other adverse effects No data available

Section 13. Disposal considerations

Information on safe handling for disposal/methods of disposal/contaminated packaging
Dispose of contents/container into safe container in accordance with local, regional or national regulations.

Section 14. Transport information

UN number; Proper shipping name; Class(es); Packing group (PG) of the TDG Regulations
UN1950; AEROSOLS; CLASS 2.1

UN number; Proper shipping name; Class(es); Packing group (PG) of the 49 CFR (USA)
UN1950; AEROSOLS; CLASS 2.1

UN number; Proper shipping name; Class(es); Packing group (PG) of the IMDG (maritime)

UN1950; AEROSOLS; CLASS 2.1

UN number; Proper shipping name; Class(es); Packing group (PG) of the IATA (air)
UN1950; AEROSOLS FLAMMABLE; CLASS 2.1

Special precautions (transport/conveyance) May also be shipped as a LIMITED QUANTITY in accordance with TDG.

Environmental hazards (IMDG or other) None

Bulk transport (usually more than 450 L in capacity) Possible

Section 15. Regulatory information

Safety/health Canadian regulations specifics Refer to Section 2 for the appropriate classification. This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR).

Environmental Canadian regulations specifics Refer to Section 3 for ingredient(s) of the DSL

Safety/health/environmental outside regulations specifics
United States OSHA information: This product is regulated according to OSHA (29 CFR).
United States EPA (Environmental Protection Agency) information: 40 CFR Refer to the ingredients listed in Section 3 & Sections 12; 13 & 14.
United States TCSA information: Refer to the ingredients listed in Section 3.
National Fire Protection Association (NFPA):
HEALTH: 2 FLAMMABILITY: 4 INSTABILITY: 1 SPECIAL HAZARDS: Refer to Section 2 & 3.
HAZARD SCALE: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe
Proposition 65: This product contains chemicals known to the State of California to cause cancer or other reproductive harm.

Section 16. Other information

Date of the latest revision of the safety data sheet March 12, 2018 version 1 (NSS ENTREPRISE INC.)

References Safety Data Sheets from manufacturer/supplier & from Canadian Centre for Occupational Health and Safety, CCOHS.

Abbreviations

ACGIH	American Conference of Governmental Industrial Hygienists
ATE	Acute toxicity estimate
CAS	Chemical Abstract Service
DSL	Domestic Substance List
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods Code
LC	Lethal concentration
LD	Lethal Dosage
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program (U.S.A.)
OSHA	Occupational Safety and Health Administration (U.S.A.)
PEL	Permissible Exposure Limit
STEL	Short-term Exposure Limit
TDG	Transport of dangerous goods in Canada
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act
TWA	Time Weighted Average
WHMIS	Workplace Hazardous Materials Information System