



Section 1. Identification of the substance/mixture and of the company/undertaking

Product identifier

Product Name: 8915

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

Recommended Use(s): Styrene copolymer mixture

Details of the supplier of the safety data sheet

Manufacturer: Adfast
2685 Diab
Ville Saint-Laurent Quebec H4S 1E7
Canada

Email: servicemtl@adfastcorp.com

Url: <http://www.adfastcorp.com>

Emergency telephone number

Emergency Contact: Emergency Spills (CANUTEC): 613-996-6666
Emergency Spills (CHEMTREC): 800-424-9300

Section 2. Hazards identification

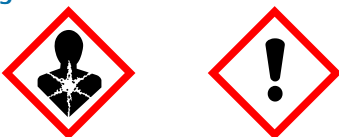
Classification of the substance or mixture

GHS Classification for mixture:

Specific target organ toxicity - repeated exposure - Category 2
Specific target organ toxicity - single exposure - Category 3 (Respiratory)
Carcinogenicity - Category 2
Skin sensitization - Category 1
Serious eye irritation - Category 2A
Skin irritation - Category 2

Label elements

Pictograms:



Signal Words:

Warning

Hazard Statements:

Causes skin irritation.

May cause an allergic skin reaction.

Causes serious eye irritation.

May cause respiratory irritation.

Suspected of causing cancer. Route(s) of exposure: None.

May cause damage to organs through prolonged or repeated exposure. Route(s) of exposure: None. Affected organ(s): None.

Precautionary Statements:

Prevention

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Keep container tightly closed.

Do not breathe fume, spray, mist, gas, vapors.

Avoid breathing fume, mist, gas, vapors, spray.

Wash exposed area thoroughly after handling.

Use only outdoors or in a well-ventilated area.

Contaminated work clothing should not be allowed out of the workplace.

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

Response

Call a POISON CENTER, doctor if you feel unwell.

If exposed or concerned: Get medical attention / advice.

If skin irritation or rash occurs: Get medical attention / advice.

If eye irritation persists: Get medical attention / advice.

If skin irritation occurs: Get medical attention / advice.

Get medical attention / advice if you feel unwell.

Specific treatment (see None on this label).

If eye irritation persists: Get medical advice.

IF IN EYES: Remove contact lenses, if present and easy to do. Continue rinsing.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

IF IN EYES: Rinse cautiously with water for several minutes.

IF ON SKIN: Wash with plenty of water.

Take off contaminated clothing.

Take off contaminated clothing. And wash it before reuse.

Storage

Store in a well-ventilated place.

Store locked up.

Disposal

Dispose of contents accordance with local, federal, and international regulations.

Other hazards

No available data for this section.

Section 3. Composition/information on ingredients

Substances

No available data for this section.

Mixtures

Identifiers	Ingredients	Percentage	Classification
75-09-2	Dichloromethane	50% to 75%	Eye Irr. 2, Carc. 2
136-23-2	zinc bis (dibutyldithiocarbamate)	0.1% to 0.3%	Aquatic Acute 1, STOT SE 3, Skin. Sens. 1, Aquatic Chronic 1, Skin Irr. 2, Eye Irr. 2

Section 4. First-Aid Measures

Description of First Aid Measures

In the event of splashes or contact with eyes

Wash eyes with plenty of water. Hold eyelids open to ensure adequate flushing. Remove the contact lenses if worn and easy to do that. Continue rinsing. Seek medical attention if irritation, redness, or any other symptom develops.

In the event of splashes or contact with skin

Take off all contaminated clothing and wash it before reuse. Wash contaminated areas thoroughly with water. If redness or other symptoms occur, seek medical advice / attention.

In the event of ingestion

If the exposed person is drowsy or unconscious, do not give anything by mouth. Rinse the mouth with water. If spontaneous vomiting occurs, lean the exposed person forward to reduce the risk of aspiration. If after ingestion you feel unwell, seek medical advice.

In the event of inhalation

Remove person to fresh air and keep at rest in a position comfortable for breathing. Loosen tight clothing such as a collar, tie, belt, or waistband. If the exposed person is not breathing, provide artificial respiration. If spontaneous vomiting occurs, lean the exposed person forward to reduce the risk of aspiration. It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled material is toxic, infectious, or corrosive. If after inhalation you feel unwell, seek medical advice.

Most important symptoms and effects, both acute and delayed

Eye contact: Causes serious eye irritation. Adverse symptoms include. Pain or irritation. Watering. Redness.

Skin contact: Causes skin irritation. May cause an allergic skin reaction. Adverse symptoms include. Irritation. Redness.

Inhalation: May cause respiratory irritation. Adverse symptoms include. Watering. Redness.

Indication of any immediate medical attention and special treatment needed

No available data for this section.

Section 5. Firefighting Measures

Extinguishing media

Suitable Extinguishing Media

The suggested appropriate media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media

No available data for this section.

Special hazards arising from the substance or mixture

Specific Hazards Arising from Combustion of Products

Fire / decomposition hazards: Gas, vapors, or dust are irritating to skin and eyes. Gas, vapors, or dust may cause respiratory irritation. Gas, vapors, or dust may trigger allergic skin reactions.

Combustion Products

Oxides of carbon (CO_x). Halogenated compounds. Carbonyl halides.

Advice for firefighters

Protective Measures for Fire-Fighting

Wear protective gloves, clothing, and protective goggles to prevent contact with skin and eyes. Wear self-contained breathing apparatus.

Special Protective Actions for Fire-Fighters

No available data for this section.

Other Information for Fire Fighters

No available data for this section.

Section 6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Avoid being exposed to gas / mist / dust / fume / vapor / spray / particles. Evacuate the people from the area. Isolate and restrict access to area until completion of cleanup. Ventilate area of leak or spill. Wear protective gloves, clothing, and protective goggles to prevent contact with skin and eyes. Wear self-contained breathing apparatus or airline.

Environmental precautions

Dike area to prevent runoff and contamination of water sources. Dispose of the material in accordance with government regulations. Dispose of via a licensed waste disposal contractor. Do not discharge into drains or any body of water (rivers, streams, ponds, lakes, etc). If the product has entered a water course or sewer or contaminated soil or vegetation, advise the local emergency services and environmental authorities. Notify the competent local authorities of any large scale spill. Prevent contamination of soil and surface water.

Methods and material for containment and cleaning up

Collect and transfer to a closable container without splash or generating dust / mist for disposal by an appropriate method. Ensure cleanup is conducted by trained personnel only. Move containers from spill area if there is no risk. Stop leak if safe to do so. Turn leaking containers leak-side up to prevent the escape of liquid. Dilute with water and mop up if water-soluble and appropriate or absorb with an inert dry material and place in an appropriate waste disposal container.

Reference to other sections

No available data for this section.

Section 7. Handling and Storage

Precautions for safe handling

Avoid being exposed to gas / mist / dust / fume / vapor / spray / particles. Avoid direct contact with the substance (solid / liquid / vapor). Check container for defect or leakage before handling. Do not eat, drink or smoke during handling. Do not handle in a confined space. Do not handle until all safety precautions have been read and understood. Ensure there is sufficient ventilation of the area. Handle in accordance with all current regulations and standards. Handle in accordance with good industrial hygiene and safety practice. Keep container tightly closed. Protect against physical damage. Report immediately if physical damage, leakage, or spillage occurs. Wash any exposed area of body thoroughly after handling. Wear protective gloves, clothing, and protective goggles to prevent contact with skin and eyes.

Conditions for safe storage, including any incompatibilities

Conditions for Safe Storage

Keep container closed when not in use. Store locked up. Store only in well-ventilated areas. Do not store in unlabeled containers.

Suitable Packaging

Store in original container / packaging.

Incompatible Materials

Not specified.

Specific end use(s)

No available data for this section.

Section 8. Exposure Controls / Personal Protection

Control parameters

Control Parameters / Limits for Product

No available data for this section.

Control Parameters / Limits for Component

Dichloromethane

ACGIH

TLV 174 mg/m³ TWA: 8 hours
50 ppm TWA: 8 hours

OSHA

PEL 25 ppm TWA: 8 hours
125 ppm STEL: 15 minutes

Exposure controls

Engineering Measures

Provide adequate general and local exhaust ventilation.

Respiratory Protection

Certified self-contained breathing apparatus must be available in case of emergency. Respiratory protection is required if the concentrations exceed the TLV.

Eye/Face Protection

Wear safety goggles.

Skin and Body Protection

Wear appropriate chemical resistant clothing.

Hand Protection

Ensure gloves are certified. Wear impermeable gloves.

Hygiene Measures

Contaminated work clothing should not be allowed out of the workplace. Keep away from food or drink. Use in accordance with good hygiene and safety practice. Wash Hands thoroughly after handling.

Environmental exposure controls

No available data for this section.

Section 9. Physical and chemical properties

Information on basic physical and chemical properties

Physical State	Liquid
Appearance	Amber (light)
Odor	Chloroform
Odor threshold	Not available
pH	Not available
Melting point	Not available
Boiling point	40°C / 104°F

Flash Point	Greater than 93.3°C / 199.94°F
Evaporation rate	Not available
Flammability	Not available
Flammability limit	Not available
Vapor pressure	Not available
Vapor density	Not available
Relative density	1.206 multiplier w/r/t water
Solubility	Not available
Solubility in other solvents	Not available
Partition coefficient	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Not available
Freezing point	Not available

Other Information

No available data for this section.

Section 10. Chemical Stability & Reactivity Information

Reactivity

Reactivity: The product is known to be non-reactive in ambient conditions.

Chemical Stability

The product is stable and under normal conditions and can be easily handled.

Possibility of Hazardous Reactions

Hazardous polymerization will not occur under normal conditions.

Conditions to Avoid

There are no specific conditions known which have to be avoided.

Incompatible Materials

No available data for this section.

Hazardous Decomposition Products

No available data for this section.

Section 11. Toxicological Information

Information on toxicological effects

Toxicological Information for Product

LD50 Oral 45087.6 mg/kg

Toxicological Information for Component

zinc bis (dibutyldithiocarbamate)

LD50 Oral Greater than 5000 mg/kg Rat.

Dichloromethane

LC50 Inhalation	76000 mg/m ³ 4 hours, Rat.
LD50 Oral	985 mg/kg.

Irritation/Corrosion Information for Product

No available data for this section.

Irritation/Corrosion Information for Component

zinc bis (dibutyldithiocarbamate)

Eye contact: Mild irritant, 39 mg, Rabbit.

Skin contact: Mild irritant, 0.5 grams, Rabbit.

Dichloromethane

Eye contact: Mild irritant, 500 mg, 24 hour. Moderate irritant, 162 mg, 24 hour, Rabbit.

Skin contact: Moderate irritant, 100 mg, 24 hour, Rabbit. Severe irritant, 810 mg, 24 hour, Rabbit.

Section 12. Ecological Information

Toxicity

Ecotoxicity Values for Product

No available data for this section.

Ecotoxicity Values for Component

zinc bis (dibutyldithiocarbamate)

EC50 0.74 mg/l (48h) Daphnia magna.

LC50 Environmental 880 mg/l (96h) Fish.

Dichloromethane

EC50 NOAEL 560 mg/l Algae: Pseudokirchneriella, 96 hour.

EC50 242 mg/l (72h) Algae - Chlamydomonas reinhardtii.
500 mg/l (96h) Algae - Pseudokirchneriella subcapitata.
1250 mg/l (48h) Crustaciae - Daphnia magna.
99 to 121.5 mg/l (96h) Fish: Pimephales promelas.

LC50 Environmental 329 mg/l Crustacean: Americamysis bahia 48 hour.
220 to 330 mg/l Crustacean: Daphnia magna.
193 to 277.8 mg/l (96h) Fish: Pimephales promelas.
254 mg/l (96h) Fish: Danio rerio.

Persistence and degradability

No available data for this section.

Bioaccumulative potential

Bioaccumulative Potential for Product

No available data for this section.

Bioaccumulative Potential for Component

Dichloromethane

Potential: low.

BCF: 22.91.

LogPow: 1.25.

Mobility in soil

No available data for this section.

Results of PBT and vPvB assessment

No available data for this section.

Other adverse effects

No available data for this section.

Section 13. Disposal Considerations

Waste treatment methods

Waste Disposal Regulation(s) / Operation

No available data for this section.

Waste Treatment Methods

No available data for this section.

Section 14. Transportation Information

	ADR	IMDG	IATA	DOT
UN number	2810	2810	2810	No available data for this section.
UN proper shipping name	TOXIC LIQUID, ORGANIC, N.O.S. (Dichloromethane)	TOXIC LIQUID, ORGANIC, N.O.S. (Dichloromethane)	TOXIC LIQUID, ORGANIC, N.O.S. (Dichloromethane)	TOXIC LIQUID, ORGANIC, N.O.S. (Dichloromethane)
Transport hazard class(es)	6.1	6.1	6.1	No available data for this section.
Packing group	III	III	III	No available data for this section.
Environmental hazards	No available data for this section.	No available data for this section.	No available data for this section.	No available data for this section.
Special precautions for user	No available data for this section.			
Transport in bulk according to Annex II of Marpol and the IBC Code	No available data for this section.			
Other	1383.7 lbs / 628.2 kg [137.61 gal / 520.9 L]			

Section 15. Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

Safety, Health and Environmental Regulations for Product

SARA 311-312: Delayed (chronic) health hazard. Immediate (acute) health hazard.

Safety, Health and Environmental Regulations for Component

Dichloromethane

Clean Air Act Section 112 (HAPs):

Listed.

California prop 65:

Known to the State of California to cause cancer.

No significant risk level.

200 µg/day inhalation.

Right to know:	New York. New Jersey. Massachusetts. Pennsylvania.
Sara 313 Supplier notification:	50-75%.
SARA 313 Form R:	50-75%.
SARA 311/312:	Immediate (acute) health hazard. Delayed (chronic) health hazard.
Clean Water Act (CWA) 307:	Listed.

Chemical safety assessment

No available data for this section.

Section 16. Other Information

Other Information

No available data for this section.

Disclaimer

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product

Glossary

No available data for this section.