



SAFETY DATA SHEET (SDS)

1. IDENTIFICATION

| | |
|-----------------------------|---|
| PRODUCT IDENTIFIER: | Hard Adco-Addon Thinner |
| PRODUCT ID: | 2149 |
| REVISION DATE: | 03/22/2022 |
| PRODUCT DESCRIPTION: | Shelf life extender |
| RECOMMENDED USE: | Use only as directed on label |
| RESTRICTIONS ON USE: | Use only as directed on label |
| MANUFACTURER/SUPPLIER: | ADCO Hearing Products 4242 S. Broadway Englewood, CO 80113 Toll Free: 800-726-0851 Local: 303-794-3928 Fax: 303-794-3704 Email: sales@adcohearing.com |
| EMERGENCY TELEPHONE NUMBER: | ADCO Hearing Products 303-794-3928 Toll Free: 800-726-0851 Poison Control Center 800-222-1222 |

2. HAZARD(S) IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE:

Form: Liquid
Color: Clear
Odor: Strong alcohol scent

| Hazard Classification: | Category |
|-------------------------------|-----------------|
| Serious Eye Damage/Irritation | 2B |
| Skin irritation | 2 |
| Carcinogenicity | 2 |

RISK PHRASES: R37/38: Irritating to respiratory system and skin. - R43: May cause sensitization by skin contact

SYMPTOMS RELATING TO USE: Cough. Headache. Breathing difficulties
INHALATION-

SKIN CONTACT: Repeated exposure may cause sensitization due to an allergic reaction of the skin

EYE CONTACT: Blurred vision. Burning sensation. Redness, pain

INGESTION: Must not come into contact with food or be consumed

HAZARD PICTOGRAMS:



GHS Health Hazard



GHS Exclamation Mark

HAZARD STATEMENTS:

- Suspected of causing cancer

- Causes skin irritation

SIGNAL WORD: **WARNING**

PRECAUTIONARY STATEMENTS:

- Obtain special instructions before use
- Do not handle until all safety precautions have been read and understood
- Wash hands and exposed skin thoroughly after handling
- Wear protective gloves/ protective clothing/ eye protection/ face protection
- If exposure or concern arises, get medical advice/ attention
- Store in a locked space
- Dispose of contents/container in accordance with local, state & federal regulations
- If skin irritation or rash occurs: Get medical advice/ attention
- Wash contaminated clothing before reuse

CARCINOGENICITY

| | | |
|-------|--|---------|
| NTP | Dichloromethane: | 75-09-2 |
| | Reasonably Anticipated to be a Human Carcinogen | |
| IARC | Dichloromethane: | 75-092 |
| | Reasonably Anticipated to be a Human Carcinogen | |
| OSHA | Dichloromethane | 75-09-2 |
| ACGIH | Dichloromethane: A3: | 75-09-2 |
| | Confirmed animal carcinogen | |

3. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME: Methyl methacrylate

CONTENTS: > 95 < 100

CAS NO: 80-62-6

EC NO: 201-297-1

ANNEX NO: 607-035-00-6

CLASSIFICATION: F; R11 Xi; R37/38 R43

CHEMICAL NAME: Dichloromethane

CAS-NO: 75-09-2

CONCENTRATION: 100.00%

FORMULA: CH₂Cl₂

CHEMICAL NATURE: Substance

4. FIRST AID MEASURES

EYE CONTACT: If product gets in the eyes, flush with plenty of water, also under eye lids for at least 15 minutes. Contact a physician.

INHALATION: Remove victim to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Use oxygen as required, provided a qualified operator is present. Seek immediate medical attention.

SKIN CONTACT: Rinse thoroughly with water, followed by a thorough washing of the affected area with water for at least 15 min. Remove contaminated clothing and shoes immediately, and wash thoroughly before reuse. Contact a physician immediately.

INGESTION: If ingested, do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.

NOTES TO PHYSICIAN: Treat symptomatically

5. FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: Foam, dry chemical, dry powder, cool closed containers exposed to fire with water spray, or carbon dioxide

UNSUITABLE EXTINGUISHING MEDIA: High volume water jet

SPECIFIC HAZARDS DURING FIRE-FIGHTING: This product is not flammable at ambient temperatures and atmospheric pressure. Exposure to decomposition products may be a hazard to health. In case of fire hazardous decomposition products may be produced such as: Phosgene Chlorine (Cl₂), Carbon monoxide, Carbon dioxide (CO₂), Gaseous hydrogen chloride (HCl). May form flammable/explosive vapor-air mixture.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS: Wear self-contained breathing apparatus and protective suit.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Material as sold is combustible; burns vigorously with intense heat.

FLAMMABLE CLASS: Flammable product

SURROUNDING FIRES: Use water spray or fog for cooling exposed containers

PROTECTION AGAINST FIRE: Do not enter fire area without proper protective equipment, including respiratory protection

SPECIAL PROCEDURES: Exercise caution when fighting any chemical fire

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

PERSONAL PRECAUTIONS: Keep public away from danger area. Equip cleanup crew with proper protection. No smoking. Wear personal protective equipment. Immediately evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Isolate the affected area. Confine entry into the affected area to those persons properly protected (see Section 8 of MSDS). Ensure adequate ventilation. Avoid accumulation of vapors in low areas. Remove all sources of ignition. Do not swallow. Avoid breathing vapors, mist or gas. Avoid contact with skin, eyes and clothing.

ENVIRONMENTAL PRECAUTIONS: Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters. Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided. Do not

flush into surface water or sanitary sewer system. Do not allow run-off from fire fighting to enter drains or water courses.

METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP: Ventilate the area. Transfer spilled material to suitable containers for recovery or disposal. Clean up any spills as soon as possible, using an absorbent material to collect it. Use suitable disposal containers. Flush residue with large amounts of water. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Shovel into suitable container for disposal. Dispose of absorbed material in accordance with the regulations.

7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE STORAGE AND HANDLING

ADVICE ON SAFE HANDLING: Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed. Do not breathe vapors/dust. Wear personal protective equipment. Use only in well-ventilated areas. Keep container tightly closed. Do not smoke. Do not swallow. Avoid breathing vapors, mist or gas. Keep away from sources of ignition. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work.

ADVICE ON PROTECTION AGAINST FIRE AND EXPLOSION: The product is not flammable. Normal measures for preventive fire protection. Keep product and empty container away from heat and sources of ignition. Fire or intense heat may cause violent rupture of packages. Container hazardous when empty.

STORAGE: Protect from physical damage. Keep containers tightly closed in a dry, cool and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep away from heat and sources of ignition. Keep away from direct sunlight. Store away from incompatible substances. Container hazardous when empty. Keep in fireproof place. Store in tightly closed, properly ventilated containers away from heat, sparks, open flame.

HANDLING: Ensure prompt removal from eyes, skin and clothing. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

PROTECTIVE MEASURES: Ensure that eyewash stations and safety showers are close to the workstation location.

ENGINEERING MEASURES: Use with local exhaust ventilation with a minimum capture velocity of 150 ft./min. (0.75 m/sec.) at the point of dust or mist evolution. Refer to the current edition of "Industrial Ventilation: A Manual of Recommended Practice" published by the American Conference of Governmental Industrial Hygienists for information on the design, installation, use, and maintenance of exhaust systems.

EYE/FACE PROTECTION: Do not wear contact lenses. Wear as appropriate: Safety glasses with side-shields. If splashes are likely to occur, wear: Goggles or face shield, giving complete protection to eyes. Eye protection worn must be compatible with respiratory protection system employed.

SKIN AND BODY PROTECTION: Wear as appropriate: Solvent-resistant apron Solvent-resistant gloves If splashes are likely to occur, wear: Protective suit. In case of possible repeated skin contact wear protective clothing.

HAND PROTECTION: Solvent-resistant gloves. Gloves must be inspected prior to use. Replace when worn.

RESPIRATORY PROTECTION: In case of insufficient ventilation, wear suitable respiratory equipment. Wear a positive-pressure supplied-air respirator. For rescue and maintenance work in storage tanks use self-contained breathing apparatus. Use NIOSH approved respiratory protection.

HYGIENE MEASURES: When using, do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product. Keep working clothes separately. Remove and wash contaminated clothing before re-use. Do not swallow. Avoid breathing vapors, mist or gas. Avoid contact with skin, eyes and clothing. This material has an established AIHA ERPG exposure limit. The current list of ERPG exposure limits can be found at http://www.aiha.org/insideaiha/GuidelineDevelopment/ERPG/Documents/2011erpgweelhandbook_table-only.pdf. Provide good ventilation in process area to prevent formation of vapor.

Exposure guidelines

| Components | CAS No. | Value | Control parameters | Update | Basis |
|-----------------|---------|----------------------------|--------------------|--------|--|
| Dichloromethane | 75-09-2 | TWA: time weighted average | (50 ppm) | 2008 | ACGIH:US. ACGIH Threshold Limit Values |

| | | | | | |
|-----------------|---------|---------------------------------------|-----------------------------|---------|---|
| Dichloromethane | 75-09-2 | REF: reference | 29 CFR 1910.1052 | 032012 | OSHASP:US. OSHA Specifically Regulated Substances (29 CFR 1910.1001- 1050) |
| Dichloromethane | 75-09-2 | TWA: time weighted average. | (25 ppm) | 02 2006 | OSHASP:US. OSHA Specifically Regulated Substances (29 CFR 1910.1001- 1050) |
| Dichloromethane | 75-09-2 | OSHA_A CT: OSHA Action level: | (12.5 ppm) | 02 2006 | OSHASP:US. OSHA Specifically Regulated Substances (29 CFR 1910.1001- 1050) |
| Dichloromethane | 75-09-2 | STEL: short term exposure limit | 1,225 mg/m3 (500 ppm) | 1989 | Z1A:US. OSHA Table Z-1-A (29 CFR 1910.1000) |

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

COLOR: Clear

ODOR: Strong alcohol scent

PH: Not applicable

MELTING POINT/FREEZING POINT: -95 °C

BOILING POINT/BOILING RANGE: 40 °C

FLASH POINT: N/A

EVAPORATION RATE: 0.7; Method: Compared to Ether (anhydrous)

LOWER EXPLOSION LIMIT: 12% (V)

UPPER EXPLOSION LIMIT: 19% (V)

VAPOR PRESSURE: 466.63 hPa at 20 °C (68 °F)

VAPOR DENSITY: 2.9 Note: (Air = 1.0)

DENSITY: 1.33 g/cm³

LIQUID DENSITY: 0.66 g/cm³ Bulk density

WATER SOLUBILITY: 13.2 g/l at 25 °C

IGNITION TEMPERATURE: 556 °C

AUTO IGNITION TEMP: 393.00 °C (739.40 °F) estimated

MOLECULAR WEIGHT: 84.94 g/mol

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable under normal conditions

POSSIBILITY OF HAZARDOUS REACTIONS: May release flammable gases

HAZARDOUS POLYMERIZATION: Hazardous polymerization may occur if exposure to fire conditions

CONDITIONS TO AVOID: Heat, flames and sparks, extreme heat and cold. Keep away from direct

sunlight

INCOMPATIBLE MATERIALS TO AVOID: Strong oxidizers, strong acids, keep away from metals. Acetaldehyde, aluminum, chlorine, ethylene oxide, isocyanates, oxygen, lithium, magnesium, and sodium. May attack many plastics, rubbers and coatings, strong bases, oxidizing agents

HAZARDOUS DECOMPOSITION PRODUCTS: According to process conditions, hazardous decomposition products may be generated. In case of fire hazardous decomposition products may be produced such as: Carbon monoxide, phosgene, chlorine, gaseous hydrogen chloride (HCl), and carbon dioxide (CO₂)

11. TOXICOLOGICAL INFORMATION

ACUTE ORAL TOXICITY:

LD50: > 2,000 mg/kg, Species: Rat, Method: OECD Test Guideline 401,

Note: No deaths

ACUTE INHALATION TOXICITY: LC50: 14400 ppm, Exposure time: 7 h Species: Mouse

ACUTE DERMAL TOXICITY: LD50: > 2,000 mg/kg, Species: Rat

SKIN IRRITATION: Species: Rabbit, Result: moderate irritation

EYE IRRITATION: Species: Rabbit, Result: severe eye irritation

DICHLOROMETHANE: Test Method: Ames test Result: positive. Test Method: In vitro gene mutation study in mammalian cells Cell type: Chinese Hamster Ovary Cells Result: positive. Test Method: Unscheduled DNA synthesis Result: positive Note: Liver cells Mouse

ADDITIONAL INFORMATION: Note: Confirmed animal carcinogen with unknown relevance to humans.

12. ECOLOGICAL INFORMATION

ECOTOXICITY EFFECTS: Toxicity to fish- LC50: > 5 g/l Exposure time: 24 h, Species: Carassius auratus (goldfish), static test, LC50: 310 mg/l, Exposure time: 96 h Species: Pimephales promelas (fathead minnow)

: Flow-through test, LC50: 193 mg/l, Exposure time: 96 h Species: Pimephales promelas (fathead minnow)

: flow-through test LC50: 10.95 mg/l Exposure time: 96 h Species: Oncorhynchus mykiss (rainbow trout)

: static test LC50: 220 mg/l, Exposure time: 96 h, Species: Lepomis macrochirus (Bluegill sunfish)

TOXICITY TO DAPHNIA AND OTHER AQUATIC INVERTEBRATES: EC50: 140 mg/l, Exposure time: 48 h, Species: Daphnia magna (Water flea), EC50: > 100 mg/l, Exposure time: 48 h, Species: Daphnia magna (Water flea)

TOXICITY TO BACTERIA: EC50: 1,000 mg/l, Exposure time: 15 min, Species: Photobacterium phosphoreum

13. DISPOSAL CONSIDERATIONS

Dispose of this material and its container at hazardous or special waste collection point. Dispose in a safe manner in accordance with local/national regulations.

14. TRANSPORT INFORMATION

DOT:

UN/ID No.

UN 1593

| | |
|----------------------|----------------|
| Proper shipping name | DICHLORMETHANE |
| Class | 6.1 |
| Packing group | III |
| Hazard labels | 6.1 |

IATA:

| | |
|--|----------------|
| UN/ID No. | UN 1593 |
| Description of the goods | DICHLORMETHANE |
| Class | 6.1 |
| Packaging group | III |
| Hazard Labels | 6.1 |
| Packing instruction (cargo aircraft) | 663 |
| Packing instruction (passenger aircraft) | 655 |
| Packing instruction (passenger aircraft) | Y642 |

IMDG

| | |
|--------------------------|----------------|
| UN/ID No. | UN 1593 |
| Description of the goods | DICHLORMETHANE |
| Class | 6.1 |
| Packaging group | III |
| Hazard Labels | 6.1 |
| EmS Number | F-A, S-A |
| Marine Pollutant | no |

15. REGULATORY INFORMATION

Inventories

US. Toxic Substances Control Act: On TSCA Inventory

Australia. Industrial Chemical (Notification and Assessment) Act: On the inventory, or in compliance with the inventory

Canada. Canadian Environmental Protection Act (CEPA). Domestic Substances List (DSL): All components of this product are on the Canadian DSL

Japan. Kashin-Hou Law List: On the inventory, or in compliance with the inventory

Korea. Toxic Chemical Control Law (TCCL) List: On the inventory, or in compliance with the inventory

Philippines. The Toxic: On the inventory, or in compliance with the inventory

Substances and Hazardous and Nuclear Waste Control Act

China. Inventory of Existing Chemical Substances: On the inventory, or in compliance with the inventory

New Zealand. Inventory of Chemicals (NZIoC), as published by ERMA New Zealand: On the inventory, or in compliance with the inventory

National regulatory information

US. EPA CERCLA Hazardous Substances (40 CFR 302): The following component(s) of this product is/are subject to release reporting under 40 CFR 302 when release exceeds the Reportable Quantity (RQ): Reportable quantity: 1000 lbs. : Dichloromethane 75-09-2

SARA 302 Components: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302

SARA 13 Components: The following components are subject to reporting levels established by SARA Title III, Section 313: Dichloromethane 75-09-2

SARA 311/312 Hazards: Acute Health Hazard Chronic Health Hazard

CERCLA Reportable Quantity: 1000 lbs.

California Prop. 65: WARNING! This product contains a chemical known to the State of California to cause cancer. Dichloromethane 75-09-2

Massachusetts RTK: Dichloromethane 75-09-2

New Jersey RTK: Dichloromethane 75-09-2

Pennsylvania RTK: Dichloromethane 75-09-2

WHMIS Classification: D1B: Toxic Material Causing Immediate and Serious Toxic Effects

D2A: Very Toxic Material Causing Other Toxic Effects D2B: Toxic Material Causing Other Toxic Effects This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

Symbol(s): Xi- Irritant

R Phrase(s): R37/38: Irritating to respiratory system and skin. R43: May cause sensitization by skin contact

S Phrase(s): S24: Avoid contact with skin. S35: This material and its container must be disposed of in a safe way. S36/37: Wear suitable protective clothing and gloves. S51: Use only in well-ventilated areas. S59: Refer to manufacturer/supplier for information on recovery/recycling

16. OTHER INFORMATION

| | HMIS III | NFPA |
|-----------------|----------|------|
| Health hazard | 2* | 2 |
| Flammability | 1 | 1 |
| Physical Hazard | 0 | |
| Instability | | 0 |

*chronic health hazard

Hazard rating and rating systems (e.g. HMIS® III, NFPA): This information is intended solely for the use of individuals trained in the particular system.

Additional information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. Final determination of suitability of any material is the sole responsibility of the user. This information should not constitute a guarantee for any specific product properties.

Prepared by: Adco Hearing Products