

SAFETY DATA SHEET.

Issuing date 27-Apr-2016

Revision Date 27-Apr-2016

Version 2

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier

Product name MCD20-N NON-FLAMMABLE MOLD CLEANER

Recommended use of the chemical and restrictions on use

Product code F01494

Product Type Non-flammable aerosol
Synonyms None

Supplier's details

Recommended Use Non-Flammable Mold Cleaner.
Uses advised against No information available

Manufactured For:
Molders Choice Inc.
12900 Plaza Drive
Parma, OH 44130

Manufacturer
American Jetway Corporation
34136 Myrtle Street
Wayne, MI 48184-0126
AMERICAN JETWAY 1-734-721-5930

Emergency telephone number

Chemical Emergency Phone Number Chemtrec 1-800-424-9300
Company Emergency Phone Number 440-349-6174 Mon -Fri 8 AM -5PM

2. HAZARDS IDENTIFICATION

Classification


| | |
|--|----------------|
| Skin corrosion/irritation | Category 2 |
| Serious eye damage/eye irritation | Category 2A |
| Skin Sensitization | Category 1B |
| Carcinogenicity | Category 2 |
| Specific target organ toxicity (single exposure) | Category 3 |
| Gases under pressure | Compressed Gas |

GHS Label elements, including precautionary statements

Emergency Overview

DANGER

Hazard Statements
 Causes skin irritation
 Causes serious eye irritation
 May cause an allergic skin reaction
 Suspected of causing cancer
 May cause respiratory irritation. May cause drowsiness or dizziness
 Contains gas under pressure; may explode if heated



Appearance Clear **Physical state** Aerosol **Odor** Solvent

Precautionary Statements - Prevention

- Obtain special instructions before use
- Do not handle until all safety precautions have been read and understood
- Wear protective gloves/protective clothing/eye protection/face protection
- Wash face, hands and any exposed skin thoroughly after handling
- Avoid breathing dust/fume/gas/mist/vapors/spray
- Contaminated work clothing must not be allowed out of the workplace.
- Use only outdoors or in a well-ventilated area

Precautionary Statements - Response

- If exposed or concerned: Get medical advice/attention
- Specific treatment (see first aid on this label)
- IF IN EYES: 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
- IF ON SKIN: Wash with plenty of soap and water.
- Take off contaminated clothing and wash before reuse
- If skin irritation or rash occurs: Get medical advice/attention
- IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- Call a POISON CENTER or doctor/physician if you feel unwell

Precautionary Statements - Storage

- Store locked up
- Store in a well-ventilated place. Keep container tightly closed
- Protect from sunlight

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

None

Other information

0.00003% of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS-No | Weight %* |
|---------------------|----------|-----------|
| TETRACHLOROETHYLENE | 127-18-4 | 90-100 |
| CARBON DIOXIDE | 124-38-9 | 1-10 |

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

First aid measures for different exposure routes

- General advice** Avoid contact with eyes, skin, and clothing. Avoid breathing vapors mist, or gas.
- Eye contact** Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Seek immediate medical attention/advice.
- Skin contact** Wash off immediately with soap and plenty of water. Remove and wash contaminated clothing before re-use. Get medical attention immediately if symptoms occur.
- Inhalation** Move to fresh air. If not breathing, give artificial respiration. If breathing has stopped, contact emergency medical services immediately.
- Ingestion** Do NOT induce vomiting. Call a physician immediately. Never give anything by mouth to an unconscious person. Risk of product entering the lungs on vomiting after ingestion.

Most important symptoms/effects, acute and delayed

Main Symptoms Causes skin, eye, and respiratory irritation . May cause an allergic reaction if in contact with skin. Harmful if swallowed.

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

Notes to physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

water fog. Dry chemical. Carbon dioxide (CO2). Cool containers / tanks with water spray.

Unsuitable Extinguishing Media Do not use a solid water stream as it may scatter and spread fire.

Specific hazards arising from the chemical

Keep product and empty container away from heat and sources of ignition.

Explosion Data

Sensitivity to Mechanical Impact none.

Sensitivity to Static Discharge Yes.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Use shielding to protect fire-fighters from bursting containers.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Use with adequate ventilation to keep the exposure levels below the OELS.

Environmental precautions

Environmental precautions Vapors can accumulate in low areas. Report spills as required by local and federal regulations.

Methods and materials for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Contain liquid and collect with an inter,non-combustible material.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists. Contents under pressure. Do not puncture or incinerate cans. Do not stick pin or any other sharp object into opening on top of can. Use with adequate ventilation. Keep container away from heat, flames,and all other sources of ignition.Keep can away from all sources of electricity such as electric motors and batteries. Do not spray on hot surfaces.

Conditions for safe storage, including any incompatibilities

Technical measures/Storage conditions Keep containers tightly closed in a dry, cool and well-ventilated place.

Incompatible products Store away from strong acids,alkalis, or oxidizing agents.

Aerosol Level 1

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|---------------------------------|----------------------------------|--|---|
| TETRACHLOROETHYLENE 127-18-4 | STEL: 100 ppm TWA: 25 ppm | TWA: 100 ppm (vacated) TWA: 25 ppm (vacated) TWA: 170 mg/m ³ Ceiling: 200 ppm | IDLH: 150 ppm |
| CARBON DIOXIDE 124-38-9 | STEL: 30000 ppm TWA: 5000 ppm | TWA: 5000 ppm TWA: 9000 mg/m ³ (vacated) TWA: 10000 ppm (vacated) TWA: 18000 mg/m ³ (vacated) STEL: 30000 ppm (vacated) STEL: 54000 mg/m ³ | IDLH: 40000 ppm TWA: 5000 ppm TWA: 9000 mg/m ³ STEL: 30000 ppm STEL: 54000 mg/m ³ |

ACGIH: (American Conference of Governmental Industrial Hygienists)

OSHA: (Occupational Safety & Health Administration)

NIOSH IDLH: Immediately Dangerous to Life or Health

Other Exposure Guidelines Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

Exposure controls

Engineering Measures Ventilation systems. Use adequate ventilation to keep the exposure levels below the OELs.

Individual protection measures, such as personal protective equipment

- Eye/Face Protection** Safety glasses with side-shields.
- Skin and body protection** Chemical resistant apron. Protective gloves.
- Respiratory protection** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Hygiene measures Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and chemical properties

| | | | |
|--|---|--|----------------|
| <p>Physical state Appearance Color</p> | <p>Aerosol Clear</p> | <p>Odor Odor Threshold</p> | <p>Solvent</p> |
| <p><u>Property</u> pH Melting/freezing point Boiling point/boiling range Flash Point</p> | <p><u>Values</u> No information available No information available No information available No information available</p> | <p><u>Remarks • Methods</u></p> <p>The component has no Flashpoint per Tag Closed Cup and Cleveland Open Cup. Additionally, propellant has no flashpoint.</p> | |
| <p>Evaporation rate Flammability (solid, gas) Flammability Limits in Air upper flammability limit lower flammability limit Vapor pressure Vapor density Specific Gravity Water solubility Partition coefficient: n-octanol/water Autoignition temperature Decomposition temperature Viscosity Explosive properties</p> | <p>No information available No information available No information available No information available No information available No information available 1.624 Practically insoluble No information available No information available No information available</p> | <p>Not applicable</p> | |
| <p><u>Other information</u></p> | | | |
| <p>VOC Content(%)</p> | <p>0</p> | | |

10. STABILITY AND REACTIVITY

Reactivity

No data available

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

None under normal processing.

Conditions to Avoid

Extremes of temperature and direct sunlight.

Incompatible Materials

Store away from strong acids,alkalis, or oxidizing agents.

Hazardous Decomposition Products

Carbon oxides. Fumes. Hydrocarbons.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

| | |
|----------------------------|--|
| Product Information | Product does not present an acute toxicity hazard based on known information |
| Inhalation | Exposure to high vapour concentrations may cause nervous systems effects such as headache, nausea, and dizziness. |
| Eye contact | Irritating to eyes. |
| Skin contact | Irritating to skin. May cause an allergic skin reaction. Prolonged skin contact may defat the skin and produce dermatitis. |
| Ingestion | Not acutely toxic. Aspiration into the lungs during swallowing may be harmful. |

Component Information

| Chemical Name | LD50 Oral | LD50 Dermal | LC50 Inhalation |
|---------------------------------|----------------------|-------------|-------------------------|
| TETRACHLOROETHYLENE 127-18-4 | = 2629 mg/kg (Rat) | - | = 27.8 mg/L (Rat) 4 h |

Information on toxicological effects

Symptoms Causes eye and respiratory irritation . May cause skin irritation. Harmful if swallowed.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

| | |
|----------------------------------|--|
| Skin corrosion/irritation | Irritating to skin. May cause an allergic skin reaction if in contact with skin. |
| Eye damage/irritation | Irritating to eyes. |
| Sensitization | May cause sensitization by skin contact. |
| Germ Cell Mutagenicity | Not a germ cell mutagen. |
| Carcinogenicity | The table below indicates whether each agency has evaluated a listed ingredient as a carcinogen. |

| Chemical Name | ACGIH | IARC | NTP | OSHA |
|---------------------------------|-------|----------|------------------------|------|
| TETRACHLOROETHYLENE 127-18-4 | A3 | Group 2A | Reasonably Anticipated | - |

ACGIH: (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

A2 - Suspected Human Carcinogen

IARC: (International Agency for Research on Cancer)

Group 2A - Probably Carcinogenic to Humans

Group 2B - Possibly Carcinogenic to Humans

Group 1 - Carcinogenic to Humans

Group 3 - Not Classifiable as to Carcinogenicity in Humans

*NTP: (National Toxicity Program)
Reasonably Anticipated - Reasonably Anticipated to be a Human Carcinogen
OSHA: (Occupational Safety & Health Administration)
X - Present*

Reproductive toxicity The ingredients are not reproductive hazards.
Specific target organ systemic toxicity (single exposure) May cause respiratory irritation. may cause drowsiness and dizziness.
Specific target organ systemic toxicity (repeated exposure) None known.
Chronic toxicity Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. Chronic hydrocarbon abuse has been associated with irregular heart rhythms and potential cardiac arrest. Prolonged skin contact may defat the skin and produce dermatitis. May cause adverse liver effects.
Target Organ Effects Central Nervous System (CNS), Central Vascular System (CVS), Eyes, Kidney, Liver, Respiratory system, Skin, Lungs.
Aspiration hazard Not applicable.

Numerical measures of toxicity - Product Information

Unknown Acute Toxicity 0.00003% of the mixture consists of ingredient(s) of unknown toxicity
The following values are calculated based on chapter 3.1 of the GHS document .
ATEmix (oral) 10656 mg/kg
ATEmix (dermal) 4262 mg/kg
ATEmix (inhalation-dust/mist) 1122.1 mg/l
ATEmix (inhalation-vapor) 396184 mg/l

12. ECOLOGICAL INFORMATION

Ecotoxicity

| Chemical Name | Toxicity to algae | Toxicity to fish | Toxicity to microorganisms | Toxicity to daphnia and other aquatic invertebrates |
|---------------------------------|---|--|----------------------------|---|
| TETRACHLOROETHYLENE 127-18-4 | 500 mg/L EC50 Pseudokirchneriella subcapitata 96h | 12.4 - 14.4 mg/L LC50 Pimephales promelas 96h flow-through 8.6 - 13.5 mg/L LC50 Pimephales promelas 96h static 11.0 - 15.0 mg/L LC50 Lepomis macrochirus 96h static 4.73 - 5.27 mg/L LC50 Oncorhynchus mykiss 96h flow-through | - | 6.1 - 9.0 mg/L EC50 Daphnia magna 48h Static |

Persistence and degradability

.

Bioaccumulation

.

| Chemical Name | log Pow |
|---------------------------------|-------------|
| TETRACHLOROETHYLENE 127-18-4 | 2.53 - 2.88 |

Other adverse effects No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment

Waste Disposal Methods This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261). Dispose of in accordance with federal, state, and local regulations.

Contaminated packaging Do not re-use empty containers.

14. TRANSPORT INFORMATION

DOT Ground CONSUMER COMMODITY ORM-D
or
LIMITED QUANTITY

IATA UN1950, AEROSOLS, NON-FLAMMABLE, CONTAINING SUBSTANCES IN DIVISION
6.1, PACKING GROUP III, 2.2 (6.1), LTD. QTY

IMDG UN1950, AEROSOLS, 2.2 (6.1),LTD.QTY.

15. REGULATORY INFORMATION

International Inventories

| Chemical Name | TSCA | DSL/NDSL | EINECS/ELI NCS | ENCS | IECSC | KECL | PICCS | AICS |
|-------------------------|------|----------|-------------------|------|-------|------|-------|------|
| TETRACHLOROETHY LENE | X | X | X | X | X | X | X | X |
| CARBON DIOXIDE | X | X | X | X | X | X | X | X |

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
CHINA - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

| Chemical Name | CAS-No | Weight %* | SARA 313 - Threshold Values % |
|--------------------------------|----------|-----------|----------------------------------|
| TETRACHLOROETHYLENE - 127-18-4 | 127-18-4 | 90-100 | 0.1 |

SARA 311/312 Hazard Categories

Acute Health Hazard Yes
Chronic Health Hazard Yes
Fire Hazard no
Sudden Release of Pressure Hazard Yes
Reactive Hazard no

Clean Water Act

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):

| Chemical Name | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|---------------------------------|-----------------------------|------------------------|---------------------------|----------------------------|
| TETRACHLOROETHYLENE 127-18-4 | | X | X | |

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

| Chemical Name | Hazardous Substances RQs | Extremely Hazardous Substances RQs | RQ |
|---------------------------------|--------------------------|------------------------------------|--|
| TETRACHLOROETHYLENE 127-18-4 | 100 lb 1 lb | | RQ 100 lb final RQ RQ 45.4 kg final RQ RQ 1 lb final RQ RQ 0.454 kg final RQ |

U.S. State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals:

| Chemical Name | California Prop. 65 |
|--------------------------------|---------------------|
| TETRACHLOROETHYLENE - 127-18-4 | Carcinogen |

U.S. State Right-to-Know Regulations

| Chemical Name | New Jersey | Massachusetts | Pennsylvania |
|---------------------------------|------------|---------------|--------------|
| TETRACHLOROETHYLENE 127-18-4 | X | X | X |
| CARBON DIOXIDE 124-38-9 | X | X | X |

EPA Pesticide Registration Number Not applicable

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR.

16. OTHER INFORMATION

| | | | | |
|-------------|-----------------|----------------|-------------------|---------------------------------|
| NFPA | Health Hazard 2 | Flammability 0 | Instability 0 | Physical and chemical hazards - |
| HMIS | Health Hazard 2 | Flammability 0 | Physical Hazard 0 | Personal protection B |

Prepared By American Jetway
34136 Myrtle Street
Wayne, MI 48184

Issuing date Tel.734-721-5930
Revision Date 27-Apr-2016
Revision Note 27-Apr-2016

Disclaimer

The information provided on this SDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.

End of Safety Data Sheet