1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: RAPID DRY GLOSS COATING ALUMINUM
Product Code: V220-78FR
Alternate Product Code: A22078
Product Class: SOLVENT THINNED PAINT
Color: Aluminum
Recommended use: Industrial paint
Restrictions on use: No information available

Manufactured For:
Benjamin Moore & Co., Limited
8775 Keele Street
Concord ON L4K 2N1
Phone: 1-800-361-5898
corotechcoatings.ca

Manufacturer:
Benjamin Moore & Co.
101 Paragon Drive
Montvale, NJ 07645
Phone: 800-225-5554
corotechcoatings.com

Emergency Telephone Number(s):
CANUTEC: 613-996-6666

2. HAZARDS IDENTIFICATION

Classification
This chemical is considered hazardous by the Hazardous Products Regulations (HPR: SOR/2015-17)

<table>
<thead>
<tr>
<th>Hazard Category</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin corrosion/irritation</td>
<td>Category 2</td>
</tr>
<tr>
<td>Serious eye damage/eye irritation</td>
<td>Category 2</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>Category 2</td>
</tr>
<tr>
<td>Reproductive toxicity</td>
<td>Category 2</td>
</tr>
<tr>
<td>Specific target organ toxicity (single exposure)</td>
<td>Category 3</td>
</tr>
<tr>
<td>Specific target organ toxicity (repeated exposure)</td>
<td>Category 1</td>
</tr>
<tr>
<td>Aspiration toxicity</td>
<td>Category 1</td>
</tr>
<tr>
<td>Flammable liquids</td>
<td>Category 3</td>
</tr>
<tr>
<td>Physical hazard not otherwise classified</td>
<td>Category 1</td>
</tr>
</tbody>
</table>

Label elements
Danger

Hazard statements
Causes skin irritation
Causes serious eye irritation
Suspected of causing cancer
Suspected of damaging fertility or the unborn child
May cause drowsiness or dizziness
Causes damage to organs through prolonged or repeated exposure
May be fatal if swallowed and enters airways
Flammable liquid and vapor
Risk of spontaneous combustion

Appearance: liquid Odor: solvent

Precautionary Statements - Prevention
Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Use personal protective equipment as required
Wash face, hands and any exposed skin thoroughly after handling
Wear eye/face protection
Do not breathe dust/fume/mist/vapors/spray
Do not eat, drink or smoke when using this product
Use only outdoors or in a well-ventilated area
Keep away from heat/sparks/open flames/hot surfaces, no smoking
Keep container tightly closed
Ground/bond container and receiving equipment
Use explosion-proof electrical/ventilating/lighting/equipment
Use only non-sparking tools
Take precautionary measures against static discharge
Keep cool
Immediately after use, place rags, steel wool or waste used with this product in a sealed water-filled metal container or lay flat to dry.

Precautionary Statements - Response
If exposed or concerned get medical attention
Eyes
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 attention
Skin
If skin irritation occurs get medical attention
If on skin (or hair) take off immediately all contaminated clothing. Rinse skin with water
Wash contaminated clothing before reuse
Inhalation
If inhaled remove victim to fresh air and keep at rest in a position comfortable for breathing
Ingestion
If swallowed immediately call a POISON CENTER or physician
Do NOT induce vomiting
Fire
In case of fire use CO2, dry chemical, or foam for extinction

Precautionary Statements - Storage
Store locked up
Store in a well-ventilated place. Keep container tightly closed

Precautionary Statements - Disposal
Dispose of contents/container to an approved waste disposal plant
Materials such as rags used with this product may begin to burn by themselves. After use, put rags in water or lay flat to dry, then discard.

Other information
No information available

3. COMPOSITION INFORMATION ON COMPONENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No</th>
<th>Weight % (max)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Distillates, petroleum, hydrotreated light</td>
<td>64742-47-8</td>
<td>10 - 30%</td>
</tr>
<tr>
<td>Stoddard solvent</td>
<td>8052-41-3</td>
<td>10 - 30%</td>
</tr>
<tr>
<td>VM&amp;P naphtha</td>
<td>64742-89-8</td>
<td>7 - 13%</td>
</tr>
<tr>
<td>Aluminum</td>
<td>7429-90-5</td>
<td>5 - 10%</td>
</tr>
<tr>
<td>Petroleum ether</td>
<td>8032-32-4</td>
<td>1 - 5%</td>
</tr>
<tr>
<td>1,2,4-Trimethylbenzene</td>
<td>95-63-6</td>
<td>1 - 5%</td>
</tr>
<tr>
<td>Octane</td>
<td>111-65-9</td>
<td>0.5 - 1%</td>
</tr>
<tr>
<td>Heptane</td>
<td>142-82-5</td>
<td>0.5 - 1%</td>
</tr>
<tr>
<td>Ethyl benzene</td>
<td>100-41-4</td>
<td>0.1 - 0.25%</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

General Advice
If symptoms persist, call a physician. Show this safety data sheet to the doctor in attendance.

Eye Contact
Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.

Skin Contact
Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. If skin irritation persists, call a physician.

Inhalation
Move to fresh air. If symptoms persist, call a physician. If not breathing, give artificial respiration. Call a physician immediately.

Ingestion
Clean mouth with water and afterwards drink plenty of water. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Consult a physician.

Protection Of First-Aiders
Use personal protective equipment.

Most Important Symptoms/Effects
No information available.

Notes To Physician
Treat symptomatically.
5. FIRE-FIGHTING MEASURES

Flammable Properties
Vapors may travel considerable distance to a source of ignition and flash back. Vapors may cause flash fire.

Suitable Extinguishing Media
Foam, dry powder or water. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

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.

Hazardous Combustion Products
Burning may result in carbon dioxide, carbon monoxide and other combustion products of varying composition which may be toxic and/or irritating.

Specific Hazards Arising From The Chemical
Flammable. Flash back possible over considerable distance. Keep product and empty container away from heat and sources of ignition. Closed containers may rupture if exposed to fire or extreme heat. Thermal decomposition can lead to release of irritating gases and vapors.

Sensitivity To Mechanical Impact
No

Sensitivity To Static Discharge
Yes

Flash Point Data
Flash Point (°F) 81.0
Flash Point (°C) 27.2
Flash Point Method PMCC

Flammability Limits In Air
Lower Explosion Limit Not available
Upper Explosion Limit Not available

NFPA Health: 1 Flammability: 3 Instability: 0 Special: Not Applicable

NFPA Legend
0 - Not Hazardous
1 - Slightly
2 - Moderate
3 - High
4 - Severe

The ratings assigned are only suggested ratings, the contractor/employer has ultimate responsibilities for NFPA ratings where this system is used.

Additional information regarding the NFPA rating system is available from the National Fire Protection Agency (NFPA) at www.nfpa.org.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions
Remove all sources of ignition. Take precautions to prevent flashback. Ground and bond all containers and handling equipment. Take precautionary measures against static discharges. Ensure adequate ventilation. Avoid
contact with skin, eyes and clothing. Use personal protective equipment.

Other Information

Prevent further leakage or spillage if safe to do so. Do not allow material to contaminate ground water system. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. Local authorities should be advised if significant spillages cannot be contained.

Environmental Precautions

See Section 12 for additional Ecological Information.

Methods For Clean-Up

Dam up. Soak up with inert absorbent material. Use a non-sparking or explosion proof means to transfer material to a sealed, appropriate container for disposal. Clean contaminated surface thoroughly.

7. HANDLING AND STORAGE

Handling

Avoid contact with skin, eyes and clothing. Wear personal protective equipment. Do not breathe vapors or spray mist. Use only in ventilated areas. Prevent vapor build-up by providing adequate ventilation during and after use.

Take precautionary measures against static discharges. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Keep away from heat, sparks and flame. Do not smoke. Extinguish all flames and pilot lights, and turn off stoves, heaters, electric motors and other sources of ignition during use and until all vapors are gone. Ignition and/or flash back may occur.

Storage


DANGER - Rags, steel wool or waste soaked with this product may spontaneously catch fire if improperly discarded. Immediately after use, place rags, steel wool or waste in a sealed water-filled metal container.

Incompatible Materials

Incompatible with strong acids and bases and strong oxidizing agents.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits

No exposure limits have been established for this product.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH</th>
<th>Alberta</th>
<th>British Columbia</th>
<th>Ontario</th>
<th>Quebec</th>
</tr>
</thead>
<tbody>
<tr>
<td>Distillates, petroleum, hydrotreated light</td>
<td>N/E</td>
<td>N/E</td>
<td>200 mg/m³ - TWA</td>
<td>N/E</td>
<td>N/E</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Skin absorption can contribute to overall</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
V220-78FR - RAPID DRY GLOSS COATING
ALUMINUM

<table>
<thead>
<tr>
<th></th>
<th>exposure.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>exposure.</td>
</tr>
<tr>
<td>Stoddard solvent</td>
<td>100 ppm - TWA</td>
</tr>
<tr>
<td></td>
<td>572 mg/m³ - TWA</td>
</tr>
<tr>
<td>Aluminum</td>
<td>10 mg/m³ - TWA 5 mg/m³ - TWA</td>
</tr>
<tr>
<td></td>
<td>1 mg/m³ - TWA</td>
</tr>
<tr>
<td></td>
<td>10 mg/m³ - TWA 5 mg/m³ - TWA</td>
</tr>
<tr>
<td>Petroleum ether</td>
<td>N/E</td>
</tr>
<tr>
<td></td>
<td>300 ppm - TWA</td>
</tr>
<tr>
<td></td>
<td>1400 mg/m³ - TWA</td>
</tr>
<tr>
<td>Octane</td>
<td>300 ppm - TWA</td>
</tr>
<tr>
<td></td>
<td>1400 mg/m³ - TWA</td>
</tr>
<tr>
<td>Heptane</td>
<td>400 ppm - TWA 500 ppm - STEL</td>
</tr>
<tr>
<td></td>
<td>1640 mg/m³ - TWA 2050 mg/m³ - STEL</td>
</tr>
<tr>
<td>Ethyl benzene</td>
<td>20 ppm - TWA 100 ppm - TWA</td>
</tr>
<tr>
<td></td>
<td>434 mg/m³ - TWA 125 ppm - STEL</td>
</tr>
<tr>
<td></td>
<td>543 mg/m³ - STEL</td>
</tr>
</tbody>
</table>

Legend
ACGIH - American Conference of Governmental Industrial Hygienists
Alberta - Alberta Occupational Exposure Limits
British Columbia - British Columbia Occupational Exposure Limits
Ontario - Ontario Occupational Exposure Limits
Quebec - Quebec Occupational Exposure Limits
N/E - Not established

Engineering Measures
Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment
Eye/Face Protection
Safety glasses with side-shields.
Skin Protection
Protective gloves and impervious clothing.
Respiratory Protection
Use only with adequate ventilation. In operations where exposure limits are exceeded, use a NIOSH approved respirator that has been selected by a technically qualified person for the specific work conditions. When spraying the product or applying in confined areas, wear a NIOSH approved respirator specified for paint spray or organic vapors.

Hygiene Measures
Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance
liquid
Odor
solvent
Odor Threshold
No information available
Density (lbs/gal)
7.7 - 8.0
Specific Gravity
0.92 - 0.96
pH
No information available
Viscosity (cps)
No information available
Solubility
No information available
Water Solubility
No information available
Evaporation Rate
No information available
Vapor Pressure
No information available
Vapor Density
No information available
Wt. % Solids
40 - 50
Vol. % Solids
30 - 40
Wt. % Volatiles
50 - 60
Vol. % Volatiles
60 - 70
10. STABILITY AND REACTIVITY

Reactivity
Not Applicable

Chemical Stability
Stable under normal conditions. Hazardous polymerisation does not occur.

Conditions To Avoid
Keep away from open flames, hot surfaces, static electricity and sources of ignition. Sparks. Elevated temperature.

Incompatible Materials
Incompatible with strong acids and bases and strong oxidizing agents.

Hazardous Decomposition Products
Thermal decomposition can lead to release of irritating gases and vapors.

Possibility Of Hazardous Reactions
None under normal conditions of use.

11. TOXICOLOGICAL INFORMATION

Product Information
Information on likely routes of exposure

Principal Routes of Exposure
Eye contact, skin contact and inhalation.

Acute Toxicity
Product Information
Repeated or prolonged exposure to organic solvents may lead to permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling vapors may be harmful or fatal.

Information on toxicological effects

Symptoms
No information available

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

Eye contact
Contact with eyes may cause irritation.

Skin contact
May cause skin irritation and/or dermatitis. Prolonged skin
contact may defat the skin and produce dermatitis. Harmful by inhalation. High vapor / aerosol concentrations are irritating to the eyes, nose, throat and lungs and may cause headaches, dizziness, drowsiness, unconsciousness, and other central nervous system effects.

**Inhalation**

Harmful if swallowed. Ingestion may cause irritation to mucous membranes. Small amounts of this product aspirated into the respiratory system during ingestion or vomiting may cause mild to severe pulmonary injury, possibly progressing to death.

**Sensitization:**
No information available.

**Neurological Effects**
No information available.

**Mutagenic Effects**
No information available.

**Reproductive Effects**
Possible risk of impaired fertility. Possible risk of harm to the unborn child.

**Developmental Effects**
No information available.

**Target Organ Effects**
May cause disorder and damage to the respiratory system. Central nervous system (CNS).

**STOT - single exposure**
Causes damage to organs through prolonged or repeated exposure if inhaled. May cause disorder and damage to the Central nervous system (CNS).

**STOT - repeated exposure**
No information available.

**Other adverse effects**
May be harmful if swallowed and enters airways. Small amounts of this product aspirated into the respiratory system during ingestion or vomiting may cause mild to severe pulmonary injury, possibly progressing to death.

**Aspiration Hazard**
No information available.

---

**Numerical measures of toxicity**

The following values are calculated based on chapter 3.1 of the GHS document

| ATEmix (oral) | 24783 mg/kg |
| ATEmix (dermal) | 7642 mg/kg |
| ATEmix (inhalation-dust/mist) | 121.5 mg/L |
| ATEmix (inhalation-vapor) | 28 mg/L |

**Component**

- **Distillates, petroleum, hydrotreated light**
  - LD50 Oral: > 5,000 mg/kg (Rat)
  - LD50 Dermal: > 3,000 mg/kg (Rabbit)

- **Stoddard solvent**
  - LD50 Oral: > 5,000 mg/kg (Rat)
  - LD50 Dermal: > 3160 mg/kg (Rabbit)

- **1,2,4-Trimethylbenzene**
  - LC50 Inhalation (Vapor): 18000 mg/m³ (Rat, 4 hr.)

- **Heptane**
  - LC50 Inhalation (Vapor): 103000 mg/m³ (Rat, 4 hr.)

- **Ethyl benzene**
  - LD50 Oral: mg/kg (Rat)
  - LD50 Dermal: > mg/kg (Rabbit)
LC50 Inhalation (Vapor): mg/m³ (Rat, 2 hr.)

**Chronic Toxicity**

**Carcinogenicity**

*The information below indicates whether each agency has listed any ingredient as a carcinogen:*

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>IARC</th>
<th>NTP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethyl benzene</td>
<td>2B - Possible Human Carcinogen</td>
<td></td>
</tr>
</tbody>
</table>

**Legend**

IARC - International Agency for Research on Cancer  
NTP - National Toxicity Program  
OSHA - Occupational Safety & Health Administration

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity Effects**

The environmental impact of this product has not been fully investigated.

**Product Information**

**Acute Toxicity to Fish**

No information available

**Acute Toxicity to Aquatic Invertebrates**

No information available

**Acute Toxicity to Aquatic Plants**

No information available

**Persistence / Degradability**

No information available.

**Bioaccumulation / Accumulation**

No information available.

**Mobility in Environmental Media**

No information available.

**Ozone**

No information available

**Component**

**Acute Toxicity to Fish**

Ethyl benzene  
LC50: 12.1 mg/L (Fathead Minnow - 96 hr.)

**Acute Toxicity to Aquatic Invertebrates**

Ethyl benzene  
EC50: 1.8 mg/L (Daphnia magna - 48 hr.)

**Acute Toxicity to Aquatic Plants**
Ethyl benzene
EC50: 4.6 mg/L (Green algae (Scenedesmus subspicatus), 72 hrs.)

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method
Dispose of in accordance with federal, state, provincial, and local regulations. Local requirements may vary, consult your sanitation department or state-designated environmental protection agency for more disposal options.

Empty Container Warning
Emptied containers may retain product residue. Follow label warnings even after container is emptied. Residual vapors may explode on ignition.

14. TRANSPORT INFORMATION

TDG
Proper Shipping Name  Paint
Hazard Class  3
UN-No  UN1263
Packing Group  III
Description  UN1263, Paint, , 3, III

ICAO / IATA  Contact the preparer for further information.
IMDG / IMO  Contact the preparer for further information.

15. REGULATORY INFORMATION

International Inventories
TSCA: United States  Yes - All components are listed or exempt.
DSL: Canada  No - Not all of the components are listed.
One or more component is listed on NDSL.

National Pollutant Release Inventory (NPRI)

NPRI Parts 1-4
This product contains the following Parts 1-4 NPRI chemicals:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No</th>
<th>Weight % (max)</th>
<th>NPRI Parts 1-4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminum</td>
<td>7429-90-5</td>
<td>5 - 10%</td>
<td>Listed</td>
</tr>
<tr>
<td>1,2,4-Trimethylbenzene</td>
<td>95-63-6</td>
<td>1 - 5%</td>
<td>Listed</td>
</tr>
<tr>
<td>Octane</td>
<td>111-65-9</td>
<td>0.5 - 1%</td>
<td>Listed</td>
</tr>
<tr>
<td>Heptane</td>
<td>142-82-5</td>
<td>0.5 - 1%</td>
<td>Listed</td>
</tr>
<tr>
<td>Ethyl benzene</td>
<td>100-41-4</td>
<td>0.1 - 0.25%</td>
<td>Listed</td>
</tr>
</tbody>
</table>

NPRI Part 5
This product contains the following NPRI Part 5 Chemicals:
**Chemical Name** | **CAS-No** | **Weight % (max)** | **NPRI Part 5**
--- | --- | --- | ---
Distillates, petroleum, hydrotreated light | 64742-47-8 | 10 - 30% | Listed
Stoddard solvent | 8052-41-3 | 10 - 30% | Listed
VM&P naphtha | 64742-89-8 | 7 - 13% | Listed
Petroleum ether | 8032-32-4 | 1 - 5% | Listed
1,2,4-Trimethylbenzene | 95-63-6 | 1 - 5% | Listed

**WHMIS Regulatory Status**

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

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**16. OTHER INFORMATION**

**HMIS - Health:** 1*  
**Flammability:** 3  
**Reactivity:** 0  
**PPE:** -

**HMIS Legend**  
0 - Minimal Hazard  
1 - Slight Hazard  
2 - Moderate Hazard  
3 - Serious Hazard  
4 - Severe Hazard  
* - Chronic Hazard  
X - Consult your supervisor or S.O.P. for "Special" handling instructions.

*Note: The PPE rating has intentionally been left blank. Choose appropriate PPE that will protect employees from the hazards the material will present under the actual normal conditions of use.*

**Caution:** HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer, has chosen to provide them. HMIS® ratings are to be used only in conjunction with a fully implemented HMIS® program by workers who have received appropriate HMIS® training. HMIS® is a registered trade and service mark of the NPCA. HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

**WARNING!** If you scrape, sand, or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by logging onto Health Canada @ http://www.hc-sc.gc.ca/ewh-semt/contaminants/lead-plomb/asked_questions-questions_posees-eng.php.

**Prepared By**

Product Stewardship Department  
Benjamin Moore & Co.  
101 Paragon Drive  
Montvale, NJ 07645  
855-724-6802

**Revision Date:** 14-Jun-2016  
**Reason For Revision:** Not available

**Disclaimer**

The information contained herein is presented in good faith and believed to be accurate as of the effective date shown above. This information is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determination of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. Any use of this data and information must be determined by the user to be in accordance with applicable...
federal, provincial, and local laws and regulations.

END OF SAFETY DATA SHEET