



# SAFETY DATA SHEET (SDS)

Amerway 200 Flux

Date: 1/1/2015

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## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

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**PRODUCT NAME:** Amerway 200 Rosin Flux – RMA - 25

**MANUFACTURER:** Amerway Inc.

**ADDRESS:** 3701 Beale Ave.  
Altoona, PA 16601

**PHONE:** 814-944-0200

**FAX PHONE:** 814-944-1463

**PRODUCT USE:** Soldering Flux  
**PREPARED BY:** Terry Buck

**CHEMTREC:** 800-424-9300  
**CHEMTREC (Outside US & Canada):** 703-527-3887

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## SECTION 2: HAZARDS IDENTIFICATION

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### Classification of the substance or mixture

#### GHS02 Flame

**H225** Highly flammable liquid and vapor.

#### GHS07

**H319** Causes serious eye irritation.

**H336** May cause drowsiness or dizziness.

This substance is classified and labeled according to the Globally Harmonized System (GHS).

### Precautionary Statements

**P210** Keep away from heat/spark/open flames/hot surfaces. No Smoking.

**P241** Use explosion proof electrical/ventilating/lighting/equipment.

**P303+P361+P353 IF ON SKIN (or hair):** Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

**P305+P351+P338 IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

**P405** Store locked up.

**P501** Dispose of contents/container in accordance with local/regional/national/international regulations.

### NFPA RATINGS (scale 0-4)

Health= 1

Fire= 3

Reactivity= 0

### HMIS RATINGS (scale 0-4)

Health= 1

Fire= 3

Reactivity= 0



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## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

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### Chemical characterization: Substances

CAS No.	Description	%Wt.	PEL/PPM	TLV/PPM
67-63-0	Isopropyl alcohol	65-75	400	400
8006-64-0	Turpentine	10-20	1000	1000

### Identification number(s)

EC number: 200-661-7

Index number: 603-117-00-0

Unlisted percentages are non-hazardous.

None of the materials in this product are listed in NTP, IARC, or OSHA as carcinogens.

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## SECTION 4: FIRST AID MEASURES

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### Description of first aid measures

**Inhalation:** Supply fresh air; consult a doctor in case of complaints.

**Skin contact:** Generally the product does not irritate the skin.

**Eye contact:** Rinse opened eye for several minutes under running water. If symptoms persist consult a doctor.

**Ingestion:** Give large amounts of water. If symptoms persist consult a doctor.

### Information for doctor

#### Most important symptoms and effects, both acute and delayed

No further relevant information available.

#### Indication of any immediate medical attention and special treatment needed

No further relevant information available.

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## SECTION 5: FIRE-FIGHTING MEASURES

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### Extinguishing media

#### Suitable extinguishing agents:

CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

#### Special hazards arising from the substance or mixture:

No further relevant information available.

### Advice for firefighters

#### Protective equipment:

No special measures required.



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**SECTION 6: ACCIDENTAL RELEASE MEASURES**

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**Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.

**Environmental precautions:**

Dilute with plenty of water.  
Do not allow to enter sewers/surface or ground water.

**Methods and material for containment and clean up:**

Absorb with liquid binding material (Sand, diatomite, acid binders, universal binders, sawdust).  
Ensure adequate ventilation.

**Reference to other sections:**

See Section 7 for information on safe handling.  
See section 8 for information on personal protection equipment.  
See section 13 for disposal information.

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**SECTION 7: HANDLING AND STORAGE**

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**Handling**

**Precautions for safe handling:**

No special precautions are necessary if used correctly.

**Information about protection against explosions and fires:**

Keep ignition sources away – Do Not Smoke  
Protect against electrostatic charges.

**Conditions for safe storage, including any incompatibilities**

**Storage:**

**Requirements to be met by storerooms and receptacles:**

Store in a cool location.

**Information about storage in one common storage facility:**

Not required.

**Further information about storage conditions:**

Keep receptacle tightly sealed.  
Store in cool, dry conditions in well sealed receptacle.

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**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

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**Components with limit values that require monitoring at the workplace:**

67-63-0 Isopropyl alcohol

PEL - Long term value: 980 mg/m<sup>3</sup>, 400 ppm

REL – Short term value: 1225 mg/m<sup>3</sup>, 500 ppm  
Long term value: 980 mg/m<sup>3</sup>, 400 ppm

TLV - Short term value: 984 mg.m<sup>3</sup>, 400 ppm  
Long term value: 492 mg/m<sup>3</sup>, 200 ppm



**Ingredients with biological limit values:**

**67-63-0 Isopropyl alcohol**

**BEI – 40mg/L**

**Urine**

**End of shift at end of work week**

**Acetone (background, nonspecific)**

**Additional information:** The list that were valid during the creation were used as basis.

**Exposure Controls**

**Personal protective equipment:**

**General protective and hygienic measures:**

- Keep away from foodstuffs, beverages and feed.
- Immediately remove all soiled and contaminated clothing.
- Wash hands before breaks and at the end of work.
- Avoid contact the eyes and skin.

**Breathing equipment: Not required.**

**Protection of hands:** Protective gloves.

- The glove material has to be impermeable and resistant to the product/the substance/the preparation.
- Due to missing test, n recommendation to the glove material can be given for the product/the preparation/the chemical mixture.
- Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

**Material of gloves:**

- The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

**Penetration time of glove material:**

- The exact break through has to be found out by the manufacturer of the protective gloves and has to be observed.

**Eye protection:** Tightly sealed goggles.

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**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

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**Appearance:**

- Form:** Fluid
- Color:** Amber

**Odor:** Alcohol like.

**pH Value (-g/l):** Neutral

**Melting Point/Melting Range:** -89.5°C (-129 °F)

**Boiling Point/Boiling Range:** 82°C (180°F)

**Flash Point:** 12°C (54°F)

**Flammability (solid, gaseous):** Not applicable.

**Ignition Temperature:** 425°C (797°F)

**Decomposition Temperature:** Not determined.

**Auto Igniting:** Not determined.

**Danger of Explosion:** Product is not explosive, however formation of explosive air/vapor mixtures are possible.



**Explosion Limits:**

**Lower:** 2 Vol%

**Upper:** 12 Vol%

**Vapor Pressure @ 38°C (100°F):** 42 hPa (32 mm Hg)

**Density @ 20 °C (68 °F):** 0.785 g/cm<sup>3</sup> (6.551 lbs/gal)

**Relative Density:** Not determined.

**Vapor Density:** Not determined.

**Evaporation rate:** Not determined.

**Solubility in/Miscibility with Water @ 20°C (68°F):** 1 g/l

**Partition coefficient (n-octanol/water):** Not determined.

**Viscosity:**

**Dynamic @ 20°C (68°F):** 2.43 mPas

**Kinematic:** Not determined.

**Other Information:** No further relevant information available.

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**SECTION 10: STABILITY AND REACTIVITY**

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**Thermal decomposition/conditions to be avoided:** No decomposition if used according to specifications.

**Possibility of Hazardous Reactions:** No dangerous reactions known.

**Conditions to Avoid:** No further relevant information available.

**Incompatible Materials:** No further relevant information available.

**Hazardous Decomposition Products:** No dangerous decomposition products known.

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**SECTION 11: TOXICOLOGICAL INFORMATION**

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**Acute toxicity:**

**LD/LC50 vales that are relevant for classification:**

Oral, LD50, 5045 mg/kg (rat)

Dermal, LD50, 12800 mg/kg (rabbit)

Inhalative, LC50/4 h, 30 mg/l (rat)

**Primary Irritant Effect:**

**Skin:** No irritant effect.

**Eyes:** Irritant effect.

**Sensitization:** No sensitizing effects known.



**Additional Toxicological Information:**

**Carcinogenic Categories**

**IARC (International Agency for Research on Cancer)**  
67-63-0 Isopropyl Alcohol: 3

**NTP (National Toxicology Program)**  
Substance is not listed.

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**SECTION 12: ECOLOGICAL INFORMATION**

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**Toxicity**

**Aquatic Toxicity:** No further relevant information available.

**Persistence and Degradability:** No further relevant information available.

**Behavior in Environmental Systems**

**Bio-accumulative Potential:** No further relevant information available.

**Mobility in Soil:** No further relevant information available.

**Additional Ecological Information**

**General Notes:**

**Water hazard class 1 (Assessment by list):** Slightly hazardous for water.  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

**Results of PBT and vPvB assessment**

**PBT:** Not applicable.  
**vPvB:** Not applicable.

**Other Adverse Effects:** No further relevant information available.

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**SECTION 13: DISPOSAL CONSIDERATIONS**

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**Waste Disposal Methods**

**Recommendations:**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

**Uncleaned Packaging**

**Recommendation:** Disposal must be made according to official regulations.

**Recommended Cleansing Agent:** Water, if necessary with cleansing agents.



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**SECTION 14: TRANSPORT INFORMATION**

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**UN-Number**

**DOT, ADR, IATA: UN1219**  
**IMDG: UN1219 (Not Regulated)**

**UN Proper Shipping Name**

**DOT: Isopropanol (Isopropyl Alcohol)**  
**ADR: UN1219 Isopropanol (Isopropyl Alcohol)**  
**IMDG, IATA: ISOPROPANAL (ISOPROPYL ALCHOL)**

**Transportation Hazard Class(es)**

**DOT: Class 3 Flammable liquids/Label 3.**  
**ADR: Class 3 (F1) Flammable liquids/Label 3**  
**IMDG, IATA: Class 3 Flammable liquids/Label 3**

**Packing Group**

**DOT, ADR, IMDG, IATA: II**

**Environmental Hazards**

**Marine Pollutant: No**  
**Special Precautions for User: Warning: Flammable liquids**  
**Danger Code (Kemler): 33**  
**EMS Number: F-E, S-D**  
**Transport in Bulk According to Annex II of MARPOL73/78 and IBC Code: Not Applicable.**  
**UN "Model Regulation": UN1219, Isopropanol (Isopropyl Alcohol), 3, II**

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**SECTION 15: REGULATORY INFORMATION**

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

**Sara**

**Section 355 (Extremely hazardous substances):** Substance is not listed.  
**Section 313 (Specific toxic chemical listings):** Substance is listed.  
**TSCA (Toxic Substance Control Act):** Substance is listed.

**Proposition 65**

**Chemicals known to cause cancer:** Substance is not listed.  
**Chemicals known to cause reproductive toxicity for females:** Substance is not listed.  
**Chemicals known to cause reproductive toxicity for males:** Substance is not listed.  
**Chemicals known to cause developmental toxicity:** Substance is not listed.



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### Carcinogenic Categories

**EPA (Environmental Protection Agency):** Substance is not listed.

**TLV (Threshold Limit Value established by ACGIH)**

67-63-0 Isopropyl alcohol: A4

**NIOSH-Ca (National Institute of Occupational Safety and Health)** Substance is not listed.

**OSHA-Ca (Occupational Safety & Health Administration)** Substance is not listed.

**GHS Label Elements:** The substance is classified and labeled according to the Globally Harmonized System (GHS).

**Hazard Pictograms:** GHS02, GHS07

**Signal Word:** Danger

### Hazard Statements:

H225 Highly flammable liquid and vapor.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

### Precautionary Statements:

**P210** Keep away from heat/sparks/open flames/hot surfaces. No Smoking.

**P241** Use explosion proof electrical/ventilating/lighting/equipment.

**P303+P361+P353 IF ON SKIN (or hair):** Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

**P305+P351+P338 IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do.

**P405** Store locked up.

**P501** Dispose of contents/container in accordance with local/regional/national/international regulations.

**National Regulations:** Substance is not listed.

**Chemical Safety Assessment:** A chemical safety assessment has not been carried out.

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### SECTION 16: OTHER INFORMATION

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**OTHER INFORMATION:** This information is given in good faith, no warranty, express or implied is made. Amerway Inc. makes no representations and assumes no responsibility as to the accuracy, completeness or suitability of this data for any purchasers use. The data on this Safety Data Sheet relates only to this product and does not relate to use with any other material or in any process. All chemical products should be used only by, or under the direction of, technically qualified personnel who are aware of the hazards involved and the necessity for reasonable care in handling. Hazard communication regulations require that employees must be trained on how to use a Safety Data Sheet as a source for hazard information.

### PREPARATION INFORMATION:

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