



## SECTION 6 - Toxicological Properties

## SECTION 1 - Product Information

**Product Identifier:** 145 Steel Renew

**Product Use:** Stainless Steel Coating

**Manufacturer's Name:** Aerove Industries Inc.

**Address:** 1100 Mark Circle, Gardnerville, NV 89410

**Emergency Phone:** 1-800-424-9300

**Preparation Date:** April 23, 2010

## SECTION 2 - Hazardous Ingredients

Hazardous Ingredients	Weight %	CAS Number	LD <sub>50</sub> of Ingredient (species & route)	LC <sub>50</sub> of Ingredient (species)
Acetone	10 - 30	67-64-1	5800 mg / kg (Rat-Oral)	21000 ppm / 8 hr (Rat)
Propane	10 - 30	74-98-6	N / AV	N / AV
Xylene	5 - 10	1330-20-7	4300 mg / kg (Rat-Oral)	6700 ppm / 4 hr (Rat)
n-Butane	5 - 10	106-97-8	N / AV	N / AV
n-Butyl Acetate	3 - 7	123-86-4	N / AV	N / AV
Isobutane	3 - 7	75-28-5	N / AV	57 pph / 15 min (Rat)

## SECTION 3 - Physical Data

**Physical State:** Aerosol

**Boiling Point:** N / AP

**Vapor Density (air = 1):** Heavier than air

**Odor and Appearance:** Ketone odor / Gray liquid

**Coefficient of Water/Oil Distribution:** N / AV

**Specific Gravity:** 0.8

**Freezing Point:** N / AV

**Evaporation Rate:** Faster than n-Butyl Acetate

**pH:** N / AP

**Vapor Pressure (psig):** 45 - 55

**Odor Threshold (ppm):** N / AV

## SECTION 4 - Fire and Explosion Data

**Flammability:** Yes - Flammable aerosol under conditions of sparks, flame, or excessive heat.

**Means of Extinction:** *Extinguishing Media* - Carbon dioxide, foam, dry chemical. *Firefighting Procedures* - Treat as cylinders of compressed gas. Closed containers may rupture due to pressure build up from extreme temperature. Use water spray to cool containers to prevent pressure build up. Self-contained breathing apparatus should be used if product is involved in fire.

**Flashpoint:** < 0° F (-18° C)

**Method Used:** Estimated

**Flammable Limits - LFL:** 1.1%

**UFL:** 15.0%

**Autoignition Temperature:** N / AV

**Hazardous Combustion Products:** Carbon Monoxide, Carbon Dioxide.

**Explosion Data - Sensitivity to Mechanical Impact:** No

**Explosion Data - Sensitivity to Static Discharge:** No

## SECTION 5 - Reactivity Data

**Chemical Stability:** Stable

**Reactivity & Conditions:** None

**Incompatibility with Other Substances:** Strong oxidizing agents.

**Hazardous Decomposition Products:** None

**NOTE:** N / AP = Not Applicable N / AV = Not Available

**Primary Routes of Entry:** Skin Contact, Eye Contact, Inhalation

**Effects of Acute Exposure to Product:**

*Skin Contact* - Irritation.

*Eye Contact* - Irritation.

*Inhalation* - Irritation. May cause dizziness, light-headedness and / or headaches.

**Effects of Chronic Exposure to Product:** Dermatitis.

**Exposure Limits (TLV):**

Acetone 500 ppm TWA and 750 ppm STEL - ACGIH 2005

Propane 2500 ppm TWA - ACGIH 2005

Xylene 100 ppm TWA and 150 ppm STEL - ACGIH 2005

n-Butane 800 ppm TWA - ACGIH 2005

n-Butyl Acetate 150 ppm TWA and 200 ppm STEL - ACGIH 2005

Isobutane N / AV - ACGIH 2005

**Irritancy:** Skin, eyes, and respiratory tract.

**Sensitization:** N / AV

**Carcinogenicity:** The ingredients are not listed as a human carcinogen by IARC, ACGIH, NTP, or OSHA.

**Reproductive Toxicity:** N / AV

**Teratogenicity:** N / AV

**Mutagenicity:** N / AV

**Synergistic Products:** N / AV

## SECTION 7 - Preventive Measures

**Personal Protective Equipment (PPE):** Gloves - Yes Respirator - Yes Eye - Yes Footwear - No Clothing - No Other - No

*Skin Protection* - Chemical resistant gloves such as Neoprene or Nitrile rubber.

*Respiratory Protection* - In areas with poor ventilation, use a NIOSH approved Organic Vapor Cartridge Respirator.

For concentrations above the TLV (as defined in Section 6), use a positive air supplied respirator.

*Eye Protection* - Safety glasses or goggles.

**Engineering Controls:** General ventilation to maintain exposure limits below TLV's as defined in Section 6.

**Leak and Spill Procedure:** Remove all sources of ignition. Ventilate area. Prevent from entering a watercourse. Use an inert absorbent material and non-sparking type tools.

**Waste Disposal:** Dispose of in accordance with local, state/provincial or territorial, and federal regulations. Do not incinerate closed containers.

**Handling Procedures and Equipment:** Do not use near heat, sparks, or open flame. Use PPE as defined in Section 7.

**Storage Requirements:** Do not store near heat, sparks, flame or above 120° F (49° C).

**Special Shipping Information:** Consumer Commodity ORM-D.

## SECTION 8 - First Aid Measures

**Inhalation:** Remove from exposure, seek medical attention if signs/symptoms persist.

**Ingestion:** Do NOT induce vomiting, drink plenty of water, seek medical attention.

**Skin Contact:** Wash affected area with soap and water, remove contaminated clothing, seek medical attention if irritation persists.

**Eye Contact:** Flush immediately with water for 15 minutes, seek medical attention if irritation persists.

## SECTION 9 - Preparation Information

**Prepared by:** Technical Department

**Telephone Number:** 775-783-3100

**Preparation Date:** 04-23-10

THE INFORMATION CONTAINED HEREIN IS BELIEVED TO BE ACCURATE BUT IS NOT WARRANTED TO BE SO. NOTHING CONTAINED HEREIN CONSTITUTES A SPECIFICATION NOR IS IT INTENDED TO WARRANT SUITABILITY FOR THE INTENDED USE.