

## MATERIAL SAFETY DATA SHEET

1010107  
01 00=====  
Section 1 -- PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER HMIS CODES

1010107

Health 2\*  
Flammability 4  
Reactivity 0

PRODUCT NAME

ACE\* RUST STOP Enamel Safety Colors, Safety Yellow

MANUFACTURER'S NAME

Mfd. for:

ACE HARDWARE CORPORATION

Oak Brook, IL 60521

DATE OF PREPARATION

03-NOV-05

EMERGENCY TELEPHONE NO.

(216) 566-2917

INFORMATION TELEPHONE NO.

(216) 566-2902

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Section 2 -- COMPOSITION/INFORMATION ON INGREDIENTS

% by WT	CAS No.	INGREDIENT	ACGIH	TLV	OSHA	PEL	UNITS	VAPOR PRESSURE
14	74-98-6	Propane						760 mm
			ACGIH	TLV	2500		ppm	
			OSHA	PEL	1000		ppm	
13	106-97-8	Butane						760 mm
			ACGIH	TLV	800		ppm	
			OSHA	PEL	800		ppm	
11	64742-89-8	V. M. & P. Naphtha						12 mm
			ACGIH	TLV	300		ppm	
			OSHA	PEL	300		ppm	
			OSHA	PEL	400		ppm STEL	
2	100-41-4	Ethylbenzene						7.1 mm
			ACGIH	TLV	100		ppm	
			ACGIH	TLV	125		ppm STEL	
			OSHA	PEL	100		ppm	
			OSHA	PEL	125		ppm STEL	
9	1330-20-7	Xylene						5.9 mm
			ACGIH	TLV	100		ppm	
			ACGIH	TLV	150		ppm STEL	
			OSHA	PEL	100		ppm	
			OSHA	PEL	150		ppm STEL	
25	67-64-1	Acetone						180 mm
			ACGIH	TLV	500		ppm	
			ACGIH	TLV	750		ppm STEL	
			OSHA	PEL	1000		ppm	
8	123-86-4	n-Butyl Acetate						10 mm
			ACGIH	TLV	150		ppm	
			ACGIH	TLV	200		ppm STEL	
			OSHA	PEL	150		ppm	
			OSHA	PEL	200		ppm STEL	
2	13463-67-7	Titanium Dioxide						
			ACGIH	TLV	10	mg/m <sup>3</sup>	as Dust	
			OSHA	PEL	10	mg/m <sup>3</sup>	Total Dust	
			OSHA	PEL	5	mg/m <sup>3</sup>	Respirable Fraction	

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0.14

Barium (as Ba; total)

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Section 3 -- HAZARDS IDENTIFICATION

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## ROUTES OF EXPOSURE

INHALATION of vapor or spray mist.

EYE or SKIN contact with the product, vapor or spray mist.

## EFFECTS OF OVEREXPOSURE

EYES: Irritation.

SKIN: Prolonged or repeated exposure may cause irritation.

INHALATION: Irritation of the upper respiratory system.

May cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death.

## SIGNS AND SYMPTOMS OF OVEREXPOSURE

Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists.

Redness and itching or burning sensation may indicate eye or excessive skin exposure.

## MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

None generally recognized.

## CANCER INFORMATION

For complete discussion of toxicology data refer to Section 11.

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Section 4 -- FIRST AID MEASURES

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EYES: Flush eyes with large amounts of water for 15 minutes.  
Get medical attention.SKIN: Wash affected area thoroughly with soap and water.  
Remove contaminated clothing and launder before re-use.INHALATION: If affected, remove from exposure. Restore breathing.  
Keep warm and quiet.INGESTION: Do not induce vomiting.  
Get medical attention immediately.

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Section 5 -- FIRE FIGHTING MEASURES

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FLASH POINT                   LEL                   UEL  
Propellant < 0 F               0.9               12.8

## EXTINGUISHING MEDIA

Carbon Dioxide, Dry Chemical, Foam

## UNUSUAL FIRE AND EXPLOSION HAZARDS

Containers may explode when exposed to extreme heat.

Application to hot surfaces requires special precautions.

During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

## SPECIAL FIRE FIGHTING PROCEDURES

Full protective equipment including self-contained breathing apparatus should be used.

Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

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## Section 6 -- ACCIDENTAL RELEASE MEASURES

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### STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Remove all sources of ignition. Ventilate the area.  
Remove with inert absorbent.

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## Section 7 -- HANDLING AND STORAGE

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### STORAGE CATEGORY

Not Available

### PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

Keep away from heat, sparks, and open flame. Vapors will accumulate readily and may ignite explosively.

During use and until all vapors are gone: Keep area ventilated - Do not smoke - Extinguish all flames, pilot lights, and heaters - Turn off stoves, electric tools and appliances, and any other sources of ignition.

Consult NFPA Code. Use approved Bonding and Grounding procedures.

Contents under pressure. Do not puncture, incinerate, or expose to temperature above 120F. Heat from sunlight, radiators, stoves, hot water, and other heat sources could cause container to burst. Do not take internally. Keep out of the reach of children.

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## Section 8 -- EXPOSURE CONTROLS/PERSONAL PROTECTION

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### PRECAUTIONS TO BE TAKEN IN USE

Use only with adequate ventilation.

Avoid contact with skin and eyes. Avoid breathing vapor and spray mist.

Wash hands after using.

This coating may contain materials classified as nuisance particulates (listed "as Dust" in Section 2) which may be present at hazardous levels only during sanding or abrading of the dried film. If no specific dusts are listed in Section 2, the applicable limits for nuisance dusts are ACGIH TLV 10 mg/m<sup>3</sup> (total dust), 3 mg/m<sup>3</sup> (respirable fraction), OSHA PEL 15 mg/m<sup>3</sup> (total dust), 5 mg/m<sup>3</sup> (respirable fraction).

Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For more information, call the National Lead Information Center at 1-800-424-LEAD (in US) or contact your local health authority.

### VENTILATION

Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section 2 is maintained below applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

### RESPIRATORY PROTECTION

If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section 2.

When sanding, wirebrushing, abrading, burning or welding the dried film, wear a particulate respirator approved by NIOSH/MSHA for protection against non-volatile materials in Section 2.

**PROTECTIVE GLOVES**

None required for normal application of aerosol products where minimal skin contact is expected. For long or repeated contact, wear chemical resistant gloves.

**EYE PROTECTION**

Wear safety spectacles with unperforated sideshields.

**OTHER PRECAUTIONS**

Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

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**Section 9 -- PHYSICAL AND CHEMICAL PROPERTIES**

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PRODUCT WEIGHT	6.25	lb/gal	748 g/l
SPECIFIC GRAVITY	0.75		
BOILING POINT	<0 - 325 F	<-18 - 162 C	
MELTING POINT	Not Available		
VOLATILE VOLUME	89 %		
EVAPORATION RATE	Faster than ether		
VAPOR DENSITY	Heavier than air		
SOLUBILITY IN WATER	N.A.		
pH	7.0		
VOLATILE ORGANIC COMPOUNDS (VOC Theoretical)			
Volatile Weight 57.80 %	Less Water and Federally Exempt Solvents		

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**Section 10 -- STABILITY AND REACTIVITY**

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**STABILITY -- Stable****CONDITIONS TO AVOID**

None known.

**INCOMPATIBILITY**

None known.

**HAZARDOUS DECOMPOSITION PRODUCTS**

By fire: Carbon Dioxide, Carbon Monoxide, Oxides of Metals in Section 2

**HAZARDOUS POLYMERIZATION**

Will not occur

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**Section 11 -- TOXICOLOGICAL INFORMATION**

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**CHRONIC HEALTH HAZARDS**

Ethylbenzene is classified by IARC as possibly carcinogenic to humans (2B) based on inadequate evidence in humans and sufficient evidence in laboratory animals. Lifetime inhalation exposure of rats and mice to high ethylbenzene concentrations resulted in increases in certain types of cancer, including kidney tumors in rats and lung and liver tumors in mice. These effects were not observed in animals exposed to lower concentrations. There is no evidence that ethylbenzene causes cancer in humans.

Prolonged overexposure to solvent ingredients in Section 2 may cause adverse effects to the liver, urinary, blood forming and reproductive systems.

Rats exposed to titanium dioxide dust at 250 mg./m<sup>3</sup> developed lung cancer, however, such exposure levels are not attainable in the workplace.

Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

## TOXICOLOGY DATA

CAS No.	Ingredient Name					
74-98-6	Propane	LC50 LD50	RAT RAT	4HR	Not Available Not Available	
106-97-8	Butane	LC50 LD50	RAT RAT	4HR	Not Available Not Available	
64742-89-8	V. M. & P. Naphtha	LC50 LD50	RAT RAT	4HR	Not Available Not Available	
100-41-4	Ethylbenzene	LC50 LD50	RAT RAT	4HR	Not Available 3500 mg/kg	
1330-20-7	Xylene	LC50 LD50	RAT RAT	4HR	5000 ppm 4300 mg/kg	
67-64-1	Acetone	LC50 LD50	RAT RAT	4HR	Not Available 5800 mg/kg	
123-86-4	n-Butyl Acetate	LC50 LD50	RAT RAT	4HR	2000 ppm 13100 mg/kg	
13463-67-7	Titanium Dioxide	LC50 LD50	RAT RAT	4HR	Not Available Not Available	

## Section 12 -- ECOLOGICAL INFORMATION

## ECOTOXICOLOGICAL INFORMATION

No data available.

## Section 13 -- DISPOSAL CONSIDERATIONS

## WASTE DISPOSAL METHOD

Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261.

Waste must be tested for ignitability and extractability to determine the applicable EPA hazardous waste numbers.

Do not incinerate. Depressurize container. Dispose of in accordance with Federal, State/Provincial, and Local regulations regarding pollution.

## Section 14 -- TRANSPORT INFORMATION

No data available.

## Section 15 -- REGULATORY INFORMATION

## SARA 313 (40 CFR 372.65C) SUPPLIER NOTIFICATION

CAS No.	CHEMICAL/COMPOUND	% by WT	% Element
100-41-4	Ethylbenzene	2	
1330-20-7	Xylene	9	

## CALIFORNIA PROPOSITION 65

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

## TSCA CERTIFICATION

All chemicals in this product are listed, or are exempt from listing, on the TSCA Inventory.

## Section 16 -- OTHER INFORMATION

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

The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.