

PRODUCT NAME: METAL PARTS CLEANER
PRODUCT CODE: #15-AEROSOL
PREPARED FOR: 1ST AYD CORP.

HMS CODES: H F R P
 2*4 0

===== **SECTION I - MANUFACTURER IDENTIFICATION** =====



Distributed by:

1st Ayd Corporation
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Emergency Response Number:
 1-800-255-3924

===== **SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION** =====

REPORTABLE COMPONENTS	CAS NUMBER	VAPOR PRESSURE mm Hg @ TEMP	WEIGHT PERCENT
* PERCHLOROETHYLENE OSHA PEL: 100 PPM, ACGIH TLV: 25 PPM, : 100 STEL	127-18-4	13 68	97.0
CARBON DIOXIDE OSHA PEL: 10000 PPM, ACGIH TLV: 5000 PPM	124-38-9	38650 60	3

* Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.

===== **SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS** =====

BOILING RANGE: 250 deg F **SPECIFIC GRAVITY (H2O=1):** 1.58
VAPOR DENSITY: HEAVIER THAN AIR **EVAPORATION RATE:** SLOWER THAN ETHER
SOLUBILITY IN WATER: NIL
APPEARANCE AND ODOR: AEROSOL PRODUCT; COLORLESS LIQUID; MILDLY SWEET

===== **SECTION IV - FIRE AND EXPLOSION HAZARD DATA** =====

FLASH POINT: n/a **METHOD USED:** n/a
FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: n/a **UPPER:** n/a
EXTINGUISHING MEDIA: FOAM, ALCOHOL FOAM, CO2, DRY CHEMICAL, WATER FOG

SPECIAL FIREFIGHTING PROCEDURES

WATER MAY BE USED TO COOL CONTAINERS TO PREVENT PRESSURE BUILD-UP AND EXPLOSION WHEN EXPOSED TO EXTREME HEAT. IF WATER IS USED, FOG NOZZLES ARE PREFERRED. WEAR GOGGLES AND SELF-CONTAINED BREATHING APPARATUS.

UNUSUAL FIRE AND EXPLOSION HAZARDS

KEEP CONTAINERS FROM HEAT AND OPEN FLAME. CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT. OVEREXPOSURE TO DECOMPOSITION PRODUCTS MAY CAUSE A HEALTH HAZARD. SYMPTOMS MAY NOT BE READILY APPARENT. OBTAIN MEDICAL ATTENTION.

===== **SECTION V - REACTIVITY DATA** =====

STABILITY: STABLE
CONDITIONS TO AVOID
 APPLICATION TO HOT SURFACES.

INCOMPATIBILITY (MATERIALS TO AVOID)
 UNKNOWN.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

MAY PRODUCE FUMES WHEN HEATED TO DECOMPOSITION. FUMES MAY CONTAIN CARBON MONOXIDE, CHLORINE, AND HYDROGEN CHLORIDE.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

===== **SECTION VI - HEALTH HAZARD DATA** =====

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

RESPIRATORY IRRITATION, HEADACHE, NAUSEA, FATIGUE, DROWSINESS, IMPAIRED CO-ORDINATION.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

SKIN: CONTACT MAY DRY THE SKIN; PROLONGED CONTACT MAY CAUSE IRRITATION. EYES: LIQUID OR VAPOR CAN IRRITATE; PROLONGED CONTACT MAY LEAD TO CORNEAL DAMAGE.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

NOT EASILY ABSORBED. SOLVENT ACTION CAN DRY AND DEBAT THE SKIN CAUSING THE SKIN TO CRACK, LEADING TO DERMATITIS.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

NOT A LIKELY ROUTE OF EXPOSURE. IF SWALLOWED, DO NOT INDUCE VOMITING. SEEK IMMEDIATE MEDICAL ADVICE AND/OR ATTENTION.

HEALTH HAZARDS (ACUTE AND CHRONIC)

ACUTE: EYE IRRITANT. SKIN IRRITANT. NARCOTIC IN HIGH CONCENTRATIONS. CHRONIC: LIVER AND KIDNEY DISEASE. SKIN IRRITATION AND DERMATITIS.

CARCINOGENICITY: NTP CARCINOGEN: Yes IARC MONOGRAPHS: Yes OSHA REGULATED: Yes

THIS PRODUCT CONTAINS A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

ACUTE AND CHRONIC LIVER AND KIDNEY DISEASE, ANEMIA, CORONARY DISEASE OR RHYTHM DISORDERS OF THE HEART.

EMERGENCY AND FIRST AID PROCEDURES

INHALATION: REMOVE TO FRESH AIR. ADMINISTER OXYGEN IF NEEDED. APPLY ARTIFICIAL RESPIRATION IF BREATHING HAS STOPPED. GET MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING; CALL A DOCTOR. IF CONDITIONS REMAIN, GET MEDICAL ATTENTION. SKIN: WIPE OFF WITH TOWEL. WASH WITH SOAP AND WATER. GET MEDICAL ATTENTION IF IRRITATION PERSISTS. EYES: WASH IMMEDIATELY WITH LARGE VOLUMES OF FRESH WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION.

===== **SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE** =====

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

AVOID BREATHING VAPORS. VENTILATE AREA. DIKE AREA TO CONTAIN SPILL. CLEAN UP AREA WITH ABSORBENT MATERIAL AND PLACE IN CLOSED CONTAINERS FOR DISPOSAL.

WASTE DISPOSAL METHOD

DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS. BEFORE ATTEMPTING CLEAN UP, REFER TO OTHER SECTIONS OF THIS MSDS FOR HAZARD CAUTION INFORMATION.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

STORE AND USE IN COOL, DRY, WELL-VENTILATED AREAS. AVOID CONTACT WITH HOT METAL SURFACES. KEEP AWAY FROM EXCESSIVE HEAT OR OPEN FLAME. CONTENTS UNDER PRESSURE. DO NOT PUNCTURE OR INCINERATE CONTAINER OR STORE ABOVE 120 DEGREES F.

OTHER PRECAUTIONS

THE STORAGE OF NON-FLAMMABLE PRODUCTS WITH NON-FLAMMABLE OR FLAMMABLE PRESSURIZING AGENT, IN CARTONS, IS THE SAME AS FOR ORDINARY CANNED GOODS IN CARTONS.

===== **SECTION VIII - CONTROL MEASURES** =====

RESPIRATORY PROTECTION

IN RESTRICTED AREAS, USE APPROVED CHEMICAL/MECHANICAL FILTERS DESIGNED TO REMOVE A COMBINATION OF PARTICLES AND VAPOR. IN CONFINED AREAS, USE APPROVED AIR LINE TYPE RESPIRATOR OR HOOD. SELF-CONTAINED BREATHING APPARATUS IS REQUIRED FOR VAPOR CONCENTRATIONS ABOVE PEL/TLV LIMITS.

VENTILATION

SUFFICIENT TO PREVENT INHALATION OF SOLVENT VAPORS. GENERAL DILUTION AND/OR LOCAL EXHAUST VENTILATION IN VOLUME OR PATTERN TO KEEP PEL/TLV OF MOST HAZARDOUS INGREDIENT BELOW ACCEPTABLE LIMIT AND LEL BELOW STATED LIMIT.

PROTECTIVE GLOVES

SOLVENT RESISTANT REQUIRED FOR PROLONGED OR REPEATED CONTACT.

EYE PROTECTION

SAFETY GLASSES WITH SPLASH GUARDS OR FULL FACE SHIELD.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

SOLVENT RESISTANT APRON.

WORK/HYGIENIC PRACTICES

EYE WASHES AND SAFETY SHOWERS IN THE WORKPLACE ARE RECOMMENDED.

===== SECTION IX - DISCLAIMER =====

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