



**Material Safety  
Data Sheets**

Division of Facilities Services

**DOD Hazardous Material Information (ANSI Format)  
For Cornell University Convenience Only**

**SMILING SAM;PVC CLEANER**

<u>Section 1 - Product and Company Identification</u>	<u>Section 9 - Physical &amp; Chemical Properties</u>
<u>Section 2 - Composition/Information on Ingredients</u>	<u>Section 10 - Stability &amp; Reactivity Data</u>
<u>Section 3 - Hazards Identification Including Emergency Overview</u>	<u>Section 11 - Toxicological Information</u>
<u>Section 4 - First Aid Measures</u>	<u>Section 12 - Ecological Information</u>
<u>Section 5 - Fire Fighting Measures</u>	<u>Section 13 - Disposal Considerations</u>
<u>Section 6 - Accidental Release Measures</u>	<u>Section 14 - MSDS Transport Information</u>
<u>Section 7 - Handling and Storage</u>	<u>Section 15 - Regulatory Information</u>
<u>Section 8 - Exposure Controls &amp; Personal Protection</u>	<u>Section 16 - Other Information</u>

The information in this document is compiled from information maintained by the United States Department of Defense (DOD). Anyone using this information is solely responsible for the accuracy and applicability of this information to a particular use or situation.

Cornell University does not in any way warrant or imply the applicability, viability or use of this information to any person or for use in any situation.

**Section 1 - Product and Company Identification  
SMILING SAM;PVC CLEANER**

**Product Identification:** SMILING SAM;PVC CLEANER

**Date of MSDS:** 01/02/1990 **Technical Review Date:** 06/18/1999

**FSC:** 6850 **NIIN:** 01-278-5628

**Submitter:** D DG

**Status Code:** C

**MFN:** 01

**Article:** N

**Kit Part:** N

**Manufacturer's Information**

**Manufacturer's Name:** RECTORSEAL CORP  
**Post Office Box:** N/K  
**Manufacturer's Address1:** 2830 PRODUCE ROW  
**Manufacturer's Address2:** HOUSTON, TX 77023-5822  
**Manufacturer's Country:** US  
**General Information Telephone:** 713-928-6423  
**Emergency Telephone:** 713-928-6423  
**Emergency Telephone:** 713-928-6423  
**MSDS Preparer's Name:** N/K  
**Proprietary:** N  
**Reviewed:** Y  
**Published:** Y  
**CAGE:** 60150  
**Special Project Code:** N

#### Item Description

**Item Name:** CLEANING COMPOUND,SOLVENT  
**Item Manager:** S9G  
**Specification Number:** N/K  
**Type/Grade/Class:** N/K  
**Unit of Issue:** PT  
**Unit of Issue Quantity:** 0  
**Type of Container:** CAN

#### Contractor Information

**Contractor's Name:** THE RECTORSEAL CORPORATION  
**Contractor's Address1:** 2830 PRODUCE ROW  
**Contractor's Address2:** HOUSTON, TX 77023-5822  
**Contractor's Telephone:** 713-928-6423  
**Contractor's CAGE:** 60150

---

#### Section 2 - Compositon/Information on Ingredients SMILING SAM;PVC CLEANER

---

**Ingredient Name:** METHYL ETHYL KETONE (2-BUTANONE) (MEK) (SARA III)  
**Ingredient CAS Number:** 78-93-3 **Ingredient CAS Code:** M  
**RTECS Number:** EL6475000 **RTECS Code:** M  
**=WT: =WT Code:**  
**=Volume: =Volume Code:**  
**>WT: >WT Code:**  
**>Volume: >Volume Code:**  
**<WT: <WT Code:**  
**<Volume: <Volume Code:**  
**% Low WT: % Low WT Code:**  
**% High WT: % High WT Code:**  
**% Low Volume: % Low Volume Code:**  
**% High Volume: % High Volume Code:**  
**% Text:** 100.0  
**% Enviromental Weight:**  
**Other REC Limits:** NONE SPECIFIED

**OSHA PEL:** 200 PPM/300 STEL **OSHA PEL Code:** M  
**OSHA STEL:** OSHA STEL Code:  
**ACGIH TLV:** 200 PPM/300STEL 9192 **ACGIH TLV Code:** M  
**ACGIH STEL:** N/P **ACGIH STEL Code:**  
**EPA Reporting Quantity:** 5000 LBS  
**DOT Reporting Quantity:** 5000 LBS  
**Ozone Depleting Chemical:** N

**Ingredient Name:** OTHER COMPONENTS (NOT SPECIFIED)  
**Ingredient CAS Number:** **Ingredient CAS Code:** X  
**RTECS Number:** **RTECS Code:** X  
**=WT:** **=WT Code:**  
**=Volume:** **=Volume Code:**  
**>WT:** **>WT Code:**  
**>Volume:** **>Volume Code:**  
**<WT:** **<WT Code:**  
**<Volume:** **<Volume Code:**  
**% Low WT:** **% Low WT Code:**  
**% High WT:** **% High WT Code:**  
**% Low Volume:** **% Low Volume Code:**  
**% High Volume:** **% High Volume Code:**  
**% Text:** N/K  
**% Enviromental Weight:**  
**Other REC Limits:** N/K  
**OSHA PEL:** N/K **OSHA PEL Code:** M  
**OSHA STEL:** OSHA STEL Code:  
**ACGIH TLV:** N/K **ACGIH TLV Code:** M  
**ACGIH STEL:** N/P **ACGIH STEL Code:**  
**EPA Reporting Quantity:**  
**DOT Reporting Quantity:**  
**Ozone Depleting Chemical:**

---

**Section 3 - Hazards Identification, Including Emergency Overview**  
**SMILING SAM;PVC CLEANER**

---

**Health Hazards Acute & Chronic:** ACUTE:IRRITATION OF EYES,SKIN,RESPIRATORY OR G.I.TRACTS;CNS EFFECTS LIKE HEADACHE,DIZZINESS,NAUSEA AND VOMITING. REDNESS OR BURNS OF EYES/SKIN POSSIBLE.CHRONIC:DRYING OF SKIN,DEFATTING OR DERMATITIS,DAMAGE TO LUNGS,EYES,LIVER OR KIDNEYS. .

**Signs & Symptoms of Overexposure:**  
 MAY CAUSE IRRITATION OF EYES,SKIN,RESPIRATORY OR G.I.TRACTS;MAY CAUSE HEADACHE,DIZZINESS,NAUSEA,VOMITING OR GI TRACT DISTURBANCES POSSIBLE.BURNS OR REDNESS OF EYES/CRACKING OR DRYNESS OF SKIN.

**Medical Conditions Aggravated by Exposure:**  
 PERSONS WITH A HISTORY OF AILMENTS OR WITH A PRE-EXISTING DISEASE INVOLVING THE EYES, SKIN, OR RESPIRATORY TRACT MAY BE AT INCREASED RISK FROM EXPOSURE.

**LD50 LC50 Mixture:** N/K

**Route of Entry Indicators:****Inhalation:** YES**Skin:** YES**Ingestion:** YES**Carcinogenicity Indicators****NTP:** NO**IARC:** NO**OSHA:** NO**Carcinogenicity Explanation:** DATA PER MSDS

---

**Section 4 - First Aid Measures**  
**SMILING SAM;PVC CLEANER**

---

**First Aid:**

INHALATION:REMOVE TO FRESH AIR. RESUSCITATE IF NOT BREATHING. GET MEDICAL ATTENTION. EYES:IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR 15 MINUTES HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION. SKIN:REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP AND WATER. IF IRRITATION PERSISTS, GET MEDICAL ADVICE. INGESTION:DO NOT INDUCE VOMITING. GIVE NOTHING BY MOUTH IF UNCONSCIOUS. GET IMMEDIATE MEDICAL ATTENTION.

---

**Section 5 - Fire Fighting Measures**  
**SMILING SAM;PVC CLEANER**

---

**Fire Fighting Procedures:**

WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY. CONTAIN RUNOFF.

**Unusual Fire or Explosion Hazard:**

SERIOUS HAZARDS BECAUSE OF LOW FLASH POINT.

**Extinguishing Media:**

USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL.

**Flash Point:** Flash Point Text: 16.0F,-8.9C

**Autoignition Temperature:**

**Autoignition Temperature Text:** N/K

**Lower Limit(s):** 1.4

**Upper Limit(s):** 11.4

---

**Section 6 - Accidental Release Measures**  
**SMILING SAM;PVC CLEANER**

---

**Spill Release Procedures:**

USE PROPER PERSONAL PROTECTION;CONTAIN FREE MATERIAL IF POSSIBLE;USE SUITABLE INERT ABSORBENT MATERIAL AND RECOVER FOR PROPER DISPOSAL IN AN APPROVED CONTAINER.

---

**Section 7 - Handling and Storage**  
**SMILING SAM;PVC CLEANER**

---

**Handling and Storage Precautions:****Other Precautions:**

---

**Section 8 - Exposure Controls & Personal Protection**  
**SMILING SAM;PVC CLEANER**

---

**Respiratory Protection:**

USE NIOSH/MSHA APPROVED RESPIRATOR AS REQUIRED IF ABOVE PEL/TLV OR SCBA IN AN ENCLOSED AREA.

**Ventilation:**

LOCAL/GENERAL TO MAINTAIN PEL/TLV.

**Protective Gloves:**

NEOPRENE, NITRILE, OR NATURAL RUBBER

**Eye Protection:** SAFETY GOGGLES WITH OPTIONAL FACE SHIELD

**Other Protective Equipment:** EYE WASH STATION AND SAFETY SHOWER, WORK CLOTHING AND APRON AS REQUIRED.

**Work Hygienic Practices:** OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR FOOTWEAR.

**Supplemental Health & Safety Information:** AVOID PROLONGED OR REPEATED EXPOSURE. DO NOT GET ON SKIN OR IN EYES. DO NOT BREATHE VAPORS OR MISTS.

---

**Section 9 - Physical & Chemical Properties**  
**SMILING SAM;PVC CLEANER**

---

HCC: F2

ARC/State License Number: N/R

Net Property Weight for Ammo: N/R

Boiling Point: Boiling Point Text: 176F, 80C

Melting/Freezing Point: Melting/Freezing Text: N/K

Decomposition Point: Decomposition Text: UNKNOWN

Vapor Pressure: 100 Vapor Density: 2.5

Percent Volatile Organic Content:

Specific Gravity: 0.81

Volatile Organic Content Pounds per Gallon:

pH: N/K

Volatile Organic Content Grams per Liter:

Viscosity: N/K

Evaporation Weight and Reference: 2.7(N-BUTYL ACETATE=1)

Solubility in Water: APPRECIABLE

Appearance and Odor: CLEAR LIQUID, PUNGENT ODOR

Percent Volatiles by Volume: N/K

Corrosion Rate: UNKNOWN

---

**Section 10 - Stability & Reactivity Data**  
**SMILING SAM;PVC CLEANER**

---

Stability Indicator: YES

Materials to Avoid:

STRONG OXIDIZERS, CHLORINATED HYDROCARBONS, AMINES, CAUSTICS.

Stability Condition to Avoid:

EXTREMELY HIGH TEMPERATURES

**Hazardous Decomposition Products:**

CARBON MONOXIDE, CARBON DIOXIDE AND OTHER UNIDENTIFIED COMPONENTS.

**Hazardous Polymerization Indicator: NO****Conditions to Avoid Polymerization:**

NOT APPLICABLE

---

**Section 11 - Toxicological Information**  
**SMILING SAM;PVC CLEANER**

---

None Listed

---

**Section 12 - Ecological Information**  
**SMILING SAM;PVC CLEANER**

---

**Ecological Information:**

N/P

---

**Section 13 - Disposal Considerations**  
**SMILING SAM;PVC CLEANER**

---

**Waste Disposal Methods:**

CONSULT LOCAL AUTHORITIES.DISPOSAL MUST BE MADE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS.

---

**Section 14 - MSDS Transport Information**  
**SMILING SAM;PVC CLEANER**

---

**Transport Information:**

N/P

---

**Section 15 - Regulatory Information**  
**SMILING SAM;PVC CLEANER**

---

**SARA Title III Information:**

N/P

**Federal Regulatory Information:**

N/P

**State Regulatory Information:**

N/P

---

**Section 16 - Other Information**  
**SMILING SAM;PVC CLEANER**

---

**Other Information:**

N/P

**Department of Transportation Information****DOT Proper Shipping Name:** ETHYL METHYL KETONE OR METHYL ETHYL KETONE**DOT PSN Code:** FWQ**Symbols:****DOT PSN Modifier:****Hazard Class:** 3**UN ID Number:** UN1193**DOT Packaging Group:** II

**Label:** FLAMMABLE LIQUID  
**Special Provision(s):** T8  
**Packaging Exception:** 1 50  
**Ion Bulk Packaging:** 202  
**Bulk Packaging:** 242  
**Maximum Quantity in Passenger Area:** 5 L  
**Maximum Quantity in Cargo Area:** 60 L  
**Stow in Vessel Requirements:** B  
**Requirements Water/Sp/Other:**

**IMO Detail Information**

**IMO Proper Shipping Name:** METHYL ETHYL KETONE  
**IMO PSN Code:** JYD  
**IMO PSN Modifier:**  
**IMDG Page Number:** 3226  
**UN Number:** 1193  
**UN Hazard Class:** 3.2  
**IMO Packaging Group:** II  
**Subsidiary Risk Label:** -  
**EMS Number:** 3-06  
**Medical First Aid Guide Number:** 300

**IATA Detail Information**

**IATA Proper Shipping Name:** ETHYL METHYL KETONE  
**IATA PSN Code:** LNF  
**IATA PSN Modifier:**  
**IATA UN Id Number:** 1193  
**IATA UN Class:** 3  
**Subsidiary Risk Class:**  
**UN Packaging Group:** II  
**IATA Label:** FLAMMABLE LIQUID  
**Packaging Note for Passengers:** 305  
**Maximum Quantity for Passengers:** 5L  
**Packaging Note for Cargo:** 307  
**Maximum Quantity for Cargo:** 60L  
**Exceptions:**

**AFI Detail Information**

**AFI Proper Shipping Name:** SEE ADDITIONAL DATA FIELD IN HMIS FOR FURTHER INFORMATION  
**AFI Symbols:**  
**AFI PSN Code:** XXX  
**AFI PSN Modifier:**  
**AFI UN Id Number:** N/A  
**AFI Hazard Class:** N/A  
**AFI Packing Group:** N/A  
**AFI Label:**  
**Special Provisions:** N/A  
**Back Pack Reference:** N/A

**HAZCOM Label Information**

**Product Identification:** SMILING SAM;PVC CLEANER  
**CAGE:** 60150  
**Assigned Individual:** N  
**Company Name:** THE RECTORSEAL CORPORATION  
**Company PO Box:**

**Company Street Address1:** 2830 PRODUCE ROW  
**Company Street Address2:** HOUSTON, TX 77023-5822 US  
**Health Emergency Telephone:** 713-928-6423  
**Label Required Indicator:** Y  
**Date Label Reviewed:** 03/07/1991  
**Status Code:** C  
**Manufacturer's Label Number:** N/K  
**Date of Label:** 03/07/1991  
**Year Procured:** N/K  
**Organization Code:** F  
**Chronic Hazard Indicator:** N/P  
**Eye Protection Indicator:** YES  
**Skin Protection Indicator:** YES  
**Respiratory Protection Indicator:** YES  
**Signal Word:** DANGER  
**Health Hazard:** Moderate  
**Contact Hazard:** Moderate  
**Fire Hazard:** Severe  
**Reactivity Hazard:** None

---

8/8/2002 6:03:47 AM