



**Material Safety  
Data Sheets**

Division of Facilities Services

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

**TRI-FLOW LUBRICANT AEROSOL, 32053 20005**

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

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  
TRI-FLOW LUBRICANT AEROSOL, 32053 20005**

**Product Identification:** TRI-FLOW LUBRICANT AEROSOL, 32053 20005  
**Date of MSDS:** 04/01/1997 **Technical Review Date:** 05/20/1998  
**FSC:** 6850 **NIIN:** LIIN: 00N086276  
**Submitter:** N EN  
**Status Code:** C  
**MFN:** 01  
**Article:** N  
**Kit Part:** N

**Manufacturer's Information**

**Manufacturer's Name:** SHERWIN-WILLIAMS CO  
**Manufacturer's Address1:** 31500 SOLON RD  
**Manufacturer's Address2:** SOLON, OH 44139

**Manufacturer's Country:** US  
**General Information Telephone:** 800-832-2541  
**Emergency Telephone:** 216-566-2917  
**Emergency Telephone:** 216-566-2917  
**MSDS Preparer's Name:** JOELE ROWENHORST  
**Proprietary:** N  
**Reviewed:** N  
**Published:** Y  
**CAGE:** DO642  
**Special Project Code:** N

**Contractor Information**

**Contractor's Name:** SHERWIN-WILLIAMS CO THE SPECIALTY DIV.  
**Post Office Box:** 6709  
**Contractor's Address1:** 6830 COCHRAN RD.  
**Contractor's Address2:** SOLON, OH 44139-3908  
**Contractor's Telephone:** 216-292-7400  
**Contractor's CAGE:** DO642

**Contractor Information**

**Contractor's Name:** SHERWIN-WILLIAMS DIVERSIFIED BRANDS, INC.  
**Contractor's Address1:** 26300 FARGO AVENUE  
**Contractor's Address2:** BEDFORD HEIGHTS, OH 44146  
**Contractor's Telephone:** 216-292-7400 OR 216-595-8634  
**Contractor's CAGE:** 09800

**Section 2 - Composition/Information on Ingredients**  
**TRI-FLOW LUBRICANT AEROSOL, 32053 20005**

**Ingredient Name:** ACETIC ACID, PENTYL ESTER; (N-AMYL ACETATE) (CERCLA)  
**Ingredient CAS Number:** 628-63-7 **Ingredient CAS Code:** M  
**RTECS Number:** AJ1925000 **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: 2-3**  
**% Enviromental Weight:**  
**Other REC Limits:** N/K  
**OSHA PEL:** 100 PPM **OSHA PEL Code:** M  
**OSHA STEL:** **OSHA STEL Code:**  
**ACGIH TLV:** 100 PPM **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:** BARIUM SULFONATE; (SULFONIC ACIDS, PETROLEUM, BARIUM SALTS). **LD50:** (ORAL, RAT) 418 MG/KG.

**Ingredient CAS Number: 61790-48-5 Ingredient CAS Code: M**  
**RTECS Number: CR0700000 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: <2**  
**% Enviromental Weight:**  
**Other REC Limits: N/K**  
**OSHA PEL: 0.5 MG/M3 OSHA PEL Code: M**  
**OSHA STEL: OSHA STEL Code:**  
**ACGIH TLV: 0.5 MG/M3 ACGIH TLV Code: M**  
**ACGIH STEL: N/P ACGIH STEL Code:**  
**EPA Reporting Quantity:**  
**DOT Reporting Quantity:**  
**Ozone Depleting Chemical: N**

**Ingredient Name: BUTANE**  
**Ingredient CAS Number: 106-97-8 Ingredient CAS Code: M**  
**RTECS Number: EJ4200000 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: <10**  
**% Enviromental Weight:**  
**Other REC Limits: N/K**  
**OSHA PEL: 800 PPM OSHA PEL Code: M**  
**OSHA STEL: OSHA STEL Code:**  
**ACGIH TLV: 800 PPM ACGIH TLV Code: M**  
**ACGIH STEL: N/P ACGIH STEL Code:**  
**EPA Reporting Quantity:**  
**DOT Reporting Quantity:**  
**Ozone Depleting Chemical: N**

**Ingredient Name: DIPROPYLENE GLYCOL, MONOMETHYL ETHER**  
**Ingredient CAS Number: 34590-94-8 Ingredient CAS Code: M**  
**RTECS Number: JM1575000 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: <5**  
**% Enviromental Weight:**  
**Other REC Limits: N/K**  
**OSHA PEL: 100 PPM, S OSHA PEL Code: M**  
**OSHA STEL: OSHA STEL Code:**  
**ACGIH TLV: 100 PPM; 150 STEL, S ACGIH TLV Code: M**  
**ACGIH STEL: N/P ACGIH STEL Code:**  
**EPA Reporting Quantity:**  
**DOT Reporting Quantity:**  
**Ozone Depleting Chemical: N**

**Ingredient Name: FIRST AID PROC: SEEK MED ATTN IF BRTHG DFCLTY DEVELOPS.**  
**NOTE TO MD: FOR ASSISTANCE W/MED EMERGENCIES CNTCT 216-566-2917.**

**Ingredient CAS Number: Ingredient CAS Code: X**

**RTECS Number: 9999999ZZ 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: N/K**

**% Enviromental Weight:**

**Other REC Limits: N/K**

**OSHA PEL: NOT APPLICABLE OSHA PEL Code: M**

**OSHA STEL: OSHA STEL Code:**

**ACGIH TLV: NOT APPLICABLE ACGIH TLV Code: M**

**ACGIH STEL: N/P ACGIH STEL Code:**

**EPA Reporting Quantity:**

**DOT Reporting Quantity:**

**Ozone Depleting Chemical:**

**Ingredient Name: HNDLG/STOR: TO SUN MAY CAUSE BURSTING. DO NOT EXPOSE TO**  
**HEAT/STORE AT TEMPS >120F(49C). CLOSE CNTNR AFTER EACH (ING 24)**

**Ingredient CAS Number: Ingredient CAS Code: X**

**RTECS Number: 9999999ZZ 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: N/K**

**% Enviromental Weight:**

**Other REC Limits: N/K**

**OSHA PEL: NOT APPLICABLE OSHA PEL Code: M**

**OSHA STEL: OSHA STEL Code:**  
**ACGIH TLV: NOT APPLICABLE ACGIH TLV Code: M**  
**ACGIH STEL: N/P ACGIH STEL Code:**  
**EPA Reporting Quantity:**  
**DOT Reporting Quantity:**  
**Ozone Depleting Chemical:**

**Ingredient Name: HYGIENE PRACT: WORK AREA. LIMIT, TO EXTENT FEASIBLE, SKIN & EYE CONTACT & INHAL OF CHEMICAL PRODUCTS.**

**Ingredient CAS Number: Ingredient CAS Code: X**

**RTECS Number: 999999ZZ 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: N/K**

**% Enviromental Weight:**

**Other REC Limits: N/K**

**OSHA PEL: NOT APPLICABLE OSHA PEL Code: M**

**OSHA STEL: OSHA STEL Code:**

**ACGIH TLV: NOT APPLICABLE ACGIH TLV Code: M**

**ACGIH STEL: N/P ACGIH STEL Code:**

**EPA Reporting Quantity:**

**DOT Reporting Quantity:**

**Ozone Depleting Chemical:**

**Ingredient Name: ING 10: SWELL & ITCH. INHAL OF LG AMTS CAN CAUSE CNS DEPRESS W/DROW, HDCH, LACK OF COORD & SIMPLE ASPHYXIA WITH (ING 12)**

**Ingredient CAS Number: Ingredient CAS Code: X**

**RTECS Number: 999999ZZ 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: N/K**

**% Enviromental Weight:**

**Other REC Limits: N/K**

**OSHA PEL: NOT APPLICABLE OSHA PEL Code: M**

**OSHA STEL: OSHA STEL Code:**

**ACGIH TLV: NOT APPLICABLE ACGIH TLV Code: M**

**ACGIH STEL: N/P ACGIH STEL Code:**

**EPA Reporting Quantity:**

**DOT Reporting Quantity:**

**Ozone Depleting Chemical:**

**Ingredient Name:** ING 11: UNCON & COMA. ISOBUTANE: COLORLESS GAS. INHAL OF VERY LG AMTS CAN CAUSE CNS DEPRESS W/DROW, RAPID, SHALLOW (ING 13)

**Ingredient CAS Number:** **Ingredient CAS Code:** X

**RTECS Number:** 9999999ZZ **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:** N/K

**% Environmental Weight:**

**Other REC Limits:** N/K

**OSHA PEL:** NOT APPLICABLE **OSHA PEL Code:** M

**OSHA STEL:** **OSHA STEL Code:**

**ACGIH TLV:** NOT APPLICABLE **ACGIH TLV Code:** M

**ACGIH STEL:** N/P **ACGIH STEL Code:**

**EPA Reporting Quantity:**

**DOT Reporting Quantity:**

**Ozone Depleting Chemical:**

**Ingredient Name:** ING 12: BRTHG & POTNTL RESP ARREST. SHORT-TERM (3-5 MIN) INHAL OF 100PPM N-AMYL ACETATE VAP CAUSES SLIGHT IRRIT (ING 14)

**Ingredient CAS Number:** **Ingredient CAS Code:** X

**RTECS Number:** 9999999ZZ **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:** N/K

**% Environmental Weight:**

**Other REC Limits:** N/K

**OSHA PEL:** NOT APPLICABLE **OSHA PEL Code:** M

**OSHA STEL:** **OSHA STEL Code:**

**ACGIH TLV:** NOT APPLICABLE **ACGIH TLV Code:** M

**ACGIH STEL:** N/P **ACGIH STEL Code:**

**EPA Reporting Quantity:**

**DOT Reporting Quantity:**

**Ozone Depleting Chemical:**

**Ingredient Name:** ING 13: OF THROAT; INHAL OF 200PPM CAUSED MILD EYE & NOSE IRRIT & SEV THROAT IRRIT. INHAL OF VERY HIGH CONCS MAY (ING 15)

**Ingredient CAS Number:** **Ingredient CAS Code:** X

**RTECS Number:** 9999999ZZ **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: N/K**  
**% Enviromental Weight:**  
**Other REC Limits: N/K**  
**OSHA PEL: NOT APPLICABLE OSHA PEL Code: M**  
**OSHA STEL: OSHA STEL Code:**  
**ACGIH TLV: NOT APPLICABLE ACGIH TLV Code: M**  
**ACGIH STEL: N/P ACGIH STEL Code:**  
**EPA Reporting Quantity:**  
**DOT Reporting Quantity:**  
**Ozone Depleting Chemical:**

**Ingredient Name: ING 14: CAUSE CNS DEPRESS W/DROW, HDCH, CONFUSN, DIZZ & INCOORD. PRLNGD/RPTD SKIN CNTCT MAY CAUSE DRYING W/DERM (ING 16)**

**Ingredient CAS Number: Ingredient CAS Code: X**

**RTECS Number: 999999ZZ 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: N/K**

**% Enviromental Weight:**

**Other REC Limits: N/K**

**OSHA PEL: NOT APPLICABLE OSHA PEL Code: M**

**OSHA STEL: OSHA STEL Code:**

**ACGIH TLV: NOT APPLICABLE ACGIH TLV Code: M**

**ACGIH STEL: N/P ACGIH STEL Code:**

**EPA Reporting Quantity:**

**DOT Reporting Quantity:**

**Ozone Depleting Chemical:**

**Ingredient Name: ING 15:CHARACT W/REDNESS & ITCH. SHORT-TERM INHAL OF 35-75PPM OF DIPROPYLENE GLYCOL MONOMETHYL ETHER PRDCES EYE,(ING 17)**

**Ingredient CAS Number: Ingredient CAS Code: X**

**RTECS Number: 999999ZZ 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: N/K  
 % Environmental Weight:  
 Other REC Limits: N/K  
 OSHA PEL: NOT APPLICABLE OSHA PEL Code: M  
 OSHA STEL: OSHA STEL Code:  
 ACGIH TLV: NOT APPLICABLE ACGIH TLV Code: M  
 ACGIH STEL: N/P ACGIH STEL Code:  
 EPA Reporting Quantity:  
 DOT Reporting Quantity:  
 Ozone Depleting Chemical:

**Ingredient Name:** ING 16: NOSE & THROAT IRRIT; 80-200PPM CONSIDERED INTOLERABLE W/MARKED IRRIT. VERY HIGH CONCS MAY CAUSE CNS (ING 18)

**Ingredient CAS Number:** Ingredient CAS Code: X

**RTECS Number:** 9999999ZZ 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: N/K

% Environmental Weight:

Other REC Limits: N/K

OSHA PEL: NOT APPLICABLE OSHA PEL Code: M

OSHA STEL: OSHA STEL Code:

ACGIH TLV: NOT APPLICABLE ACGIH TLV Code: M

ACGIH STEL: N/P ACGIH STEL Code:

EPA Reporting Quantity:

DOT Reporting Quantity:

Ozone Depleting Chemical:

**Ingredient Name:** ING 17: DEPRESS. LIQ CAN CAUSE MILD, REVERSIBLE EYE IRRIT. SULFONIC ACIDS, PETRO, BARIUM SALTS: SKIN & EYE (ING 19)

**Ingredient CAS Number:** Ingredient CAS Code: X

**RTECS Number:** 9999999ZZ 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: N/K

% Environmental Weight:

Other REC Limits: N/K

OSHA PEL: NOT APPLICABLE OSHA PEL Code: M

OSHA STEL: OSHA STEL Code:

ACGIH TLV: NOT APPLICABLE ACGIH TLV Code: M

ACGIH STEL: N/P ACGIH STEL Code:

**EPA Reporting Quantity:**  
**DOT Reporting Quantity:**  
**Ozone Depleting Chemical:**

**Ingredient Name:** ING 18: CNTCT MAY CAUSE IRRIT W/REDNESS, SWELL & PAIN.  
 VAP/MIST INHAL CAUSE UPPER RESP TRACT IRRIT. MOD TOX BY (ING 20)

**Ingredient CAS Number:** **Ingredient CAS Code:** X

**RTECS Number:** 9999999ZZ **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: N/K**

**% Enviromental Weight:**

**Other REC Limits: N/K**

**OSHA PEL: NOT APPLICABLE OSHA PEL Code: M**

**OSHA STEL: OSHA STEL Code:**

**ACGIH TLV: NOT APPLICABLE ACGIH TLV Code: M**

**ACGIH STEL: N/P ACGIH STEL Code:**

**EPA Reporting Quantity:**

**DOT Reporting Quantity:**

**Ozone Depleting Chemical:**

**Ingredient Name:** ING 19: INGEST; GI TRACT IRRIT W/NAUS & DIARR. FOR MORE  
 TOXICOLOGICAL INFO CONTACT NEHC (FP N).

**Ingredient CAS Number:** **Ingredient CAS Code:** X

**RTECS Number:** 9999999ZZ **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: N/K**

**% Enviromental Weight:**

**Other REC Limits: N/K**

**OSHA PEL: NOT APPLICABLE OSHA PEL Code: M**

**OSHA STEL: OSHA STEL Code:**

**ACGIH TLV: NOT APPLICABLE ACGIH TLV Code: M**

**ACGIH STEL: N/P ACGIH STEL Code:**

**EPA Reporting Quantity:**

**DOT Reporting Quantity:**

**Ozone Depleting Chemical:**

**Ingredient Name:** ING 23: USE. STORE AWAY FROM INCOMPAT MATLS. USE W/PROPER  
 PPE. KEEP CNTNRS TIGHTLY CLOSED AT ALL TIMES.

**Ingredient CAS Number:** **Ingredient CAS Code:** X

**RTECS Number: 9999999ZZ 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: N/K**  
**% Environmental Weight:**  
**Other REC Limits: N/K**  
**OSHA PEL: NOT APPLICABLE OSHA PEL Code: M**  
**OSHA STEL: OSHA STEL Code:**  
**ACGIH TLV: NOT APPLICABLE ACGIH TLV Code: M**  
**ACGIH STEL: N/P ACGIH STEL Code:**  
**EPA Reporting Quantity:**  
**DOT Reporting Quantity:**  
**Ozone Depleting Chemical:**

**Ingredient Name: ING 9: COLORLESS, ODORLESS GAS. SPRAYED DIRECTLY ON SKIN  
 MAY CAUSE FROSTBT. DERMAL CNTCT W/LIQ IRRIT W/REDNESS, (ING 11)**

**Ingredient CAS Number: Ingredient CAS Code: X**  
**RTECS Number: 9999999ZZ 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: N/K**  
**% Environmental Weight:**  
**Other REC Limits: N/K**  
**OSHA PEL: NOT APPLICABLE OSHA PEL Code: M**  
**OSHA STEL: OSHA STEL Code:**  
**ACGIH TLV: NOT APPLICABLE ACGIH TLV Code: M**  
**ACGIH STEL: N/P ACGIH STEL Code:**  
**EPA Reporting Quantity:**  
**DOT Reporting Quantity:**  
**Ozone Depleting Chemical:**

**Ingredient Name: PETROLEUM DISTILLATE; (PETROLEUM DISTILLATES MIXTURE)**  
**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: 65-70  
% Environmental Weight:  
Other REC Limits: N/K  
OSHA PEL: N/K (FP N) OSHA PEL Code: M  
OSHA STEL: OSHA STEL Code:  
ACGIH TLV: N/K (FP N) ACGIH TLV Code: M  
ACGIH STEL: N/P ACGIH STEL Code:  
EPA Reporting Quantity:  
DOT Reporting Quantity:  
Ozone Depleting Chemical:

Ingredient Name: PROPANE  
Ingredient CAS Number: 74-98-6 Ingredient CAS Code: M  
RTECS Number: TX2275000 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: <15  
% Environmental Weight:  
Other REC Limits: N/K  
OSHA PEL: 1000 PPM OSHA PEL Code: M  
OSHA STEL: OSHA STEL Code:  
ACGIH TLV: ASPHYXIAN T AC GIH TLV Code: M  
ACGIH STEL: N/P ACGIH STEL Code:  
EPA Reporting Quantity:  
DOT Reporting Quantity:  
Ozone Depleting Chemical: N

Ingredient Name: PROPANE, 2-METHYL-, (ISOBUTANE)  
Ingredient CAS Number: 75-28-5 Ingredient CAS Code: M  
RTECS Number: TZ4300000 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: <5  
% Environmental Weight:  
Other REC Limits: N/K  
OSHA PEL: N/K (FP N) OSHA PEL Code: M  
OSHA STEL: OSHA STEL Code:  
ACGIH TLV: N/K (FP N) ACGIH TLV Code: M

**ACGIH STEL: N/P ACGIH STEL Code:**  
**EPA Reporting Quantity:**  
**DOT Reporting Quantity:**  
**Ozone Depleting Chemical: N**

**Ingredient Name: SPILL PROC: WATERWAYS. SEE SECTION ON DISPOSAL FOR INFO ON RECOVERED MATL. RQ: N-AMYL ACETATE: 5,000 LBS (2270 KG).**

**Ingredient CAS Number: Ingredient CAS Code: X**  
**RTECS Number: 9999999ZZ 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: N/K**

**% Enviromental Weight:**  
**Other REC Limits: N/K**  
**OSHA PEL: NOT APPLICABLE OSHA PEL Code: M**  
**OSHA STEL: OSHA STEL Code:**  
**ACGIH TLV: NOT APPLICABLE ACGIH TLV Code: M**  
**ACGIH STEL: N/P ACGIH STEL Code:**  
**EPA Reporting Quantity:**  
**DOT Reporting Quantity:**  
**Ozone Depleting Chemical:**

**Ingredient Name: SUPDAT: SWELL & ITCH. INHAL OF LG AMTS CAN CAUSE CNS DEPRESS W/DROW, HDCH, LACK OF COORD & ANESTH EFT. PROPANE: (ING 10)**

**Ingredient CAS Number: Ingredient CAS Code: X**  
**RTECS Number: 9999999ZZ 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: N/K**

**% Enviromental Weight:**  
**Other REC Limits: N/K**  
**OSHA PEL: NOT APPLICABLE OSHA PEL Code: M**  
**OSHA STEL: OSHA STEL Code:**  
**ACGIH TLV: NOT APPLICABLE ACGIH TLV Code: M**  
**ACGIH STEL: N/P ACGIH STEL Code:**  
**EPA Reporting Quantity:**  
**DOT Reporting Quantity:**  
**Ozone Depleting Chemical:**

**Ingredient Name: VOLATILE ORGANIC COMPOUND, COATING (LESS WATER): 377 G/L**  
**Ingredient CAS Number: Ingredient CAS Code: X**

**RTECS Number:** 9999999VO **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: N/K**  
**% Environmental Weight:**  
**Other REC Limits: N/K**  
**OSHA PEL: N/K (FP N) OSHA PEL Code: M**  
**OSHA STEL: OSHA STEL Code:**  
**ACGIH TLV: N/K (FP N) 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**  
**TRI-FLOW LUBRICANT AEROSOL, 32053 20005**

**Health Hazards Acute & Chronic:** ACUTE: LOCAL EFTS: MAY CAUSE SKIN IRRIT. SYSTEMIC EFTS: INGEST MAY CAUSE VOMIT, ABDOM CRAMPING & DIARR. ASPIR OF MATL INTO LUNGS MAY CAUSE CHEM PNEUMIT. ABSORPTION OF LG AMTS THRU INGEST, INHAL OR DER MAL CNTCT MAY CAUSE CNS DEPRESS. CHRONIC: IRRITANT CNTCT DERM. RPTS HAVE ASSOC RPTD & PRLNGD OCCUP (EFTS OF OVEREXP)

**Signs & Symptoms of Overexposure:**

HLTH HAZ:OVEREXP TO SOLVS W/PERM BRAIN & NERVOUS SYS DMG. INTENTIONAL MISUSE BY DELIB CONC & INHAL CONTENTS MAY BE HARMFUL/FATAL. POSS TARGET ORGANS:LUNGS, CNS. PETRO DISTILS MIX: SKIN & EYE CNTCT CAUSE MINIMAL IRRIT W/REDNESS & SWELL. VAPINHAL MAY CAUSE IRRIT TO NOSE & THROAT & NAUS. VERY HIGH CONCS MAY CAUSE(SUPDAT)

**Medical Conditions Aggravated by Exposure:**

PULMONARY DISORDERS, NEUROLOGICAL DISORDERS.

**LD50 LC50 Mixture: LD50: (ORAL) >5 G/KG**

**Route of Entry Indicators:**

**Inhalation: YES**  
**Skin: YES**  
**Ingestion: YES**

**Carcinogenicity Indicators**

**NTP: NO**  
**IARC: NO**  
**OSHA: NO**

**Carcinogenicity Explanation: NOT RELEVANT**

**Section 4 - First Aid Measures**  
**TRI-FLOW LUBRICANT AEROSOL, 32053 20005**

**First Aid:**

EYES:IMMED FLUSH W/PLENTY OF WATER. REMOVE CNTCT LENSES & CONTINUE FLUSHING FOR AT LST 15 MIN. SEEK MED ATTN IF IRRIT DEVELOPS & PERSISTS.  
SKIN:REMOVE CONTAM CLTHG. FLUSH AFFECTED AREA W/WATER THEN WA SH W/MILD SOAP & WATER. SEEK MED ATTN IF IRRIT DEVELOPS & PERSISTS.  
INGEST:IMMED RINSE MOUTH OUT W/PLENTY OF WATER. DO NOT INDUCE VOMIT.  
CALL MD/POIS CTL CTR IMMED. INHAL: REMOVE TO FRESH AIR.(ING 21)

**Section 5 - Fire Fighting Measures****TRI-FLOW LUBRICANT AEROSOL, 32053 20005****Fire Fighting Procedures:**

USE NIOSH APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT (FP N). DO NOT DIRECT A SOLID SPRAY OF WATER AT BURNING POOLS AS SPLATTERING MAY OCCUR.

**Unusual Fire or Explosion Hazard:**

EXTREMELY FLAMMABLE. KEEP AWAY FROM ALL SOURCES OF IGNIT INCL SPKS, HEAT & OPEN FLAME. HAZ COMBUST PRODS: OXIDES OF CARBON, BARIUM COMPOUND, ZINC COMPOUNDS.

**Extinguishing Media:**

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

**Flash Point:** Flash Point Text: -156F,-104C

**Autoignition Temperature:**

Autoignition Temperature Text: N/A

Lower Limit(s): 1.1%

Upper Limit(s): 9.5%

**Section 6 - Accidental Release Measures****TRI-FLOW LUBRICANT AEROSOL, 32053 20005****Spill Release Procedures:**

DO NOT CLEAN UP CHEM SPILLS W/OUT PPE. EXTING/REMOVE ALL IGNIT SOURCES. USE SPK-PROOF EQUIP. COLLECT SPILLED PROD & TRANSFER TO SEALABLE CNTNR FOR REUSE/DISP. RINSE AREA & COLLECT WATER FOR DISP. KEEP WASTE OUT OF SEWERS, WATERSHEDS & (ING22)

**Section 7 - Handling and Storage****TRI-FLOW LUBRICANT AEROSOL, 32053 20005****Handling and Storage Precautions:****Other Precautions:****Section 8 - Exposure Controls & Personal Protection****TRI-FLOW LUBRICANT AEROSOL, 32053 20005****Respiratory Protection:**

IF VENT IS INADEQ, USE OF NIOSH APPRVD AIR PURIFYING RESP MAY BE NECESSARY. SEEK PROFESSIONAL ADVICE PRIOR TO RESP SELECTION & USE. FOLLOW OSHA RESP REGS (29 CFR 1910.134). CONTACT NEHC FOR MORE SPECI FIC INFO (FP N).

**Ventilation:**

ASSURE VENTILATION IS ADEQUATE. USE EXPLOSION PROOF EQUIPMENT. ASSURE THAT ALL ELECTRICAL EQUIPMENT IS GROUNDED.

**Protective Gloves:**

IMPERVIOUS GLOVES (FP N).

**Eye Protection:** ANSI APPRVD CHEM WORKERS GOGGLES (FP N).

**Other Protective Equipment:** ANSI APPRVD EYE WASH & DELUGE SHOWER (FP N). KEEP PROD OFF OF CLTHG & EQUIP. LAUNDER CONTAM CLTHG BEFORE REUSE.

**Work Hygienic Practices:** USE GOOD PERSONAL & INDUS HYGIENE PRACTS. WASH THOROUGHLY AFTER USING PROD. DO NOT EAT, DRINK OR SMOKE IN ANY (ING 25)  
**Supplemental Health & Safety Information:** EFTS OF OVEREXP: CNS DEPRESS INCL DROW, HDCH, CONFUSN, DIZZ & INCOORD: SM INGESTS ARE NON-TOX & PRDCE MINIMAL GI IRRIT. ASPIR INTO LUNGS MAY CAUSE CHEM PNEUMIT W/COUGH, CHOKING, DFCLT BRTHG, PULM EDEM A & HEMORR. BUTANE: COLORLESS GAS. SPRAYED DIRECTLY ON SKIN MAY CAUSE FROSTBT. DERMAL CNTCT MAY CAUSE REDNESS, (ING 9)

**Section 9 - Physical & Chemical Properties**  
**TRI-FLOW LUBRICANT AEROSOL, 32053 20005**

**HCC:**

**NRC/State License Number:**  
**Net Property Weight for Ammo:**  
**Boiling Point:** Boiling Point Text: -44F,-42C  
**Melting/Freezing Point:** Melting/Freezing Text: N/A  
**Decomposition Point:** Decomposition Text: N/K  
**Vapor Pressure:** N/K **Vapor Density:** N/K  
**Percent Volatile Organic Content:**  
**Specific Gravity:** 0.78  
**Volatile Organic Content Pounds per Gallon:**  
**pH:** N/A  
**Volatile Organic Content Grams per Liter:**  
**Viscosity:** N/P  
**Evaporation Weight and Reference:** N/K  
**Solubility in Water:** INSOLUBLE  
**Appearance and Odor:** BROWN GAS; FRUITY ODOR.  
**Percent Volatiles by Volume:** N/K  
**Corrosion Rate:** N/K

**Section 10 - Stability & Reactivity Data**  
**TRI-FLOW LUBRICANT AEROSOL, 32053 20005**

**Stability Indicator:** YES  
**Materials to Avoid:**  
 STRONG OXIDIZING AGENTS.  
**Stability Condition to Avoid:**  
 DO NOT MIX WITH OTHER MATERIALS UNLESS SPECIFIED ON THE LABEL.  
**Hazardous Decomposition Products:**  
 OXIDES OF CARBON, BARIUM COMPOUNDS, ZINC COMPOUNDS (0.84%).  
**Hazardous Polymerization Indicator:** NO  
**Conditions to Avoid Polymerization:**  
 NOT RELEVANT

**Section 11 - Toxicological Information**  
**TRI-FLOW LUBRICANT AEROSOL, 32053 20005**

**Toxicological Information:**  
 N/P

**Section 12 - Ecological Information**  
**TRI-FLOW LUBRICANT AEROSOL, 32053 20005**

**Ecological Information:**  
 N/P

**Section 13 - Disposal Considerations**  
**TRI-FLOW LUBRICANT AEROSOL, 32053 20005**

**Waste Disposal Methods:**  
 CONSULT LOCAL EXPERT FOR ADVICE ON DISPOSAL OF THIS MATERIAL.  
 CHARACTERISTICS OF RECOVERED MATERIAL MAY DIFFER FROM THOSE OF ORIGINAL MATERIAL. ENSURE THAT DISPOSAL IS IN COMPLIANCE WITH LOCAL,

STATE AND FEDERAL REGULATIONS.

**Section 14 - MSDS Transport Information**  
**TRI-FLOW LUBRICANT AEROSOL, 32053 20005**

**Transport Information:**  
 N/P

**Section 15 - Regulatory Information**  
**TRI-FLOW LUBRICANT AEROSOL, 32053 20005**

**SARA Title III Information:**  
 N/P  
**Federal Regulatory Information:**  
 N/P  
**State Regulatory Information:**  
 N/P

**Section 16 - Other Information**  
**TRI-FLOW LUBRICANT AEROSOL, 32053 20005**

**Other Information:**  
 N/P

**HAZCOM Label Information**

**Product Identification:** TRI-FLOW LUBRICANT AEROSOL, 32053 20005  
**CAGE:** DO642  
**Assigned Individual:** Y  
**Company Name:** SHERWIN-WILLIAMS CO THE SPECIALTY DIV.  
**Company PO Box:** 6709  
**Company Street Address1:** 6830 COCHRAN RD.  
**Company Street Address2:** SOLON, OH 44139-3908 NK  
**Health Emergency Telephone:** 216-566-2917  
**Label Required Indicator:** Y  
**Date Label Reviewed:** 05/20/1998  
**Status Code:** C  
**Manufacturer's Label Number:**  
**Date of Label:** 05/20/1998  
**Year Procured:** N/K  
**Organization Code:** M  
**Chronic Hazard Indicator:** Y  
**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

8/9/2002 10:25:20 AM