

Date SDS Printed & Reviewed:  
12/11/15 Last Formula Revision  
Date: 12/04/15  
(A)**SECTION 1: IDENTIFICATION****NCS-100**

Natural Citrus Solvent

OTHER MEANS OF IDENTIFICATION: Part Number 150

RECOMMENDED USE OF THE CHEMICAL: AEROSOL SPRAY

MANUFACTURED FOR:  
DYNACCO INC  
17461 147<sup>TH</sup> Street SE  
Monroe, WA 98272

Information: 360-794-8974

EMERGENCY 24-HOUR TELEPHONE NUMBERS:  
Call CHEMTEL: within USA dial 1-800-255-3924**SECTION 2: HAZARDS IDENTIFICATION**

## HAZARD PICTOGRAMS:



GHS02 Flame, GHS04 Gas Cylinder, GHS07 Exclamation Mark, GHS08 Health Hazard

## CLASSIFICATION OF THE SUBSTANCE OF MIXTURE:

Flammable Aerosols, Category 1  
Gases Under Pressure, Category Compressed Liquid  
Aspiration Hazard, Category 1  
Skin Corrosion/Irritation, Category 2  
Sensitization - Skin, Category 1,1A,1B  
Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 0%

SIGNAL WORD: DANGER

## HAZARD STATEMENTS:

H222 Extremely flammable aerosol.  
H280 Contains gas under pressure; may explode if heated.  
H304 May be fatal if swallowed and enters airways.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.

## PRECAUTIONARY STATEMENTS:

## GENERAL &amp; PREVENTION:

P102 Keep out of reach of children.  
P210 Keep away from heat/sparks/open flames/other ignition sources. No smoking.  
P211 Do not spray on an open flame or other ignition source.  
P251 Pressurized container: Do not pierce or burn, even after use.  
P261 Avoid breathing vapor/spray.  
P264 Wash hands thoroughly after handling.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P280 Wear eye protection.

## RESPONSE:

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.  
P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
P331 Do NOT induce vomiting.  
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
P363 Wash contaminated clothing before reuse.

## STORAGE:

P410+P403 Protect from sunlight. Store in a well-ventilated place.  
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 degrees C/122 degrees F.

## DISPOSAL:

P501 Dispose of contents/container in accordance with local/regional/national regulations.  
[B10] LINE 124 of 'SDS100C' VARIABLE HAS NOT BEEN ASSIGNED A VALUE; ZERO USED!**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

| # | COMPONENT  | CAS#      | % by WT. |
|---|------------|-----------|----------|
| 1 | D-LIMONENE | 5989-27-5 | 80-91    |
| 2 | PROPANE    | 74-98-6   | 10-16    |

CONTINUED --&gt;

# SAFETY DATA SHEET Per OSHA HCS

**PRODUCT IDENTIFIER:**NCS-100  
NATURAL CITRUS SOLVENT

3 N-BUTANE 106-97-8 5-8

**SECTION 4 - FIRST AID MEASURES**

**Inhalation:** If inhaled: Move person to fresh air and keep in comfortable position for breathing.  
If breathing difficulty persists: Get medical advice/attention.

**Skin Contact:** If on skin: Wash with plenty of soap and water. Remove contaminated clothing and wash before reuse. If skin irritation persists: Get medical advice/attention.

**Eye Contact:** If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

**Ingestion:** If swallowed: Immediately call a poison center/doctor. Do NOT induce vomiting unless directed to do so by medical personnel.

**MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:**  
See Section 11: Toxicological Information and effects.

**INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT REQUIRED:**  
Treat symptomatically.

**SECTION 5 - FIRE-FIGHTING MEASURES**

**Suitable Extinguishing Media:** CO2 (Carbon Dioxide), dry chemical, or water fog.

**Unsuitable Extinguishing Media:** Water spray may be unsuitable. However if water is used fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and explosion when exposed to extreme heat.

**Specific Hazards Arising From the Chemical:** Closed containers exposed to heat from fire may build pressure and explode. Products of combustion may include but are not limited to: oxides of carbon.

**Special Protective Equipment and Precautions for Fire-Fighters:** Full protective equipment including self-contained breathing apparatus should be used.

**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

**Personal Precautions:** Use personal protection recommended in Section 8.

**Environmental Precautions:** Prevent contamination of soil/ground, waterways, drains, and sewers.

**Methods of Containment:** Absorb spilled liquid in suitable material.

**Methods for Clean-Up:** Use spark-proof tools to sweep or scrape up, containerize, and dispose of properly.

**Other Information:** Ensure adequate ventilation.

**SECTION 7 - HANDLING AND STORAGE**

**Precautions for Safe Handling:**  
Vapors may ignite explosively. Prevent buildup of vapors. Keep from sparks, heat, flame or other heat sources. Do not smoke. Turn off pilot lights, heaters, electric motors and other sources of ignition during use and until all vapors are gone. Do not puncture or incinerate/burn container. Keep container tightly closed while not in use.

**Conditions for Safe Storage, Including Any Incompatibilities:**  
Store in dry, well-ventilated area and in accordance with federal, state, and local regulations. Do not expose to heat or store at temperatures above 50 degrees C / 122 degrees F. If storing in cold temperatures, allow product to warm to room temperature before use. Keep container tightly closed and away from heat and sunlight when not in use.

**SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION****CONTROL PARAMETERS**

| # | COMPONENT  | ACGIH TLV-STEL | ACGIH TLV-TWA | OSHA PEL-TWA |
|---|------------|----------------|---------------|--------------|
| 1 | D-LIMONENE | N/E            | N/E           | N/E          |
| 2 | PROPANE    | 1800 ppm       | 2500 ppm      | 1000 ppm     |
| 3 | N-BUTANE   | N/E            | 800 ppm       | 800 ppm      |

**APPROPRIATE ENGINEERING CONTROLS:** Provide adequate ventilation to keep air contamination below OSHA permissible exposure limits and ACGIH TLV exposure levels.

**EYE/FACE PROTECTION:** Wear safety glasses with side shields. Have eye wash facilities immediately available.

**SKIN PROTECTION:** Wear chemical resistant gloves if contact is likely.

**RESPIRATORY PROTECTION:** Use NIOSH-approved air-purifying respirator with organic cartridge or canister if exposure cannot be controlled within applicable limits with ventilation.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**PHYSICAL STATE:** Aerosol - Pressurized Liquid

**COLOR:** See product identification

**ODOR:** Solvent Odor

**ODOR THRESHOLD:** No data available

**pH:** No data available

**FREEZING POINT:** Not Established (mixture)

**BOILING POINT:** Not Applicable (pressurized mixture)

**FLASH POINT:** less than -18 degrees C (less than -0.4 degrees F), c.c.

**EVAPORATION RATE:** Faster than ether

**UPPER FLAMMABILITY LIMIT:** Not Established (mixture)

**LOWER FLAMMABILITY LIMIT:** Not Established (mixture)

**VAPOR PRESSURE:** Not Established (pressurized mixture)

**SPECIFIC GRAVITY:** 0.754

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SOLUBILITY (WATER): Negligible  
VOC PERCENT BY WEIGHT: 100  
HAPS PERCENT BY WEIGHT: 0  
MIR NUMBER (EPA AND CA): 3.353

## SECTION 10: STABILITY AND REACTIVITY

**CHEMICAL STABILITY:** Stable under normal conditions.  
**POSSIBILITY OF HAZARDOUS REACTIONS:** Will not occur.  
**CONDITIONS TO AVOID:** Keep away from heat, sparks, and flames.  
**INCOMPATIBLE MATERIALS:** Strong oxidizing agents.  
**HAZARDOUS DECOMPOSITION PRODUCTS:** by fire - Carbon Dioxide and Carbon Monoxide

## SECTION 11: TOXICOLOGICAL INFORMATION

**LIKELY ROUTES OF ENTRY:** Skin contact, Inhalation, Eye contact, Ingestion  
**SIGNS AND SYMPTOMS OF EXPOSURE:**

**Skin Contact:** Signs/symptoms may include localized redness, itching, drying and cracking of skin.  
**Inhalation:** Intentional concentration and inhalation may be harmful or fatal.  
**Eye Contact:** Signs/symptoms may include significant redness, swelling, pain, tearing, cloudy appearance of the cornea, and impaired vision.  
**Ingestion:** Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

### TARGET ORGANS POTENTIALLY AFFECTED BY EXPOSURE:

Central nervous system, kidneys, lungs, liver, eyes, skin, brain, respiratory tract, urinary tract, reproductive system, cardiovascular system

### TOXICOLOGICAL DATA:

| #  | COMPONENT  | LD50 ORAL | LD50 DERMAL | LC50 INHALATION      |
|----|------------|-----------|-------------|----------------------|
| 1. | D-LIMONENE | N/E       | N/E         | 0.1 to 1 mg/L (fish) |
| 2. | PROPANE    | 1000      | 1800        | N/E                  |
| 3. | N-BUTANE   | N/E       | N/E         | N/E                  |

## SECTION 12: ECOLOGICAL INFORMATION

No data available.

## SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of container and its contents in accordance with federal, state, and local regulations.  
Do not puncture, incinerate, or place container in trash compactor.

## SECTION 14: TRANSPORTATION INFORMATION

### GROUND (D.O.T./49 CFR):

**UN I.D. Number:** UN1950 Transport Hazard Class: 2.1 Packing Group: - (not applicable)  
**Proper Shipping Name:** AEROSOLS ("FLAMMABLE" is optional to add after AEROSOLS)  
**Hazard label:** Limited Quantity (LTD QTY) label -- see 49 CFR 172.315  
**Shipping papers format:** UN1950, AEROSOLS, 2.1, LTD QTY (can add "FLAMMABLE" after AEROSOLS)

### AIR (IATA):

**UN I.D. Number:** UN1950 Transport Hazard Class: 2.1 Packing Group: - (not applicable)  
**Proper Shipping Name:** AEROSOLS, FLAMMABLE Packing Instruction: Y203  
**Hazard labels:** LTD QTY label with "Y" in it, and Flammable Gas label  
**Shipping papers format:** UN1950, AEROSOLS, FLAMMABLE, 2.1 (Note LTD QTY not needed on papers)

### WATER (IMDG):

**UN I.D. Number:** UN1950 Transport Hazard Class: 2.1 Packing Group: - (not applicable)  
**Proper Shipping Name:** AEROSOLS Hazard label: LTD QTY label (see IMDG 3.4.5.1)  
**Packing Instruction:** P003,LP02 EmS: F-D,S-U Stowage and Segregation: Category A  
**Shipping papers format:** UN1950, AEROSOLS, 2.1, (-18 C c.c.), LTD QTY

No component of this product is a listed Marine Pollutant (49 CFR 172,101,Appendix B).

## SECTION 15: REGULATORY INFORMATION

### International Chemical Inventory

All components of this product are listed on or exempt from the following inventories:  
TSCA (United States), CEPA/DSL (Canada), AICS (Australia), IECSC (China)

## SECTION 16: OTHER INFORMATION

REVISION DATE: 12/04/15

### HMIS & NFPA Hazard Scale:

0=minimal, 1=slight, 2=moderate, 3=serious, 4=severe  
HMIS(American Coatings Association's Hazardous Material Identification System):  
Health = 2 Flammability = 4 Physical Hazard = 1

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NFPA 704(National Fire Protection Association's Hazard Identification Ratings System):  
Health = 2      Flammability = 4      Instablity = 1

This SDS is based on information believed to be reliable and accurate. Because of changing reporting requirements and other variables it is impossible to guarantee with complete accuracy all the information contained in this document. It is the responsibility of the user to determine proper personal protection based on actual condition of use and to comply with all federal, state, and local laws and regulations.