



MATERIAL SAFETY DATA SHEET
 COMPLIES WITH OSHA'S HAZARD COMMUNICATION STANDARD (29CFR 1910.1200)

HMIS CODES: H - 1* F - 4 R - 2 P - X

===== SECTION 1 - PRODUCT IDENTIFICATION =====

PRODUCT NAME		PRODUCT TYPE: Aerosol Citrus Cleaner	
NCS-100		DOT CLASS Ground ORM-D Consumer Commodity	
MANUFACTURED FOR:		INFORMATION PHONE: 360-794-8974	
DYNACCO, INC.		24-HOUR EMERGENCY: CHEM-TEL (800) 255-3924	
PO BOX 27			
17461 - 147 TH ST. S.E.		DATE PREPARED: March 20, 2004	
MONROE, WA 98272		REVIEW DATE: 09/24/2011	

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

REPORTABLE COMPONENTS	VAPOR PRESSURE CAS NUMBER	WEIGHT mm Hg @ 70°F	PERCENT
d-LIMONENE ACGIH TLV: Not Est. OSHA PEL: Not Est.	5989-27-5	70	
PROPANE ACGIH TLV: 1000 ppm OSHA PEL: 2500 ppm Other: Asphyxiant	74-98-6	3619	70 16
N-BUTANE ACGIH TLV: 1000 ppm OSHA PEL:	106-97-8	Not Est	8
ISOBUTANE ACGIH TLV: 1000 ppm OSHA PEL: Not Est. Other: 800 ppm Asphyxiant	75-28-5	Other: 1900 mg/m ³	5

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

BOILING RANGE: -44 - 310
VOC % BY WEIGHT: 100.
MIR: 3.0666
SPECIFIC GRAVITY: .72
VAPOR DENSITY: Heavier than air.
EVAPORATION RATE: Slow (compared to n-butyl acetate)
SOLUBILITY IN WATER: Appreciable
APPEARANCE AND ODOR: Solvent odor.

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

FLASH POINT: -216 **METHOD USED:** theoretical
FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: 1.9 **UPPER:** 9.5
EXTINGUISHING MEDIA: FOAM, CO2, DRY CHEMICAL, WATER FOG
SPECIAL FIREFIGHTING PROCEDURES:

Evacuate all unnecessary personnel. Use full-protective equipment including self-contained breathing apparatus. Use water spray, preferably fog, to cool closed containers to prevent pressure build-up and possible explosion. Do not allow product or runoff from fire control to enter storm or sanitary sewers, lakes, rivers, streams or waterways.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Contents under pressure. Exposure to heat or prolonged exposure to sun may cause bursting.

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

STABILITY:

Stable

CONDITIONS TO AVOID:

High temperature and humidity, ignition sources and vapor build-up.

INCOMPATIBILITY (MATERIALS TO AVOID):

Strong Oxidizing agents Acids

HAZARDOUS DECOMPOSITION OR BYPRODUCTS:

Carbon Monoxide Carbon Dioxide Acrid Fumes

HAZARDOUS POLYMERIZATION:

Will not occur.

===== **SECTION VI - HEALTH HAZARD DATA AND SYMPTOMS OF EXPOSURE** =====

PRIMARY ROUTE(S) OF EXPOSURE: Inhalation, skin contact.

INHALATION:

Vapors and mists irritate nose, throat and lungs (burning, stinging, coughing). May cause headache, dizziness, nausea, weakness, shortness of breath and loss of coordination. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. Exposure to extremely high vapor concentrations may cause unconsciousness and asphyxiation.

EYE CONTACT:

Contact with liquid or vapors causes severe irritation (redness, watering, itching, stinging, blurred vision).

SKIN CONTACT:

Contact causes severe irritation (dryness, itching, cracking, rash and swelling).

SKIN ABSORPTION:

None known.

SWALLOWING:

CHRONIC EFFECTS FROM LONG TERM EXPOSURE:

Contains ingredients suspected of causing or known to cause damage to:

CARCINOGENICITY:

NTP CARCINOGEN: No IARC MONOGRAPHS: No OSHA REGULATED: No

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

Respiratory tract irritation, nausea, eye disorders, skin disorders, sensitization to chemical substances.

===== **SECTION VII - EMERGENCY AND FIRST AID PROCEDURES** =====

INHALATION:

If affected by breathing odors or vapors, remove to fresh air. Get medical attention if symptoms persist.

EYE CONTACT:
Immediately flush with large amounts of water for at least 15 minutes, while lifting upper and lower eyelids. Get medical attention immediately.

SKIN CONTACT:

Immediately wash with soap and water. Remove contaminated clothing and shoes. Wash or clean thoroughly before reuse. Get medical attention if irritation persists.

SWALLOWING:

In case of accidental ingestion call Poison Control Center (1-800-222-1222) or physician immediately.

OTHER:
Have Material Safety Data Sheet available when calling Poison Control Center (1-800-222-1222) or physician; or when going to the emergency room.

===== **SECTION VIII - SAFE HANDLING AND USE INFORMATION** =====

RESPIRATORY PROTECTION:

Ensure fresh air entry during application and driving. If you experience eye watering, headache or dizziness or if air monitoring demonstrates vapor/mist levels are above applicable limits, wear an appropriate, properly fitted respirator (NIOSH approved) during and after application. Follow respirator manufacturer's instructions for use.

VENTILATION:

USE ONLY WITH ADEQUATE VENTILATION. Open all doors and windows to achieve cross-ventilation, in work and surrounding areas, during and after application until all vapors (fumes) are gone.

HAND PROTECTION:

Wear gloves to avoid skin contact.

EYE PROTECTION:

Wear safety glasses or goggles to protect eyes from splash and spray mists. Note: Contact lenses may contribute to the severity of an eye injury and should not be worn when working with chemical products.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

Wear protective clothing to avoid skin contact with liquid or mists.

WORK/HYGIENIC PRACTICES:

Wash hands after using and before eating, drinking or using tobacco products. Thoroughly clean contaminated clothing and shoes before reuse.

===== SECTION IX - SPILL AND LEAK PROCEDURES =====

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

Eliminate ignition sources and ventilate area. Evacuate unnecessary personnel. Wear full protective equipment. Dike and contain spill with inert material. Transfer liquid to containers for disposal or recovery. Prevent material from entering storm drains or sanitary sewers and open bodies of water.

WASTE DISPOSAL METHOD:

Waste material and empty containers must be disposed of in accordance with all local, state and federal environmental control regulations. Use only approved waste management facilities.

===== SECTION X - SPECIAL PRECAUTIONS =====

KEEP OUT OF REACH OF CHILDREN.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

Keep liquid spray and vapors away from heat, sparks and flame. Turn off or remove all sources of ignition. Use proper methods of ventilation to prevent vapor build-up. Avoid spraying hot surfaces. Avoid breathing vapors, spray mists and sanding or grinding dusts. Avoid contact with eyes and skin. Do not take internally. Use adequate methods of ventilation, respiratory and personal protective equipment. Do not reuse, weld, drill or heat empty containers which may contain explosive vapors. Follow label warnings until thoroughly cleaned or sent for disposal. Do not heat, puncture or incinerate containers. Contents are under pressure and may contain explosive vapors, even when empty. Do not remove or deface label.

OTHER CAUTIONS:

Contents under pressure. Do not store above 120 deg. F (50 deg. C) or permit prolonged exposure to sunlight. Protect containers from damage. Store in buildings or areas designed and protected for storage of aerosols.

===== SECTION XI - DISCLAIMER =====

DISCLAIMER: THE INFORMATION CONTAINED HEREIN HAS BEEN COMPILED FROM SOURCES CONSIDERED TO BE RELIABLE. OUR KNOWLEDGE AND BELIEF ALL INFORMATION IS ACCURATE AND IS PROVIDED IN GOOD FAITH. HOWEVER, NO MADE OR IMPLIED.