

MATERIAL SAFETY DATA SHEETS
FOR COATINGS, RESINS, AND RELATED MATERIALS
(APPROVED BY U.S. DEPARTMENT OF LABOR)

SECTION I (PAGE 1)

Manufacturers Name: THE NOCO COMPANY Emergency Phone No.:
Street Address: 23300 MERCANTILE ROAD DOMESTIC 800/424-9300
City, State, and Zip: CLEVELAND, OH 44122 INT'L/CANADA 202/483-7616

Code Identification:
E-403

Rev. Date: 01/16/92

DATE: 10/07/92

Lab No.: 28002

Products Class: CLEANERS (AEROSOL)
Trade Name: E-403 NOCO BATTERY CLEANER

SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	* PERCENT	* PEL * PPM	* TLV * PPM	* TLV * MG/M3	* CAS * NUMBER
A ISOBUTANE	* 10	* 1000	* 1000	* 1800.00	* 1.8 * 00075-28-5

AEROSOL - CONTENTS UNDER PRESSURE 30 +/- 5 PSIG

Carcinogenicity: THIS PRODUCT IS NOT CONSIDERED TO BE A CARCINOGEN BY THE NATIONAL TOXICOLOGY PROGRAM, THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER, THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION, OR NATIONAL INSTITUTE FOR OCCUPATIONAL SAFETY AND HEALTH.

SARA: Aerosol products are subject to SARA TITLE III Section 312 reporting for Superfund Amendments and Reauthorization Act of 1986 and CFR 40 part 372.

Pursuant to Proposition 65: CERTAIN RAW MATERIALS USED IN MAKING THIS PRODUCT MAY CONTAIN SMALL AMOUNTS OF MATERIALS AS IMPURITIES WHICH ARE REGULATED BY PROPOSITION 65. SEE SECTION IX.

SECTION III - PHYSICAL DATA

Boiling Range: PROPELLANT BELOW 0. OF Vapor Density: HEAVIER THAN AIR
Evaporation Rate FASTER THAN ETHER *PROPELLANTS Percent Volatile Weight per gallon: N.A.
Specific Gravity: N.A. Appearance Odor: CLEANERS
PH: N.A. Vapor Pressure: N.A.
Solubility in Water: N.A. Melting Point: N.A.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

DOT CATEGORY: CONSUMER COMMODITY ORM-D LEL: SEE SECTION II

Flash Point: PROPELLANTS BELOW 20 F (T.O.C.)

Extinguishing Media: CARBON DIOXIDE, DRY CHEMICAL OR FOAM.

Special Fire Fighting Procedures: WATER MAY BE INEFFECTIVE - WATER MAY BE USED TO KEEP FIRE EXPOSED CONTAINERS COOL.

~~Unusual~~ Hazards and Explosion Hazards: DO NOT SPRAY NEAR OPEN FLAME. KEEP AT ROOM TEMPERATURE AS EXPOSURE TO DIRECT SUNLIGHT OR OTHER HEAT MAY CAUSE BURSTING.

SECTION V - HEALTH HAZARD DATA

Threshold Limit Value: (SEE SECTION II HAZARDOUS INGREDIENTS)

Routes of Entry:

- Inhalation: YES
- Skin: YES
- Ingestion: YES

Effects of Overexposure : IN A CONFINED AREA VAPORS IN HIGH CONCENTRATION ARE ANESTHETIC. IRRITANT TO SKIN AND UPPER RESPIRATORY SYSTEM. OVER-EXPOSURE MAY RESULT IN LIGHT-HEADEDNESS, STAGGERING GAIT, GIDDINESS AND POSSIBLE NAUSEA. HARMFUL OR FATAL IF SWALLOWED.

Chronic: REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE, ALSO KIDNEY, AND LIVER DAMAGE.

Medical Conditions Prone to Aggravation by Exposure:
NONE ESTABLISHED.

Emergency and First Aid Procedures:

- Breathing: REMOVE PATIENT TO FRESH AIR.
- Eyes: FLUSH WITH WATER FOR AT LEAST 15 MINUTES.
- Skin: WASH WITH SOAP AND WATER.
- Swallowing: CALL PHYSICIAN IMMEDIATELY. DO NOT INDUCE VOMITING.

SECTION VI - REACTIVITY DATA

Stability: STABLE

Conditions to Avoid: DO NOT STORE ABOVE 120F

Incompatibility: (NONE)

Hazardous Decomposition Products by open flame: CARBON MONOXIDE, CARBON DIOXIDE

Hazardous Polymerization: WILL NOT OCCUR.

SECTION VII - SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled:
REMOVE ALL SOURCES OF IGNITION, VENTILATE AVOID BREATHING VAPORS (SEE SECTION X) AND REMOVE WITH INERT ABSORBENT.

Waste disposal method: DO NOT INCINERATE - DISPOSE IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS REGARDING POLLUTION.

SECTION VIII - SPECIAL PROTECTION INFORMATION

Respiratory Protection: AVOID BREATHING OF VAPOR OR SPRAY MIST (SECTION X)

IF PERSONAL EXPOSURE CANNOT BE CONTROLLED BELOW APPLICABLE LIMITS BY VENTILATION, WEAR A PROPERLY FITTED RESPIRATOR APPROVED BY NIOSH/MSHA FOR PROTECTION AGAINST MATERIALS IN SECTION II

Protective Gloves: RECOMMENDED FOR PROLONGED OR REPEATED CONTACT.

Eye Protection: FOR PROLONGED USE IN CLOSE QUARTERS RECOMMEND SAFETY GLASSES WITH UNPERFORATED SIDESHIELDS.

Ventilation: PROVIDE LOCAL EXHAUST VENTILATION IN VOLUME AND PATTERN TO KEEP TLV OF ALL HAZARDOUS INGREDIENTS IN SECTION II BELOW ACCEPTABLE LIMIT, AND LEL IN SECTION II BELOW STATED LIMIT.

Other Protective Equipment: NONE

SECTION IX - SPECIAL PRECAUTION

Precautions to be taken in handling and storing:

DO NOT STORE ABOVE 120 F KEEP AT ROOM TEMPERATURE AS EXPOSURE TO DIRECT SUNLIGHT OR HEAT MAY CAUSE BURSTING.

Other Precautions:

KEEP AWAY FROM CHILDREN.
DO NOT PUNCTURE OR INCINERATE.
DO NOT SPRAY NEAR FIRE OR OPEN FLAME.

Pursuant to Proposition 65:

PROPOSITION 65 APPLIES TO A LIST OF CHEMICALS NAMED BY THE GOVERNOR OF CALIFORNIA AS CARCINOGENS OR REPRODUCTIVE TOXINS. WARNING REQUIREMENTS FOR SPECIFIC CHEMICALS TAKE EFFECT ONE YEAR AFTER THEY ARE ADDED TO THE GOVERNOR'S LIST. OTHER CHEMICALS ALREADY ADDED TO THE GOVERNOR'S LIST WILL BE REGULATED LATER UNDER PROPOSITION 65.

SECTION X - HAZARDOUS MATERIAL IDENTIFICATION

COMMUNICATION OF PHYSICAL PROPERTY, HEALTH, AND SAFETY INFORMATION IS A KEY FACTOR IN OUR PRODUCT SAFETY PROGRAM. WITH THIS INFORMATION YOU CAN BETTER FULFILL YOUR OBLIGATION TO EDUCATE EXPOSED PERSONNEL IN THE PROPER HANDLING TECHNIQUES REQUIRED TO MAINTAIN SAFETY IN THE WORKPLACE. LISTED IN THIS SECTION IS NPCA-HMIS CLASSIFICATION FOR THIS PRODUCT.

HMIS. CLASSIFICATION CODE

Health: 3 SERIOUS HAZARD
Flammability: 4 SEVERE HAZARD
Reactivity: 0 MINIMAL HAZARD
Personal Protection: D FACE SHIELD, GLOVES, APRON

THE ABOVE INFORMATION PERTAINS TO THIS PRODUCTS AS CURRENTLY FORMULATED, AND IS BASED ON THE INFORMATION AVAILABLE AT THIS TIME. ADDITION OF REDUCERS OR OTHER ADDITIVES TO THIS PRODUCT MAY SUBSTANTIALLY ALTER THE COMPOSITION AND HAZARDS OF THE PRODUCT. SINCE CONDITIONS OF USE ARE OUTSIDE OUR CONTROL. WE MAKE NO WARRANTIES, EXPRESS OR IMPLIED, AND ASSUME NO LIABILITY IN CONNECTION WITH ANY USE OF THIS INFORMATION.