

**Common Name:** PRO-EX CONTRACTORS GRADE LUMBER CRAYONS

**Manufacturer:** LA-CO INDUSTRIES

**SDS Revision Date:** 3/9/2015

**SDS Format:** GHS-US

**Item Number(s):** 8CH12, 8CH13, 8NA70, 9MJE8, 9MJE9, 9WRC1

**Manufacturer Model Number(s):**

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SAFETY DATA SHEET

LA-CO INDUSTRIES, INC.

PRO-EX(R\*) CONTRACTORS GRADE LUMBER CRAYONS

ACCORDING TO FEDERAL REGISTER / VOL. 77, NO. 58 / MONDAY, MARCH 26,  
2012 / RULES AND REGULATIONS

ACCORDING TO CANADIAN HAZARDOUS PRODUCTS REGULATIONS (HPR)

DATE OF ISSUE: 03/09/2015

VERSION: 1.0

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE

AND OF THE COMPANY/UNDERTAKING

1.1. PRODUCT IDENTIFIER:

PRODUCT FORM: MIXTURE



TRADE NAME: PRO-EX(R\*) CONTRACTORS GRADE LUMBER CRAYONS

SYNONYMS:

PRO-EX(R\*) CONTRACTORS GRADE LUMBER CRAYONS - WHITE, YELLOW, RED, BLACK, ORANGE, BLUE, GREEN, PINK, PURPLE

1.2. RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST:

USE OF THE SUBSTANCE/MIXTURE: MARKING.

1.3. DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET:

LA-CO INDUSTRIES, INC.  
1201 PRATT BOULEVARD  
ELK GROVE VILLAGE, IL. 60007-5746

PHONE: (847) 956-7600

FAX: (847) 956-9885

E-MAIL: CUSTOMER\_SERVICE@LACO.COM

1.4. EMERGENCY TELEPHONE NUMBER:

EMERGENCY NUMBER:

24-HOUR EMERGENCY:

CHEMTREC - U.S.: 1-800-424-9300  
INTERNATIONAL: +1-703-527-3887

## SECTION 2: HAZARDS IDENTIFICATION



2.1. CLASSIFICATION OF THE SUBSTANCE OR MIXTURE:

CLASSIFICATION IN ACCORDANCE WITH THE GLOBALLY HARMONIZED STANDARD:  
CARC. 1A H350

FULL TEXT OF H-PHRASES: SEE SECTION 16

2.2 LABEL ELEMENTS:

GHS-US LABELLING:

HAZARD PICTOGRAMS (GHS-US):

GHS08: HEALTH HAZARD

SIGNAL WORD (GHS-US): DANGER

HAZARD STATEMENTS (GHS-US):

H350: MAY CAUSE CANCER

PRECAUTIONARY STATEMENTS (GHS-US):

P201: OBTAIN SPECIAL INSTRUCTIONS BEFORE USE

P202:

DO NOT HANDLE UNTIL ALL SAFETY PRECAUTIONS HAVE BEEN READ AND UNDERSTOOD

P280: WEAR PROTECTIVE GLOVES

P308+P313:

IF EXPOSED OR CONCERNED: GET MEDICAL ADVICE/ATTENTION

P405: STORE LOCKED UP

P501: DISPOSE OF CONTENTS/CONTAINER TO AN APPROVED WASTE DISPOSAL PLANT

2.3. OTHER HAZARDS:

2.4 UNKNOWN ACUTE TOXICITY (GHS-US):

24.42 PERCENT OF THE MIXTURE CONSISTS OF INGREDIENT(S) OF UNKNOWN ACUTE TOXICITY (ORAL)

24.42 PERCENT OF THE MIXTURE CONSISTS OF INGREDIENT(S) OF UNKNOWN ACUTE TOXICITY (DERMAL)

24.42 PERCENT OF THE MIXTURE CONSISTS OF INGREDIENT(S) OF UNKNOWN ACUTE TOXICITY (INHALATION (DUST/MIST))

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS



3.1. SUBSTANCE: NOT APPLICABLE

3.2. MIXTURE:

NAME PRODUCT	IDENTIFIER	% (W/W)	GHS-US CLASSIFICATION
SILICON DIOXIDE (CRISTOBALITE)	(CAS NO):	23.21 WHITE	CARC. 1A, H350
	14808-60-7	14.29 YELLOW, RED	
		16.67 BLACK	
		15.06 ORANGE, BLUE	
		15.67 GREEN	
		12.79 PINK	
		20.93 PURPLE	
CARBON BLACK	(CAS NO):	8.33 BLACK	CARC. 2, H351
	1333-86-4	0 IN OTHERS	
TITANIUM DIOXIDE	(CAS NO):	5.95 WHITE	CARC. 2, H351
	13463-67-7	20.93 PINK	
		0 IN OTHERS	

FULL TEXT OF H-PHRASES: SEE SECTION 16

### SECTION 4: FIRST AID MEASURES



4.1. DESCRIPTION OF FIRST AID MEASURES:

FIRST-AID MEASURES GENERAL:

NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. IF YOU FEEL UNWELL, SEEK MEDICAL ADVICE (SHOW THE LABEL WHERE POSSIBLE).

FIRST-AID MEASURES AFTER INHALATION:

IF INHALED AND IF BREATHING IS DIFFICULT, REMOVE VICTIM TO FRESH AIR AND KEEP AT REST IN A POSITION COMFORTABLE FOR BREATHING. GET MEDICAL ADVICE/ATTENTION.

FIRST-AID MEASURES AFTER SKIN CONTACT: WASH WITH PLENTY OF SOAP AND WATER.

FIRST-AID MEASURES AFTER EYE CONTACT:

IF IN EYES:

RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING.

FIRST-AID MEASURES AFTER INGESTION:

DO NOT INDUCE VOMITING. GET MEDICAL ADVICE/ATTENTION IF YOU FEEL UNWELL.

4.2. MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:

SYMPTOMS/INJURIES AFTER INHALATION: MAY CAUSE CANCER BY INHALATION.

SYMPTOMS/INJURIES AFTER EYE CONTACT:

DIRECT CONTACT WITH THE EYES IS LIKELY TO BE IRRITATING.

4.3. INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

ALL TREATMENTS SHOULD BE BASED ON OBSERVED SIGNS AND SYMPTOMS OF DISTRESS IN THE PATIENT.

## **SECTION 5: FIREFIGHTING MEASURES**



5.1. EXTINGUISHING MEDIA:

SUITABLE EXTINGUISHING MEDIA:

USE EXTINGUISHING MEDIA APPROPRIATE FOR SURROUNDING FIRE.

UNSUITABLE EXTINGUISHING MEDIA: NONE KNOWN.

5.2. SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:

FIRE HAZARD: NO PARTICULAR FIRE OR EXPLOSION HAZARD.

REACTIVITY: NO DANGEROUS REACTIONS KNOWN.

5.3. ADVICE FOR FIREFIGHTERS:

FIREFIGHTING INSTRUCTIONS:

EXERCISE CAUTION WHEN FIGHTING ANY CHEMICAL FIRE. DO NOT ALLOW RUN-OFF FROM FIRE FIGHTING TO ENTER DRAINS OR WATER COURSES.

PROTECTION DURING FIREFIGHTING:

DO NOT ENTER FIRE AREA WITHOUT PROPER PROTECTIVE EQUIPMENT, INCLUDING RESPIRATORY PROTECTION. WEAR FIRE/FLAME RESISTANT/RETARDANT CLOTHING. WEAR A SELF CONTAINED BREATHING APPARATUS.

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**



6.1. PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

GENERAL MEASURES: AVOID CREATING OR SPREADING DUST.

6.1.1. FOR NON-EMERGENCY PERSONNEL:

PROTECTIVE EQUIPMENT:

WHERE EXCESSIVE DUST MAY RESULT, USE APPROVED RESPIRATORY PROTECTION EQUIPMENT.

EMERGENCY PROCEDURES: EVACUATE UNNECESSARY PERSONNEL.

#### 6.1.2. FOR EMERGENCY RESPONDERS:

##### PROTECTIVE EQUIPMENT:

WHERE EXCESSIVE DUST MAY RESULT, USE APPROVED RESPIRATORY PROTECTION EQUIPMENT.

EMERGENCY PROCEDURES: VENTILATE AREA.

#### 6.2. ENVIRONMENTAL PRECAUTIONS:

DO NOT DISCHARGE INTO DRAINS OR THE ENVIRONMENT.

#### 6.3. METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP:

FOR CONTAINMENT: AVOID GENERATING DUST. CONTAIN AND COLLECT AS ANY SOLID.

##### METHODS FOR CLEANING UP:

MINIMIZE GENERATION OF DUST. ON LAND, SWEEP OR SHOVEL INTO SUITABLE CONTAINERS.

#### 6.4. REFERENCE TO OTHER SECTIONS:

SECTION 13: DISPOSAL INFORMATION.

SECTION 7: SAFE HANDLING.

SECTION 8: PERSONAL PROTECTIVE EQUIPMENT.

## **SECTION 7: HANDLING AND STORAGE**



#### 7.1. PRECAUTIONS FOR SAFE HANDLING:

##### PRECAUTIONS FOR SAFE HANDLING:

OBTAIN SPECIAL INSTRUCTIONS BEFORE USE. DO NOT HANDLE UNTIL ALL SAFETY PRECAUTIONS HAVE BEEN READ AND UNDERSTOOD.

##### HYGIENE MEASURES:

WASH HANDS AND OTHER EXPOSED AREAS WITH MILD SOAP AND WATER BEFORE EATING, DRINKING OR SMOKING AND WHEN LEAVING WORK.

#### 7.2. CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:

STORAGE CONDITIONS: STORE IN A DRY, COOL AND WELL-VENTILATED PLACE.

INCOMPATIBLE PRODUCTS: STRONG ACIDS. STRONG OXIDIZERS. STRONG BASES.

#### 7.3. SPECIFIC END USE(S): MARKING.

## **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**



#### 8.1. CONTROL PARAMETERS:

##### PRO-EX(R\*) CONTRACTORS GRADE LUMBER CRAYONS:

ACGIH: NOT APPLICABLE

OSHA: NOT APPLICABLE

##### TITANIUM DIOXIDE (13463-67-7):

##### ACGIH:

ACGIH TWA (MG/M3): 10 MG/M3

##### OSHA:

OSHA PEL (TWA) (MG/M3): 15 MG/M3

##### CANADA (QUEBEC):

VEMP (MG/M3): 10 MG/M3

CANADA (QUEBEC):

NOTATIONS AND REMARKS: (LA POUSSIERE TOTALE), (NOTE1)

SILICON DIOXIDE (CRISTOBALITE) (14808-60-7):

ACGIH:

ACGIH TWA (MG/M3): 0.025 MG/M3

ACGIH:

REMARK (ACGIH): (RESPIRABLE DUST)

OSHA:

OSHA PEL (TWA) (PPM): 250 MPPCF

OSHA:

REMARK (OSHA): (3) SEE TABLE Z-3.

CANADA (QUEBEC):

VEMP (MG/M3): 0.1 MG/M3

CANADA (QUEBEC):

NOTATIONS AND REMARKS: (LA POUSSIERE RESPIRABLE), (C2)

CARBON BLACK (1333-86-4):

ACGIH:

ACGIH TWA (MG/M3): 3.5 MG/M3

ACGIH:

REMARK (ACGIH): BRONCHITIS

OSHA:

OSHA PEL (TWA) (MG/M3): 3.5 MG/M3

CANADA (QUEBEC):

VEMP (MG/M3):

10 MG/M3 (FIBRES DE CARBONE ET DE GRAPHITE; POUSSIERE TOTALE)

5 MG/M3 (FIBRES DE CARBONE ET DE GRAPHITE; POUSSIERE RESPIRABLE)

3.5 MG/M3

## 8.2. EXPOSURE CONTROLS:

APPROPRIATE ENGINEERING CONTROLS:

AVOID DISPERSAL OF DUST IN THE AIR (IE, CLEARING DUST SURFACES WITH COMPRESSED AIR). ENSURE GOOD VENTILATION OF THE WORK STATION.

PERSONAL PROTECTIVE EQUIPMENT: AVOID ALL UNNECESSARY EXPOSURE.

HAND PROTECTION: NONE UNDER NORMAL USE.

EYE PROTECTION:

NO SPECIAL EYE PROTECTION EQUIPMENT RECOMMENDED UNDER NORMAL CONDITIONS OF USE.

IN CASE OF DUST PRODUCTION: PROTECTIVE GOGGLES.

RESPIRATORY PROTECTION:

IN CASE OF INADEQUATE VENTILATION WEAR RESPIRATORY PROTECTION. USE AIR-PURIFYING RESPIRATOR EQUIPPED WITH PARTICULATE FILTERING CARTRIDGES.

OTHER INFORMATION: DO NOT EAT, DRINK OR SMOKE WHEN USING THIS PRODUCT.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES



### 9.1. INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES:

PHYSICAL STATE: SOLID

APPEARANCE: A SOLID CRAYON-LIKE MARKER.

COLOUR: VARIABLE.

ODOUR: WAX LIKE.

ODOUR THRESHOLD: NO DATA AVAILABLE

PH: NO DATA AVAILABLE

RELATIVE EVAPORATION RATE (BUTYL ACETATE=1): NO DATA AVAILABLE

MELTING POINT: 60 - 85 DEG. C

FREEZING POINT: NO DATA AVAILABLE

BOILING POINT: NO DATA AVAILABLE

FLASH POINT: 177 DEG. C

AUTO-IGNITION TEMPERATURE: NO DATA AVAILABLE

DECOMPOSITION TEMPERATURE: NO DATA AVAILABLE

FLAMMABILITY (SOLID, GAS): NO DATA AVAILABLE

VAPOUR PRESSURE: NO DATA AVAILABLE

RELATIVE VAPOUR DENSITY AT 20 DEG. C: NO DATA AVAILABLE

RELATIVE DENSITY: NO DATA AVAILABLE

SOLUBILITY: INSOLUBLE IN WATER.

LOG POW: NO DATA AVAILABLE

LOG KOW: NO DATA AVAILABLE

VISCOSITY, KINEMATIC: NO DATA AVAILABLE

VISCOSITY, DYNAMIC: NO DATA AVAILABLE

EXPLOSIVE PROPERTIES: NO DATA AVAILABLE

OXIDISING PROPERTIES: NO DATA AVAILABLE

EXPLOSIVE LIMITS: NO DATA AVAILABLE

### 9.2. OTHER INFORMATION:

VOC CONTENT: 0%

## SECTION 10: STABILITY AND REACTIVITY



- 10.1. REACTIVITY: NO DANGEROUS REACTIONS KNOWN.
- 10.2. CHEMICAL STABILITY: STABLE UNDER NORMAL CONDITIONS.
- 10.3. POSSIBILITY OF HAZARDOUS REACTIONS:  
HAZARDOUS POLYMERIZATION WILL NOT OCCUR.
- 10.4. CONDITIONS TO AVOID: NONE KNOWN.
- 10.5. INCOMPATIBLE MATERIALS: STRONG ACIDS. STRONG BASES. STRONG OXIDIZERS.
- 10.6. HAZARDOUS DECOMPOSITION PRODUCTS: CARBON DIOXIDE. CARBON MONOXIDE.

## **SECTION 11: TOXICOLOGICAL INFORMATION**



### 11.1. INFORMATION ON TOXICOLOGICAL EFFECTS:

ACUTE TOXICITY: NOT CLASSIFIED

TITANIUM DIOXIDE (13463-67-7):  
LD50 ORAL RAT: >5000 MG/KG  
LC50 INHALATION RAT (MG/L): >6.82 MG/L/4H

CARBON BLACK (1333-86-4):  
LD50 ORAL RAT: >8000 MG/KG  
LC50 INHALATION RAT (MG/L): >4.6 MG/M3 4 H

SKIN CORROSION/IRRITATION: NOT CLASSIFIED

SERIOUS EYE DAMAGE/IRRITATION: NOT CLASSIFIED

RESPIRATORY OR SKIN SENSITISATION: NOT CLASSIFIED

GERM CELL MUTAGENICITY: NOT CLASSIFIED

CARCINOGENICITY: MAY CAUSE CANCER.

TITANIUM DIOXIDE (13463-67-7):  
NOAEL (CHRONIC, ORAL, ANIMAL/MALE, 2 YEARS): 5 MG/KG BODYWEIGHT RAT  
IARC GROUP: 2B - POSSIBLY CARCINOGENIC TO HUMANS, AS DUST

SILICON DIOXIDE (CRISTOBALITE) (14808-60-7):  
IARC GROUP: 1 - CARCINOGENIC TO HUMANS, INHALATION OF DUST

CARBON BLACK (1333-86-4):  
IARC GROUP: 2B - POSSIBLY CARCINOGENIC TO HUMANS, INHALATION OF DUST

NATIONAL TOXICOLOGY PROGRAM (NTP) STATUS:  
NOT LISTED IN CARCINOGENICITY CLASS

REPRODUCTIVE TOXICITY: NOT CLASSIFIED

SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE): NOT CLASSIFIED

SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE): NOT CLASSIFIED

ASPIRATION HAZARD: NOT CLASSIFIED

POTENTIAL ADVERSE HUMAN HEALTH EFFECTS AND SYMPTOMS:



SYMPTOMS/INJURIES AFTER INHALATION: MAY CAUSE CANCER BY INHALATION.

SYMPTOMS/INJURIES AFTER EYE CONTACT:  
DIRECT CONTACT WITH THE EYES IS LIKELY TO BE IRRITATING.

LIKELY ROUTES OF EXPOSURE: SKIN AND EYE CONTACT; INHALATION

## **SECTION 12: ECOLOGICAL INFORMATION**



12.1 TOXICITY: NO ADDITIONAL INFORMATION AVAILABLE

12.2. PERSISTENCE AND DEGRADABILITY:

CARBON BLACK (1333-86-4):  
PERSISTENCE AND DEGRADABILITY: NOT READILY BIODEGRADABLE.

12.3. BIOACCUMULATIVE POTENTIAL: NO ADDITIONAL INFORMATION AVAILABLE

12.4. MOBILITY IN SOIL: NO ADDITIONAL INFORMATION AVAILABLE

12.5. OTHER ADVERSE EFFECTS: NO ADDITIONAL INFORMATION AVAILABLE

## **SECTION 13: DISPOSAL CONSIDERATIONS**



13.1 WASTE TREATMENT METHODS:

WASTE DISPOSAL RECOMMENDATIONS:  
DISPOSE IN A SAFE MANNER IN ACCORDANCE WITH LOCAL/NATIONAL REGULATIONS.

## **SECTION 14: TRANSPORT INFORMATION**



IN ACCORDANCE WITH DOT AND TDG:  
NOT CONSIDERED A DANGEROUS GOOD FOR TRANSPORT REGULATIONS

PROPER SHIPPING NAME (ADR): NOT APPLICABLE

TRANSPORT BY SEA: NO ADDITIONAL INFORMATION AVAILABLE

AIR TRANSPORT: NO ADDITIONAL INFORMATION AVAILABLE

## **SECTION 15: REGULATORY INFORMATION**



15.1. US FEDERAL REGULATIONS:

TITANIUM DIOXIDE (13463-67-7):  
LISTED ON THE UNITED STATES TSCA (TOXIC SUBSTANCES CONTROL ACT) INVENTORY

SILICON DIOXIDE (CRISTOBALITE) (14808-60-7):  
LISTED ON THE UNITED STATES TSCA (TOXIC SUBSTANCES CONTROL ACT) INVENTORY

CARBON BLACK (1333-86-4):  
LISTED ON THE UNITED STATES TSCA (TOXIC SUBSTANCES CONTROL ACT) INVENTORY

15.2. INTERNATIONAL REGULATIONS:

CANADA:

TITANIUM DIOXIDE (13463-67-7):  
LISTED ON THE CANADIAN DSL (DOMESTIC SUBSTANCES LIST) INVENTORY.

SILICON DIOXIDE (CRISTOBALITE) (14808-60-7):  
LISTED ON THE CANADIAN DSL (DOMESTIC SUBSTANCES LIST) INVENTORY.

CARBON BLACK (1333-86-4):  
LISTED ON THE CANADIAN DSL (DOMESTIC SUBSTANCES LIST) INVENTORY.

EU-REGULATIONS:

TITANIUM DIOXIDE (13463-67-7):  
LISTED ON THE EEC INVENTORY EINECS (EUROPEAN INVENTORY OF EXISTING  
COMMERCIAL CHEMICAL SUBSTANCES)

SILICON DIOXIDE (CRISTOBALITE) (14808-60-7):  
LISTED ON THE EEC INVENTORY EINECS (EUROPEAN INVENTORY OF EXISTING  
COMMERCIAL CHEMICAL SUBSTANCES)

CARBON BLACK (1333-86-4):  
LISTED ON THE EEC INVENTORY EINECS (EUROPEAN INVENTORY OF EXISTING  
COMMERCIAL CHEMICAL SUBSTANCES)

NATIONAL REGULATIONS:

PRO-EX(R\*) CONTRACTORS GRADE LUMBER CRAYONS:

ALL COMPONENTS ARE LISTED ON THE EEC INVENTORY EUROPEAN INVENTORY OF  
EXISTING COMMERCIAL CHEMICAL SUBSTANCES (EINECS).

ALL INGREDIENTS ARE LISTED IN THE TOXIC SUBSTANCES CONTROL ACT (TSCA).

ALL INGREDIENTS ARE LISTED ON THE CANADIAN DOMESTIC SUBSTANCES LIST (DSL)  
OR NON-DOMESTIC SUBSTANCES LIST (NDSL).

15.3. US STATE REGULATIONS:

TITANIUM DIOXIDE (13463-67-7):  
U.S. - CALIFORNIA - PROPOSITION 65 - CARCINOGENS LIST: YES  
U.S. - CALIFORNIA - PROPOSITION 65 - DEVELOPMENTAL TOXICITY: NO  
U.S. - CALIFORNIA - PROPOSITION 65 - REPRODUCTIVE TOXICITY - FEMALE: NO  
U.S. - CALIFORNIA - PROPOSITION 65 - REPRODUCTIVE TOXICITY - MALE: NO  
NO SIGNIFICANCE RISK LEVEL (NSRL):

CARBON BLACK (1333-86-4):  
U.S. - CALIFORNIA - PROPOSITION 65 - CARCINOGENS LIST: YES  
U.S. - CALIFORNIA - PROPOSITION 65 - DEVELOPMENTAL TOXICITY: NO  
U.S. - CALIFORNIA - PROPOSITION 65 - REPRODUCTIVE TOXICITY - FEMALE: NO  
U.S. - CALIFORNIA - PROPOSITION 65 - REPRODUCTIVE TOXICITY - MALE: NO  
NO SIGNIFICANCE RISK LEVEL (NSRL):

TITANIUM DIOXIDE (13463-67-7):  
U.S. - MINNESOTA - HAZARDOUS SUBSTANCE LIST  
U.S. - NEW JERSEY - RIGHT TO KNOW HAZARDOUS SUBSTANCE LIST

SILICON DIOXIDE (CRISTOBALITE) (14808-60-7):  
U.S. - NEW JERSEY - RIGHT TO KNOW HAZARDOUS SUBSTANCE LIST

CARBON BLACK (1333-86-4):  
U.S. - NEW JERSEY - RIGHT TO KNOW HAZARDOUS SUBSTANCE LIST

## SECTION 16: OTHER INFORMATION



INDICATION OF CHANGES: ORIGINAL DOCUMENT.

DATA SOURCES: ACGIH 2000.

CANADIAN CENTRE FOR OCCUPATIONAL HEALTH AND SAFETY. ACCESSED AT:  
[HTTP://WWW.CCOHS.CA/OSHANSWERS/LEGISL/WHMIS\\_CLASSIFI.HTML](http://www.ccohs.ca/oshanswers/legisl/whmis_classifi.html).

ESIS (EUROPEAN CHEMICAL SUBSTANCES INFORMATION SYSTEM; ACCESSED AT:  
[HTTP://ESIS.JRC.EC.EUROPA.EU/INDEX.PHP?PGM=CLA](http://esis.jrc.ec.europa.eu/index.php?pgm=cla).

EUROPEAN CHEMICALS AGENCY (ECHA) REGISTERED SUBSTANCES LIST. ACCESSED AT:  
[HTTP://ECHA.EUROPA.EU/](http://echa.europa.eu/). KRISTER FORSBERG AND S.Z. MANSDORF, "QUICK SELECTION GUIDE TO CHEMICAL PROTECTIVE CLOTHING", FIFTH EDITION.

NATIONAL FIRE PROTECTION ASSOCIATION; FIRE PROTECTION GUIDE TO HAZARDOUS MATERIALS; 10TH EDITION.

OSHA 29 CFR 1910.1200 HAZARD COMMUNICATION STANDARD.

REGULATION (EC) NO 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL OF 16 DECEMBER 2008 ON CLASSIFICATION, LABELLING AND PACKAGING OF SUBSTANCES AND MIXTURES, AMENDING AND REPEALING DIRECTIVES 67/548/EEC AND 1999/45/EC, AND AMENDING REGULATION (EC) NO 1907/2006.

TSCA CHEMICAL SUBSTANCE INVENTORY. ACCESSED AT:  
[HTTP://WWW.EPA.GOV/OPPT/EXISTINGCHEMICALS/PUBS/TSCAINVENTORY/HOWTO.HTML](http://www.epa.gov/oppt/existingchemicals/pubs/tscainventory/howto.html).

ABBREVIATIONS AND ACRONYMS:

ACGIH: (AMERICAN CONFERENCE OF GOVERNMENT INDUSTRIAL HYGIENISTS).

ATE: ACUTE TOXICITY ESTIMATE.

CAS: (CHEMICAL ABSTRACTS SERVICE) NUMBER.

CLP: CLASSIFICATION, LABELLING, PACKAGING.

EC50:  
ENVIRONMENTAL CONCENTRATION ASSOCIATED WITH A RESPONSE BY 50% OF THE TEST POPULATION.

GHS:  
GLOBALLY HARMONIZED SYSTEM (OF CLASSIFICATION AND LABELING OF CHEMICALS).

LD50: LETHAL DOSE FOR 50% OF THE TEST POPULATION.

OSHA: OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION.

PBT: PERSISTENT, BIOACCUMULATIVE, TOXIC.

STEL: SHORT TERM EXPOSURE LIMITS.

TSCA: TOXIC SUBSTANCES CONTROL ACT.

TWA: TIME WEIGHT AVERAGE.

OTHER INFORMATION: NONE.

NFPA HEALTH HAZARD 1 - EXPOSURE COULD CAUSE IRRITATION BUT ONLY MINOR

RESIDUAL INJURY EVEN IF NO TREATMENT IS GIVEN.  
NFPA FIRE HAZARD 1 - MUST BE PREHEATED BEFORE IGNITION CAN OCCUR.  
NFPA REACTIVITY 0 - NORMALLY STABLE, EVEN UNDER FIRE EXPOSURE  
CONDITIONS, AND NOT REACTIVE WITH WATER.

FULL TEXT OF H-PHRASES:

CARC. 1A: CARCINOGENICITY, CATEGORY 1A

CARC. 2: CARCINOGENICITY, CATEGORY 2

H350: MAY CAUSE CANCER

H351: SUSPECTED OF CAUSING CANCER

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LACO NA GHS SDS

THIS INFORMATION IS BASED ON OUR CURRENT KNOWLEDGE AND IS INTENDED TO  
DESCRIBE THE PRODUCT FOR THE PURPOSES OF HEALTH, SAFETY AND ENVIRONMENTAL  
REQUIREMENTS ONLY. IT SHOULD NOT THEREFORE BE CONSTRUED AS GUARANTEEING  
ANY SPECIFIC PROPERTY OF THE PRODUCT

EN (ENGLISH)

SDS REF.: LACO1412005