

MATERIAL SAFETY DATA SHEET (MSDS)

MSDS: L3760

This MSDS should be attached or kept with the respective product with which it is associated.

MATERIAL SAFETY DATA SHEET - L3760

MATERIAL SAFETY DATA SHEET

LAMOTTE COMPANY
PO BOX 329
CHESTERTOWN - MARYLAND - 21620

TELEPHONE # FOR INFORMATION: 410-778-3100

24 HOUR EMERGENCY NUMBER (CHEM-TEL): 800-255-3924

1. PRODUCT IDENTIFICATION

AMMONIA #1
CODE NR.: 3978

2. HAZARDOUS INGREDIENTS

Table with columns: NAME, CAS#, TSCA#, %, PEL, TLV. Row: SODIUM HYDROXIDE, 1310-73-2, <5, 2 MG/CUBIC M, 2 MG/CUBIC M

ALL OTHER INGREDIENTS ARE PROPRIETARY NUTSRN 80100291-5038P

3. NON-HAZARDOUS INGREDIENTS

EXCEPT WATER (7732-18-5)

Table with columns: NAME, CAS#, %. Row: SODIUM CITRATE, 6132-04-3, <30

ALL OTHER INGREDIENTS ARE PROPRIETARY NUTSRN 80100291-5038P

WATER >60

4. PHYSICAL DATA

APPEARANCE: CLEAR COLORLESS LIQUID

SOLUBILITY IN WATER: SOLUBLE

ODOR: NONE

BOILING POINT: UNKNOWN

MELT. POINT: UNKNOWN

VAPOR PRESSURE: UNKNOWN

VAPOR DENSITY: UNKNOWN

pH: 13

5. FIRE AND EXPLOSION DATA

FLASH POINT (METHOD USED): N/A

FLAMMABLE LIMIT:

LEL: N/A

UEL: N/A

EXTINGUISHING MEDIA: NOT A FIRE HAZARD

HMS HAZARD:

HEALTH 1

FLAMMABILITY 0

REACTIVITY 0

SCALE:

4 = EXTREME

3 = HIGH

2 = MODERATE

1 = SLIGHT

0 = LEAST

SPECIAL FIRE FIGHTING PROCEDURES: N/A

UNUSUAL FIRE & EXPLOSION HAZARD: N/A

6. REACTIVITY DATA

STABILITY:

(X) STABLE

() UNSTABLE

CONDITIONS TO AVOID: N/A

INCOMPATIBILITY (MATERIALS TO AVOID): N/A

HAZARDOUS DECOMPOSITION PRODUCTS: N/A

7. HEALTH HAZARD DATA

TOXICITY: UNKNOWN

PRIMARY ROUTE OF ENTRY:

- () INHALATION
(X) INGESTION
(X) SKIN
() N/A

CARCINOGENICITY:

(X) NONE

() OSHA

() NTP

() IARC

OTHER HEALTH RELATED COMMENTS:

TARGET ORGANS: N/A

SIGNS AND SYMPTOMS OF EXPOSURE: CAUSES SEVERE EYE AND SKIN IRRITATION. HARMFUL IF SWALLOWED.

MEDICAL CONDITION AGGRAVATED BY EXPOSURE: N/A

8. EMERGENCY FIRST AID PROCEDURES

EYE CONTACT: FLUSH WITH WATER FOR 15 MINUTES. CONSULT PHYSICIAN.

INGESTION: GIVE PLENTY OF WATER. DO NOT INDUCE VOMITING. CONSULT PHYSICIAN.

INHALATION: N/A

SKIN CONTACT:

FLUSH WITH WATER FOR 15 MINUTES. REMOVE AFFECTED CLOTHING AND WASH SKIN WITH SOAP AND WATER.

9. SPILL AND DISPOSAL PROCEDURES

SPILL AND LEAK:

NEUTRALIZE CAREFULLY WITH 6M HCL (DILUTE HYDROCHLORIC ACID) AND FLUSH DOWN DRAIN WITH EXCESS WATER.

DISPOSAL:

NEUTRALIZE AND FLUSH DOWN DRAIN WITH EXCESS WADER. DISPOSE ACCORDING TO FEDERAL, STATE AND LOCAL REGULATIONS.

10. PRECAUTIONARY MEASURES

IN HANDLING:

(X) GLOVES

(X) EYE PROTECTION

() N/A

(X) OTHER: LAB COAT

VENTILATION:

(X) NORMAL

() MECHANICAL

() RESPIRATORY PROTECTION

WORK/HYGIENIC PRACTICES: AVOID CONTACT WITH SKIN OR CLOTHING.

11. SPECIAL PRECAUTIONS

N/A

DATE: 2/1/2000

THE ABOVE INFORMATION IS BELIEVED TO BE CORRECT BUT DOES NOT CLAIM TO BE ALL INCLUSIVE AND SHOULD BE USED ONLY AS A GUIDE.

+ THIS IS A TOXIC CHEMICAL SUBJECT TO REPORTING REQUIREMENTS OF SECTION 313 OF EPCRA AND 40 CFR 372.

MATERIAL SAFETY DATA SHEET

LAMOTTE COMPANY
PO BOX 329
CHESTERTOWN - MARYLAND - 21620

TELEPHONE # FOR INFORMATION: 410-778-3100

24 HOUR EMERGENCY NUMBER (CHEM-TEL): 800-255-3924

1. PRODUCT IDENTIFICATION

SALICYLATE #2

CODE NR.: 7457

2. HAZARDOUS INGREDIENTS

Table with columns: NAME, CAS#, TSCA#, %, PEL, TLV. Row: + SODIUM NITROFERRICYANIDE, DIHYDRATE, 13755-38-9, 6, 5 MG/CUBIC M AS CN, 5 MG/CUBIC M AS CN

3. NON-HAZARDOUS INGREDIENTS

EXCEPT WATER (7732-18-5)

Table with columns: NAME, CAS#, %. Row: SODIUM CITRATE, 6132-04-3, 94

4. PHYSICAL DATA

APPEARANCE: PALE ORANGE POWDER
SOLUBILITY IN WATER: SOLUBLE
ODOR: NONE
BOILING POINT: N/A
MELT. POINT: UNKNOWN
VAPOR PRESSURE: N/A
VAPOR DENSITY: N/A
pH: 8.7 (0.1 GRAM IN 10 ML WATER)

5. FIRE AND EXPLOSION DATA

FLASH POINT (METHOD USED): N/A
FLAMMABLE LIMIT:
LEL: N/A
UEL: N/A
EXTINGUISHING MEDIA: NOT A FIRE HAZARD
HMIS HAZARD:
HEALTH 2
FLAMMABILITY 0
REACTIVITY 0

SCALE:
4 = EXTREME
3 = HIGH
2 = MODERATE
1 = SLIGHT
0 = LEAST

SPECIAL FIRE FIGHTING PROCEDURES:
FIREFIGHTERS WEAR SELF-CONTAINED BREATHING APPARATUS

UNUSUAL FIRE & EXPLOSION HAZARD:
MAY EMIT ACRID SMOKE AND TOXIC FUMES UNDER FIRE CONDITIONS.

6. REACTIVITY DATA

STABILITY:
(X) STABLE
() UNSTABLE

CONDITIONS TO AVOID: HEAT, MOISTURE

INCOMPATIBILITY (MATERIALS TO AVOID): STRONG ACIDS

HAZARDOUS DECOMPOSITION PRODUCTS: NOx, COx, HYDROGEN CYANIDE GAS

7. HEALTH HAZARD DATA

TOXICITY:
ORL RAT LD50: 99 MG/KG FOR SODIUM NITROFERRICYANIDE. HIGHLY TOXIC.

PRIMARY ROUTE OF ENTRY:
(X) INHALATION
(X) INGESTION
(X) SKIN
() N/A

CARCINOGENICITY:
(X) NONE
() OSHA
() NTP
() IARC

OTHER HEALTH RELATED COMMENTS:
SODIUM NITROFERRICYANIDE IS A TERATOGEN (FETAL DAMAGE) IN ANIMAL TESTS.

TARGET ORGANS: GASTRO-INTESTINAL SYSTEM, LUNGS, RESPIRATORY SYSTEM

SIGNS AND SYMPTOMS OF EXPOSURE:
HARMFUL IF SWALLOWED, INHALED OR ABSORBED THROUGH SKIN. MAY CAUSE HEADACHE, VOMITING, CONVULSIONS.

MEDICAL CONDITION AGGRAVATED BY EXPOSURE: N/A

8. EMERGENCY FIRST AID PROCEDURES

EYE CONTACT:
IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES. CONSULT PHYSICIAN.

INGESTION:
RINSE OUT MOUTH. INDUCE VOMITING. CALL A PHYSICIAN IMMEDIATELY.
PROMPT TREATMENT IS ESSENTIAL.

INHALATION:
MOVE TO FRESH AIR. IF BREATHING DIFFICULTY OR SIGNS OF CYANOSIS APPEAR (BLUE LIPS & SKIN), GIVE OXYGEN & CALL DOCTOR

SKIN CONTACT:
IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES. REMOVE AFFECTED CLOTHING AND WASH SKIN WITH SOAP AND WATER.

9. SPILL AND DISPOSAL PROCEDURES

SPILL AND LEAK:
AVOID RAISING/BREATHING DUST CAREFULLY SWEEP UP AND PLACE IN CLEAN, DRY, CONTAINER WITH LID. HOLD FOR DISPOSAL AS HAZARDOUS WASTE.

DISPOSAL: DISPOSE ACCORDING TO FEDERAL, STATE AND LOCAL REGULATIONS.

10. PRECAUTIONARY MEASURES

IN HANDLING:
(X) GLOVES
(X) EYE PROTECTION

() N/A
(X) OTHER: LAB COAT

VENTILATION:
() NORMAL
(X) MECHANICAL
() RESPIRATORY PROTECTION

WORK/HYGIENIC PRACTICES:
AVOID CONTACT WITH SKIN & CLOTHING. AVOID CONTACT W/ACIDS AS THIS LIBERATES POISONOUS CYANIDE GAS.

11. SPECIAL PRECAUTIONS

USE ADEQUATE VENTILATION. AVOID BREATHING DUST. DO NOT STORE NEAR ACIDS.

DATE: 12/30/98

THE ABOVE INFORMATION IS BELIEVED TO BE CORRECT BUT DOES NOT CLAIM TO BE ALL INCLUSIVE AND SHOULD BE USED ONLY AS A GUIDE.

+ THIS IS A TOXIC CHEMICAL SUBJECT TO REPORTING REQUIREMENTS OF SECTION 313 OF EPCRA AND 40 CFR 372.

MATERIAL SAFETY DATA SHEET

LAMOTTE COMPANY
PO BOX 329
CHESTERTOWN - MARYLAND - 21620

TELEPHONE # FOR INFORMATION: 410-778-3100

24 HOUR EMERGENCY NUMBER (CHEM-TEL): 800-255-3924

1. PRODUCT IDENTIFICATION

SALICYLATE #3

CODE NR.: 7458

2. HAZARDOUS INGREDIENTS

NAME	CAS #	TSCA #	%	PEL	TLV
DICHLOROISOCYANURIC ACID, SODIUM SALT	2893-78-9		5	N/E	N/E

3. NON-HAZARDOUS INGREDIENTS

EXCEPT WATER (7732-18-5)

NAME	CAS#	%
SODIUM CITRATE	6132-04-3	95

4. PHYSICAL DATA

APPEARANCE: WHITE CRYSTALLINE POWDER

SOLUBILITY IN WATER: SOLUBLE

ODOR: SLIGHT CHLORINE ODOR

BOILING POINT: N/A

MELT. POINT: UNKNOWN

VAPOR PRESSURE: N/A

VAPOR DENSITY: N/A

pH: 7.8 (0.1G IN 10 ML WATER)

5. FIRE AND EXPLOSION DATA

FLASH POINT (METHOD USED): N/A

FLAMMABLE LIMIT:
LEL: N/A
UEL: N/A

EXTINGUISHING MEDIA: NOT A FIRE HAZARD

HMIS HAZARD:
HEALTH 2
FLAMMABILITY 0
REACTIVITY 0

SCALE:
4 = EXTREME
3 = HIGH
2 = MODERATE
1 = SLIGHT
0 = LEAST

SPECIAL FIRE FIGHTING PROCEDURES:
FIREFIGHTERS WEAR SELF-CONTAINED BREATHING APPARATUS

UNUSUAL FIRE & EXPLOSION HAZARD: EMITS TOXIC FUMES UNDER FIRE CONDITIONS.

6. REACTIVITY DATA

STABILITY:
(X) STABLE
() UNSTABLE

CONDITIONS TO AVOID: HEAT, MOISTURE

INCOMPATIBILITY (MATERIALS TO AVOID): STRONG OXIDIZERS AND BASES

HAZARDOUS DECOMPOSITION PRODUCTS: COx, NOx, HYDROGEN CHLORIDE GAS

7. HEALTH HAZARD DATA

TOXICITY: UNKNOWN

PRIMARY ROUTE OF ENTRY:

- INHALATION
- INGESTION
- SKIN
- N/A

CARCINOGENICITY:

- NONE
- OSHA
- NTP
- IARC

OTHER HEALTH RELATED COMMENTS:

TARGET ORGANS: N/A

SIGNS AND SYMPTOMS OF EXPOSURE:

HARMFUL IF SWALLOWED, INHALED OR ABSORBED THROUGH SKIN. IRRITATING TO EYES, SKIN AND RESPIRATORY TRACT. INHALATION CAUSES SNEEZING, COUGHING, HEADACHE.

MEDICAL CONDITION AGGRAVATED BY EXPOSURE: N/A

8. EMERGENCY FIRST AID PROCEDURES

EYE CONTACT: FLUSH WITH WATER FOR 15 MINUTES.

INGESTION: DRINK PLENTY OF WATER. CONSULT A PHYSICIAN.

INHALATION: REMOVE TO FRESH AIR.

SKIN CONTACT: FLUSH SKIN WITH WATER. WASH WITH SOAP AND WATER.

9. SPILL AND DISPOSAL PROCEDURES

SPILL AND LEAK:

AVOID RAISING OR BREATHING DUST. SWEEP UP, DISSOLVE IN WATER. WASH DOWN DRAIN WITH EXCESS WATER.

DISPOSAL:

DISSOLVE AND WASH DOWN DRAIN WITH EXCESS WATER. DISPOSE ACCORDING TO FEDERAL, STATE AND LOCAL REGULATIONS.

10. PRECAUTIONARY MEASURES

IN HANDLING:

- GLOVES
- EYE PROTECTION
- N/A
- OTHER: LAB COAT

VENTILATION:

- NORMAL
- MECHANICAL
- RESPIRATORY PROTECTION

WORK/HYGIENIC PRACTICES: WASH AFTER HANDLING.

11. SPECIAL PRECAUTIONS

AVOID BREATHING DUST. AVOID CONTACT WITH EYES, SKIN, AND CLOTHING.

DATE: 12/30/98

THE ABOVE INFORMATION IS BELIEVED TO BE CORRECT BUT DOES NOT CLAIM TO BE ALL INCLUSIVE AND SHOULD BE USED ONLY AS A GUIDE.

+ THIS IS A TOXIC CHEMICAL SUBJECT TO REPORTING REQUIREMENTS OF SECTION 313 OF EPCRA AND 40 CFR 372.