MATERIAL SAFETY DATA SHEET

PRODUCT

909/7609

KN Reagent

ODV INCORPORATED

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SECTION 1 – IDENTIFICATION

Name
ODV, Inc.

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Telephone Number
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For Additional Information Contact:
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Date Prepared
May 1, 1993

Common name (used on Label) 909/7609 KN Reagent

Trade name & Synonyms
NarcoPouch®
Narcotest®

Chemical Family
Does Not Apply

Chemical Name
Does Not Apply

Formula

SECTION 2 – HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENT
Trichloroethylene: 1st ampoule
Fast Blue B salt: 1st ampoule
Sodium Hydroxide aqueous sol.: 2nd ampoule (cap)

CAS #
79-01-5
14263-94-6
1310-73-2

% (wt)
>99
0.3%
10%

TLV
200 mg/m³
No TVL
2 mg/m³

PEL
264 mg/m³
No PEL
2 mg/m³

PEL: Permissible Exposure Limit established by the Occupational Safety and Health Administration
TLV: Threshold limit Value established by the American Conference of Governmental Industrial Hygienists, 1987-88.

SECTION 3 – PHYSICAL DATA

BOILING POINT
87°C (Trichloroethylene)

SPECIFIC GRAVITY (H₂O = 1)
2.13 (NaOH) 1.45 (Trichloro.)

VAPOR PRESSURE (mm Hg)
NA (NaOH) 100 @ 22°C (Trichloroethylene)

PERCENT VOLATILE BY VOLUME
100% (Trichloroethylene)

VAPOR DENSITY (AIR = 1)
4.53 (Trichloroethylene)

EVAPORATION RATE
less than 1 (Trichloroethylene)

SOLUBILITY IN WATER
100% (NaOH), 0.1% (Trichloroethylene)

REACTIVITY IN WATER
None

APPEARANCE AND ODOR
Yellow to greenish particles in clear liquid 1st ampoule (Trichloroethylene + fast Blue B), colorless liquid NaOH 2nd ampoule.

SECTION 4 – FIRE AND EXPLOSION DATA

FLASH POINT
NA

FLAMMABLE LIMITS IN AIR (% By Volume)
LOWER: 90%
UPPER: 12.5

EXTINGUISHING MEDIA
CO₂ dry chemical

AUTO IGNITION TEMPERATURE
410°C (Trichloroethylene)

UNUSUAL FIRE AND EXPLOSION HAZARDS
When heated to decomposition, trichloroethylene emits toxic fumes of chlorides.

SPECIAL FIRE FIGHTING PROCEDURES
Firefighters should wear proper protective equipment and self-contained breathing apparatus with full facepiece operated in positive pressure mode.
SECTION 5 - HEALTH INFORMATION

PRIMARY ROUTES OF EXPOSURE  Inhalation, Contact with eyes or skin, ingestion.

SIGNS AND SYMPTOMS OF EXPOSURE
(1) ACUTE OVEREXPOSURE - Irritation of eyes, nose and throat. Splashes in the eyes or on the skin of caustics will cause severe skin burns. Inhalation of vapors may irritate mucous membranes and respiratory tract.

(2) CHRONIC OVEREXPOSURE - Repeated or prolonged exposure to dilute solutions of base may cause irritation of the skin.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE
Impaired pulmonary function, pre-existing eye problems, pre-existing skin disorders may be aggravated by exposure.

CHEMICAL/COMPONENT LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN
Fast Blue B Salt (uncertain no studies done)

NTP □ Yes ☒ No IARC ☒ Yes ☒ No OSHA □ Yes ☒ No

OTHER EXPOSURE LIMITS  Not known

EMERGENCY & FIRST AID PROCEDURES
If Trichloroethylene is swallowed, if conscious, induce vomiting and repeat until fluid is clear. In cases of eye contact (any component), flush with water at least 15 minutes. For skin contact, flood with tap water. Call a physician. If 10% NaOH is swallowed dilute with several glasses of water or milk and induce vomiting.

SECTION 6 - REACTIVITY DATA

STABILITY  Unstable ☐ Stable ☒

CONDITIONS TO AVOID  May burn but does not ignite readily (trichloroethylene).

INCOMPATIBILITY (MATERIALS TO AVOID)
Strong oxidizers NaOH.

HAZARDOUS DECOMPOSITION PRODUCTS
Trichloroethylene may decompose to toxic fumes of phosgene in contact with certain metals or high temperatures.

HAZARDOUS POLYMERIZATION
May occur ☐ Will not occur ☒

CONDITIONS TO AVOID
Avoid contact with powdered metals or very strong alkali with trichloroethylene.

SECTION 7 - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS LEAKED OR SPILLED
Minor spill: cover with vermiculite to absorb. Add water if necessary to form slurry. Trichloroethylene: eliminate all sources of ignition.

WASTE DISPOSAL METHOD
Dispose of wastes in accordance with Federal, State, and Local codes.

SECTION 8 - PERSONAL PROTECTION INFORMATION

RESPIRATORY PROTECTION  Respiratory protection is not required under normal uses (non fire and spill conditions).

VENTILATION  Room ventilation is expected to be adequate except during spills or fires.

PROTECTIVE GLOVES  Required when the potential of contact exists. EYE PROTECTION  Required when the potential of contact exists.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT  An eye wash fountain and safety shower should be readily available where the potential for eye contact with the reagent exists.

SECTION 9 - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING  Store and handle according to packaged instructions. Store in cool, well ventilated area. Keep away from reactive materials and away from fire hazard.

OTHER PRECAUTIONS  Do not get in eyes, on skin, or on clothing. Avoid breathing vapor. Wash thoroughly after handling. Be prepared to neutralize caustics.

The above information is believed to be correct, but does not purport to be all inclusive and shall be used only as a guide. ODV, Inc. shall not be held liable for any damage resulting from handling or from contact with the above product.