1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: 460-S0260 SOLN Special Indicator (M Indicator), Form Liquid
APPLICATION: INDICATOR LIQUID

COMPANY IDENTIFICATION: Nalco Canada Co.
1055 Truman Street
Burlington, Ontario
L7R 3Y9

EMERGENCY TELEPHONE NUMBER(S): (800)463-3216 (24 Hours)

NFPA 704M/HMIS RATING
HEALTH: 1 / 2  FLAMMABILITY: 3 / 3  INSTABILITY: 0 / 0  OTHER: 0 = Insignificant  1 = Slight  2 = Moderate  3 = High  4 = Extreme

2. COMPOSITION/INFORMATION ON INGREDIENTS

Our hazard evaluation has identified the following chemical substance(s) as hazardous.

<table>
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<th>Hazardous Substance(s)</th>
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<td>Isopropanol</td>
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<td>Methanol</td>
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3. HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW**

WARNING
Flammable. Irritating to eyes and skin. Contains methanol. Methanol may cause central nervous system effects or permanent vision damage if inhaled, swallowed or absorbed through the skin in large amounts. Do not get in eyes, on skin, on clothing. Do not take internally. Avoid breathing vapor. Use with adequate ventilation. Keep container tightly closed. Keep away from heat. Keep away from sources of ignition - No smoking. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, wash immediately with plenty of water. Wear suitable protective clothing, gloves and eye/face protection. May evolve oxides of carbon (COx) under fire conditions. Flammable Liquid; may release vapors that form flammable mixtures at or above the flash point. Empty product containers may contain product residue. Do not pressurize, cut, heat, weld, or expose containers to flame or other sources of ignition.

HUMAN HEALTH HAZARDS - ACUTE:

EYE CONTACT:
Can cause moderate irritation.

SKIN CONTACT:
Can cause moderate irritation. Methanol may be absorbed through the skin and cause central nervous system effects which may result in permanent visual changes including blindness.
INGESTION:
Not a likely route of exposure. There may be irritation to the gastro-intestinal tract with nausea and vomiting. Can cause blindness.

INHALATION:
Repeated or prolonged exposure may irritate the respiratory tract.

HUMAN HEALTH HAZARDS - CHRONIC:
No adverse effects expected other than those mentioned above.

4. FIRST AID MEASURES

EYE CONTACT:
Immediately flush eye with water for at least 15 minutes while holding eyelids open. If irritation persists, repeat flushing. Get immediate medical attention.

SKIN CONTACT:
Immediately flush with plenty of water for at least 15 minutes. If symptoms persist, call a physician.

INGESTION:
Do not induce vomiting without medical advice. If conscious, washout mouth and give water to drink. If reflexive vomiting occurs, rinse mouth and repeat administration of water. Get medical attention.

INHALATION:
Remove to fresh air, treat symptomatically. Get medical attention.

NOTE TO PHYSICIAN:
Based on the individual reactions of the patient, the physician's judgement should be used to control symptoms and clinical condition.

5. FIRE FIGHTING MEASURES

Flash Point: 12 °C (TCC)

LOWER EXPLOSION LIMIT: 2.0 V%

UPPER EXPLOSION LIMIT: 12 V%

EXTINGUISHING MEDIA:
Alcohol foam, Carbon dioxide, Dry powder, Other extinguishing agent suitable for Class B fires

FIRE AND EXPLOSION HAZARD:
May evolve oxides of carbon (COx) under fire conditions. Flammable Liquid; may release vapors that form flammable mixtures at or above the flash point. Empty product containers may contain product residue. Do not pressurize, cut, heat, weld, or expose containers to flame or other sources of ignition.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE FIGHTING:
In case of fire, wear a full face positive-pressure self contained breathing apparatus and protective suit.
SENSITIVITY TO MECHANICAL IMPACT:
Not expected to be sensitive to mechanical impact.

SENSITIVITY TO STATIC DISCHARGE:
Vapors in the flammable range may be ignited by a static discharge.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:
Restrict access to area as appropriate until clean-up operations are complete. Ensure clean-up is conducted by trained personnel only. Ventilate spill area if possible. Do not touch spilled material. Remove sources of ignition. Stop or reduce any leaks if it is safe to do so. Use personal protective equipment recommended in Section 8 (Exposure Controls/Personal Protection). Notify appropriate government, occupational health and safety and environmental authorities.

METHODS FOR CLEANING UP:
SMALL SPILLS: Soak up spill with absorbent material. Place residues in a suitable, covered, properly labeled container. Wash affected area. Wash site of spillage thoroughly with water.

ENVIRONMENTAL PRECAUTIONS:
Prevent material from entering sewers or waterways.

7. HANDLING AND STORAGE

HANDLING:
Avoid eye and skin contact. Do not take internally. Do not breathe vapors/gases/dust. Do not get in eyes, on skin, on clothing. Have emergency equipment (for fires, spills, leaks, etc.) readily available. Ensure all containers are labelled. Keep the containers closed when not in use. Use with adequate ventilation. Do not use in locations where vapor is likely to travel to welding flames or arcs or to other hot surfaces. Vapors are much heavier than air, this can result in uneven distribution.

STORAGE CONDITIONS:
Store the containers tightly closed. Store in suitable labelled containers. Store away from heat and sources of ignition. Store separately from oxidizers. Have appropriate fire extinguishers available in and near the storage area. Connections must be grounded to avoid electrical charges.

8. EXPOSURE CONTROLS/PERSO

OCCUPATIONAL EXPOSURE LIMITS:
Exposure guidelines have not been established for this product. Available exposure limits for the substance(s) are shown below.

ACGIH/TLV:
Substance(s)                  TWA: 400 ppm , 983 mg/m3
Isopropanol                   STEL: 500 ppm , 1,230 mg/m3
Methanol                     TWA: 200 ppm , 262 mg/m3 (Skin)
MATERIAL SAFETY DATA SHEET

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STEL: 250 ppm , 328 mg/m3  (Skin)

OSHA/PEL :
Substance(s)
    Isopropanol  TWA: 400 ppm , 980 mg/m3  
           STEL: 500 ppm , 1,225 mg/m3 
    Methanol    TWA: 200 ppm , 260 mg/m3  (Skin) 
           STEL: 250 ppm , 325 mg/m3  (Skin)

ENGINEERING MEASURES :
General ventilation is recommended.

RESPIRATORY PROTECTION : 
Respiratory protection is not normally needed. If significant mists, vapors or aerosols are generated an approved respirator is recommended. An organic vapor cartridge with dust/mist prefilter or supplied air may be used.

HAND PROTECTION : 
PVC gloves, Neoprene gloves

SKIN PROTECTION : 
Wear standard protective clothing.

EYE PROTECTION : 
Wear chemical splash goggles.

HYGIENE RECOMMENDATIONS :
If clothing is contaminated, remove clothing and thoroughly wash the affected area. Launder contaminated clothing before reuse. Keep an eye wash fountain available. Keep a safety shower available.

HUMAN EXPOSURE CHARACTERIZATION :
Based on our recommended product application and personal protective equipment, the potential human exposure is: Low

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE      Liquid
APPEARANCE           Orange  Amber  Clear
ODOR                 Alcoholic
SPECIFIC GRAVITY    0.79  @  16 °C
SOLUBILITY IN WATER Complete
BOILING POINT       82 °C

Note: These physical properties are typical values for this product and are subject to change.
10. STABILITY AND REACTIVITY

STABILITY:
Stable under normal conditions.

HAZARDOUS POLYMERIZATION:
Hazardous polymerization will not occur.

CONDITIONS TO AVOID:
Heat and sources of ignition including static discharges.

MATERIALS TO AVOID:
Contact with strong oxidizers (e.g. chlorine, peroxides, chromates, nitric acid, perchlorate, concentrated oxygen, permanganate) may generate heat, fires, explosions and/or toxic vapors.

HAZARDOUS DECOMPOSITION PRODUCTS:
Under fire conditions: Oxides of carbon

11. TOXICOLOGICAL INFORMATION

The following results are for the hazardous components.

ACUTE ORAL TOXICITY:
Species  LD50  Test Descriptor
Rat  > 5,000 mg/kg  Product (Isopropanol)
Rating: Non-Hazardous

ACUTE DERMAL TOXICITY:
Species  LD50  Test Descriptor
Rabbit  13,000 mg/kg  Product (Isopropanol)
Rating: Non-Hazardous

ACUTE INHALATION TOXICITY:
Species  LC50  Exposure  Test Descriptor
Rat  39.26 mg/l  Product (Isopropanol)
Rating: Non-Hazardous

SENSITIZATION:
This product is not expected to be a sensitizer.

CARCINOGENICITY:
None of the substances in this product are listed as carcinogens by the International Agency for Research on Cancer (IARC), the National Toxicology Program (NTP) or the American Conference of Governmental Industrial Hygienists (ACGIH).

HUMAN HAZARD CHARACTERIZATION:
Based on our hazard characterization, the potential human hazard is: High
12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL EFFECTS:
No toxicity studies have been conducted on this product.

ENVIRONMENTAL HAZARD AND EXPOSURE CHARACTERIZATION
Based on our hazard characterization, the potential environmental hazard is: Low
Based on our recommended product application and the product's characteristics, the potential environmental exposure is: Low

13. DISPOSAL CONSIDERATIONS

Dispose of wastes in an approved incinerator or waste treatment/disposal site, in accordance with all applicable regulations. Do not dispose of wastes in local sewer or with normal garbage.

14. TRANSPORT INFORMATION

The information in this section is for reference only and should not take the place of a shipping paper (bill of lading) specific to an order. Please note that the proper Shipping Name / Hazard Class may vary by packaging, properties, and mode of transportation. Typical Proper Shipping Names for this product are as follows.

FLAMMABLE LIQUID, N.O.S. (ISOPROPANOL, METHANOL), Class 3, UN1993, PG II

15. REGULATORY INFORMATION

NATIONAL REGULATIONS, CANADA:

WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS):
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS CLASSIFICATION:
B2 - Flammable Liquids, D2B - Materials Causing Other Toxic Effects - Toxic Material

CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA):
The substances in this preparation are listed on the Domestic Substances List (DSL), are exempt, or have been reported in accordance with the New Substances Notification Regulations.

NATIONAL POLLUTANT RELEASE INVENTORY (NPRI):
This product contains the following substance(s) listed in Schedule I of the NPRI at the level(s) shown:

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NATIONAL REGULATIONS, USA:

TOXIC SUBSTANCES CONTROL ACT (TSCA):
The substances in this preparation are included on or exempted from the TSCA 8(b) Inventory (40 CFR 710)

16. OTHER INFORMATION

Due to our commitment to Product Stewardship, we have evaluated the human and environmental hazards and exposures of this product. Based on our recommended use of this product, we have characterized the product's general risk. This information should provide assistance for your own risk management practices. We have evaluated our product's risk as follows:

* The human risk is: Low

* The environmental risk is: Low

Any use inconsistent with our recommendations may affect the risk characterization. Our sales representative will assist you to determine if your product application is consistent with our recommendations. Together we can implement an appropriate risk management process.

This product material safety data sheet provides health and safety information. The product is to be used in applications consistent with our product literature. Individuals handling this product should be informed of the recommended safety precautions and should have access to this information. For any other uses, exposures should be evaluated so that appropriate handling practices and training programs can be established to insure safe workplace operations. Please consult your local sales representative for any further information.

Prepared By: SHE Department
Date issued: 2004/02/29
Version Number: 4.0