



DUR-A-FLEX
INNOVATION FROM THE FLOOR UP

95 Goodwin Street, East Hartford, CT., 06108 (860) 528-9838

HAZARD RATING

Health

0 = Least

1 = Slight

2 = Moderate

3 = High

4 = Extreme

Flammability

Reactivity

2

0

0

COMMON NAME

Compound cleaning liquid, n.o.s.²

Personal Protection

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SECTION II - PRODUCT COMPONENTS

CAS.# OSHA PEL ACGIH TLV

Sodium Silicate 1344-09-8/9 NE¹ NE

¹None Established

No reportable elements under Section 313 of the Superfund Amendments and Reauthorization Act.

²n.o.s - not otherwise specified

T.S.C.A. Status - O.K. on all components

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point

Vapor Pressure (mm Hg)

Vapor Density (AIR = 1)

Solubility in Water

Completely

Appearance and Odor Blue liquid nonspecific scent

Flash Point (Closed Cup Method)

Extinguishing Media

Water spray, alcohol foam, CO2

102oC

Non-volatile

Non-volatile

Specific Gravity (H2O = 1)

Melting Point

Evaporation rate (Butyl Acetate = 1)

Volatile Organic Compounds (VOC)= Zero grams/liter

Flammable Limits LEL UEL N/A N/A

1.06

N/A

Non-volatile

SECTION IV - FIRE and EXPLOSION HAZARD DATA

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N/A

Special Firefighting Procedures

Use NIOSH/MSHA approved self-contained breathing apparatus in areas where this material is involved in a fire. This product is nonflammable.

Unusual Fire and Explosion Hazards

Protective clothing for skin and eye protection should be worn to protect against highly alkaline chemicals.

SECTION V - REACTIVITY DATA



Stability

Unstable

Stable

X

Conditions to Avoid

None Known.

Incompatibility (Materials to Avoid)

Do not mix with acidic products.

Hazardous Decomposition or Byproducts

N/A



May Occur



Hazardous

Conditions to Avoid

SECTION VI - HEALTH HAZARD DATA
Route(s) of Entry: Inhalation? Skin? Ingestion?
Yes YES YES

Signs and Symptoms of Exposure

Burning eyes, redness of skin.

Health Hazards (Acute and Chronic)

Acute: Burns skin, eye (possible permanent corneal damage), mucous membranes of the

respiratory tract, mouth, throat, esophagus and stomach. Chronic: Local effect may consist of multiple areas of superficial destruction of the

skin or of primary irritant dermatitis. This product has a low vapor pressure at room temperature and is not expected to present a significant

Inhalation hazard under ambient conditions. This product, however, can be irritating to the respiratory tract if inhaled as a mist or if the material is vaporized. Dermal contact is expected to be the primary route of exposure to this product. This product is considered corrosive to the eyes and skin.

Carcinogenicity: NTP? IARC Monographs? OSHA Regulated?

NO NO NO

Medical Conditions Generally Aggravated by Exposure

Sensitive skin

Emergency and First Aid Procedures

Eyes: Object is to flush material out immediately then seek medical attention. Immediately flush eyes with large amounts of water for at least fifteen minutes holding lids apart to ensure flushing of the entire

surface. Washing eyes within one minute is essential to achieve maximum effectiveness. Seek medical attention immediately. Skin: Wash with plenty of water for fifteen minutes. Remove contaminated clothing and wash before reuse. Seek medical attention

if symptoms are present. Ingestion: Never give anything by mouth to an unconscious person. If swallowed, do not induce vomiting. Give large quantities of water. If available, give several glasses of milk. If vomiting occurs spontaneously, keep airway clear. Seek medical attention immediately.

SECTION VII - CONTROL MEASURES

Respiratory Protection (Specify Type)

Where required use only NIOSH/MSHA approved respirator following manufacturers recommendation where mist or spray of concentrate may be generated.

Ventilation Local Exhaust Special
 Mechanical

Protective Gloves See below Eye Protection Chemical splash goggles and face shield

Other Protective Clothing or Equipment

Gloves coated with rubber, synthetic elastomers, PVC, or other impervious material should be worn when handling this product to minimize skin contact.

Standard work clothes should be worn. Wash soiled clothing in soap and water and dry before reuse.

Work/Hygienic Practices

Eyewash facilities should be accessible.

SECTION VIII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be Taken in Case Material is Released or Spilled

Using appropriate protection (impervious gloves, coveralls, boots, goggles, etc.) contain spill. Remove as much as possible and reuse is possible. Neutralize remaining traces with dilute mineral acids to a pH of 6 – 8.

Waste Disposal Method

Due to widespread variance in disposal regulations, consult federal, state, and local regulatory agencies for proper disposal of this product.

Precautions to be Taken in Handling and Storing

Good industrial hygiene practices should be adhered to when handling and storing this product.

Avoid contact with undiluted product.

Other Precautions

Do not transfer to unmarked containers.

Prepared by Samet Dy - Chemist ---

PLEASE This Material Safety Data Sheet was prepared in accordance with 29 CFR 1910.1200. All information, recommendations and suggestions appearing herein concerning our product are based upon tests and data believed to be reliable, however it is the user's responsibility to determine the safety, toxicity and suitability for **NOTE** their own use of the product described herein. Since actual use by others is beyond our control, no guarantee expressed or implied is made by Dur-A-Flex, Inc. as to the effects of such use, the results to be obtained or the safety and toxicity of the product nor does Dur-A-Flex, Inc. assume any liability arising out of use by others of the product referred herein. Nor is the information herein to be construed as absolutely complete since additional information may be necessary or desirable