

## 1. Product and Company Identification

**Product Name** : DUN PLUS  
**Use** : Cleaner & Sanitizer  
**Address** : KSA -Khobar – NSH Tower 9<sup>th</sup> floor  
**Phone Number** : +966 50 519 6007  
**E-mail** : [info@maracialsharq.com](mailto:info@maracialsharq.com)  
**Revision date** : Jan, 2021.D  
**Distributed by** : Maraci Alsharq

## 2. HAZARD IDENTIFICATION

### Hazard Category

Acute toxicity - Oral Category 4  
Skin corrosion/irritation Category 1  
Eye Damage / Irritation Category 1

Signal Word DANGER

Hazard Statements Causes severe skin burns and eye damage  
Harmful if swallowed

### Hazard pictograms



**Precautionary Statements - Prevention**

Do not breathe mist  
Wash hands thoroughly after handling Wear protective gloves and eye protection Use with ventilation.  
Do not eat, drink or smoke when using this product

**Precautionary Statements - Response**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
Immediately call a POISON CENTER or doctor/physician  
IF SWALLOWED:  
Rinse with plenty of water  
Drink 1 or 2 glasses of water  
Call a POISON CENTER or doctor/physician if you feel unwell  
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing

**Precautionary Statements - Storage**

None

**Precautionary Statements - Disposal**

Dispose of contents/container in accordance with local regulation

**Hazards not otherwise classified (HNOC)**

None

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No.	Classification	Concentration (%)
Didecyldimethylammonium Chloride	7173-51-5	Acute Tox.:H302 Skin corr.1B:H314 Eye Dam . 1 : H318 M-Factor ( Acute ) : 10 M-Factor ( Acute ) : 10	>=6
2-Propanol	67-63-0	Flam.liq. 2 : H225 Eye Irrit. 2A :H319 STOTSE 3 : H336	>=5 - < 7
Dodecyl Dipropylentriamine	2372-82-9	Acute Tox 3 : H301 Skin Corr . 1B : H314 Eye Dam 1:H318 STOT RE 2 :H373 Aquatic Acute 1 : H400 Aquatic Chronic 1 : H410 M-Factor (Acute) : 10	>=5



# MATERIAL SAFETY DATA SHEET

Ethoxylted alcohol	68131-39-5	Acute Tox.:H302 Skin corr.1B:H314 Eye Dam . 1 : H318 M-Factor ( Acute ) : 10 M-Factor ( Acute ) : 10	>=5
Alkylglycoside	17090-55-2	Acute Tox.:H302 Skin corr.1B:H314 Eye Dam . 1 : H318 M-Factor ( Acute ) : 10 M-Factor ( Acute ) : 10	>=5

## 4. FIRST AID MEASURES

### First aid measures for different exposure routes

Rinse with plenty of water. Call a physician immediately.

Rinse with plenty of water. Get medical attention if irritation develops and persists.

Rinse mouth. Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention immediately if symptoms occur.

IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician or poison control center immediately.

**Most important symptoms/effects, acute and delayed** None under normal use conditions.

**Eye contact**

**Skin contact**

**Ingestion**

**Inhalation Indication of immediate medical attention and special treatment needed, if necessary**

**Notes to Physician**

Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

<b>Suitable extinguishing media</b>	Dry chemical, CO <sub>2</sub> , alcohol-resistant foam or water spray.
<b>Unsuitable Extinguishing Media</b>	None.
<b>Special hazard</b>	None known.
<b>Special protective equipment for fire-fighters</b>	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
<b>Specific hazards arising from the</b>	None. <b>chemical</b>

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

<b>Personal precautions</b>	Use personal protective equipment. Do not get in eyes, on skin, or on clothing.
<b>Advice for emergency responders</b>	Use personal protective equipment as required.

### Methods and materials for containment and cleaning up

<b>Methods for containment</b>	Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.
<b>Methods for cleaning up</b>	Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Steps To Be Taken In Case Material Is Released Or Spilled:** Dike and contain spill with inert material (sand, earth, etc.) and transfer liquid and solid separately to containers for recovery or disposal. Small spills: Flush with water and pick up with wet vac or mop when on inside flooring.

**Waste Disposal Method:** Pesticide wastes are acutely hazardous. Do not contaminate water, food or feed by storage or disposal. If these wastes cannot be disposed of by use according to label instructions contact your state pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**Precautions To Be Taken In Handling And Storing:** Do not store on side. Avoid creasing or impacting of side walls of package.

**Other Precautions:** Container disposal: triple rinse (or equivalent). Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill, or incineration, or if allowed by state and local authorities by burning. If burned stay out of smoke. This product contains no reportable quantities of toxic chemicals subject to reporting requirements of Section 313 of Sara Title III Emergency Planning and Community Right to Know Act of 1986 and 40 CFR Part 372.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

No relevant exposure guidelines for other ingredients

### Exposure controls

#### Engineering Measures

**Distribution, Workplace and Household Settings:** Ensure adequate ventilation

**Product Manufacturing Plant (needed at Product-Producing Plant ONLY):**  
Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction

**Personal Protective Equipment**

**Eye Protection**

**Distribution, Workplace and Household Settings:**  
Requires Eye Protection

**Product Manufacturing Plant (needed at Product-Producing Plant ONLY):**  
Safety glasses with side-shields  
If splashes are likely to occur, wear:  
Tightly fitting safety goggles

**Hand Protection**

**Distribution, Workplace and Household Settings:**  
Protective gloves

**Product Manufacturing Plant (needed at Product-Producing Plant ONLY):**  
Protective gloves

**Skin and Body Protection**

**Distribution, Workplace and Household Settings:**  
Wear suitable protective clothing

**Product Manufacturing Plant (needed at Product-Producing Plant ONLY):**  
Wear suitable protective clothing

**Respiratory Protection**

**Distribution, Workplace and Household Settings:**  
No special protective equipment required

**Product Manufacturing Plant (needed at Product-Producing Plant ONLY):**  
In case of insufficient ventilation wear suitable respiratory equipment

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Boiling Point:</b>	corr.	200°F	<b>Specific Gravity (H<sub>2</sub>O = 1): 25°C =</b>	0.996	& 39°C =	0.989
<b>Vapor Pressure (mm Hg.):</b>		17.6	<b>Percent Volatile by Volume (%):</b>		average	91.36
<b>Vapor Density (AIR = 1):</b>		0.6	<b>Evaporation Rate (ethyl ether = 1):</b>		less than	1
<b>Solubility in Water:</b>	appreciable	<b>pH of</b>	<b>Appearance and Odor:</b>		, white floor	
<b>concentrate:</b>	6.5 - 7.5					

with US state and federal regulations for VOC content in consumer products.

**10. STABILITY AND REACTIVITY**

**Reactivity** None under normal use conditions.

**Stability** Stable under normal conditions.

**Hazardous polymerization** Hazardous polymerization does not occur.

**Hazardous Reactions** None under normal processing.

**Conditions to Avoid** None under normal processing.

**Materials to avoid** None in particular.  
**Hazardous Decomposition Products** None under normal use.

## 11. TOXICOLOGICAL INFORMATION

### Product Information

Information on likely routes of exposure

**Inhalation** No known effect.

May be harmful if swallowed.  
Risk of serious damage to eyes.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

May be harmful if swallowed.  
Causes severe burns.  
Risk of serious damage to eyes.  
No known effect.  
No known effect.  
No known effect.  
No known effect.  
No known effect.  
No known effect.  
No known effect.  
No known effect.  
No known effect.  
No known effect.  
No known effect.  
No known effect.  
No known effect.



ADVANCE  
HYGIENE

**Skin contact**

May cause burns.

**Ingestion Eye contact****Acute toxicity****Skin corrosion/irritation****Serious eye damage/eye irritation****Skin sensitization Respiratory sensitization****Germ cell mutagenicity****Neurological Effects Reproductive toxicity****Developmental toxicity****Teratogenicity****STOT - single exposure****STOT - repeated exposure****Target Organ Effects****Aspiration hazard****Carcinogenicity**

## ECOLOGICAL INFORMATION

**Ecotoxicity**

Harmful to aquatic organisms.

**Persistence and degradability**

No information available.

**Bioaccumulative potential**

No information available.

**Mobility**

No information available.

**Other adverse effects**

No information available.

## DISPOSAL CONSIDERATIONS



**Waste from Residues / Unused**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**California Hazardous Waste Codes** 331  
(non-household setting)

## 14. TRANSPORT INFORMATION

**Applicable regulations:** DOT = Yes; IMCO = Yes; IATA = Yes

**Proper shipping name (Gallon Boxes) for U.S. Highway:** Consumer Commodity ORM-D

**Proper shipping name (2.52 liter) for U.S. Highway:** Compounds, cleaning liquid, (Dialkyl dimethyl N-alkyl dimethyl benzyl ammonium chloride), 8, NA 1760, PG III

**Limited Qty.:** not applicable **Hazard Class:** 8

**Label required:** Not required on gallon boxes by highway; 2.52 liter = Corrosive Label

**DOT Exception:** Not applicable

**EPA Hazardous waste/number code:** Not listed

**Hazardous waste characteristics:**

**Ignitability** = Not applicable; **Corrosivity** = Not applicable; **Reactivity** = Not applicable

## 15. REGULATORY INFORMATION

Waste treatment

Products

Contaminated packaging

ammonium chloride, UN

**No.:** UN1760

**Clean Air Act, Section 112 Hazardous Air Pollutants**

This product does not contain any substances regulated as hazardous air pollutants of the Clean Air Act Amendments of 1990.

**Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act. This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

DANGER  
 Corrosive  
 Causes irreversible eye damage and skin burns  
 Harmful if swallowed, inhaled, or absorbed through skin

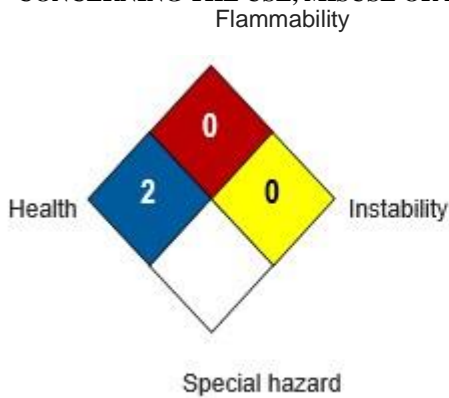
**16. OTHER INFORMATION**

**DISCLAIMER OF WARRANTIES**

**NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR OF ANY NATURE ARE MADE WITH RESPECT TO THE PRODUCT(S) OR INFORMATION CONTAINED IN THIS MATERIAL SAFETY DATA SHEET.**

The information and recommendations contained in this Material Safety Data Sheet are supplied pursuant to 29 CFR 1910.1200 of the Occupational Safety and Health Standards Hazard Communication Rule. All information contained herein is presented in good faith and is believed to be appropriate and accurate.

**THE BUYER OR USER ASSUMES ALL RISKS ASSOCIATED WITH THE USE, MISUSE OR DISPOSAL OF THIS PRODUCT. THE BUYER OR USER IS RESPONSIBLE TO COMPLY WITH ALL FEDERAL, STATE OR LOCAL REGULATIONS CONCERNING THE USE, MISUSE OR DISPOSAL OF THESE PRODUCTS.**



<b>HEALTH</b>	<b>2</b>
<b>FLAMMABILITY</b>	<b>0</b>
<b>PHYSICAL HAZARDS</b>	<b>0</b>
<b>PERSONAL PROTECTION</b>	<b>P</b>

0 = not significant, 1 = Slight,  
 2 = Moderate, 3 = High,  
 4 = Extreme, \* = Chronic

End of SDS