

# MATERIAL SAFETY DATA SHEET

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## I - Product Identification

### Blast Off

PRODUCT CODE: 20

CHEMICAL FORMULATION: Water based alkaline cleaner.

NFPA HAZARD IDENTIFICATION SYSTEM: HEALTH: 2 FLAMMABILITY: 0 REACTIVITY: 0  
HAZARD RATING: 4 - Extreme; 3 - High; 2 - Moderate; 1 - Slight; 0 - Insignificant

## II - Hazardous Ingredients

Values reported as TWA unless noted.

SUBSTANCE	APPROX %	OSHA PEL	ACGIH TLV	EPA 40 CFR:			CAS #
				302	355	372	
2-Butoxyethanol	10.0-20.0	50 ppm (skin)	20 ppm (skin)	N	N	Y	111-76-2
Modified Coco Diethanolamide	5.0-10.0	N/E	N/E	N	N	N	67785-13-1
Sodium Xylene Sulfonate	1.00-3.00	N/E	N/E	N	N	N	1300-72-7

Key: PEL: Permissible Exposure Limit TLV: Threshold Limit Value C: Ceiling level STEL: Short Term Exposure Limit  
N/A: Not Applicable N/D: Not Determined N/E: Not Established Y: Yes N: No  
302: CERCLA List of Hazardous Substances and Reportable Quantities (40 CFR 302.4).  
355: SARA TITLE III / List of Extremely Hazardous Substances for Emergency Planning and Notification (40 CFR 355).  
372: SARA TITLE III / List of Toxic Chemicals subject to Release Reporting (Community Right to Know) (40 CFR 372).

## III - Physical Data

BOILING POINT (°F): N/D SPECIFIC GRAVITY: 1.02  
VAPOR PRESSURE (mm Hg): N/D VOC CONTENT (% by weight): 10.0-20.0  
VAPOR DENSITY (AIR = 1): N/D EVAPORATION RATE (WATER = 1): ~1.00  
SOLUBILITY IN WATER: Soluble pH: 12.75-13.75  
APPEARANCE AND ODOR: Clear, purple liquid; detergent odor.

## IV - Fire and Explosion Hazard Data

FLASH POINT (°F): N/A (TEST METHOD): N/A  
FLAMMABLE LIMITS IN AIR (VOLUME %) UPPER: N/A LOWER: N/A  
EXTINGUISHING MEDIA: Water, foam, carbon dioxide, dry chemical.  
SPECIAL FIRE FIGHTING PROCEDURES: Cool drums in vicinity of fire with water fog. Fire fighters should be equipped with full protective gear including self-contained breathing apparatus.  
UNUSUAL FIRE AND EXPLOSION HAZARD: None.

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**V - Reactivity Data**

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**STABILITY:** Stable

**INCOMPATIBILITY:** Strong acids.

**CONDITIONS TO AVOID:** None

**HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal decomposition may produce oxides of carbon.

**HAZARDOUS POLYMERIZATION:** Will not occur.

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**VI - Health Hazard Data**

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**ROUTES OF ENTRY**      **INHALATION:** X      **EYE CONTACT:** X      **SKIN CONTACT:** X      **INGESTION:** X  
**INGREDIENTS THAT ARE CONSIDERED BY OSHA, NTP, IARC TO BE SUSPECTED HUMAN CARCINOGENS:** None

**EFFECTS OF OVEREXPOSURE**

**IF IN EYES:** Severe irritation, redness, tearing. Possible corneal injury.

**IF ON SKIN:** Moderate to severe irritation, chapping and dermatitis.

**IF SWALLOWED:** Irritation to mucous membranes, nausea, cramps, diarrhea.

**IF INHALED:** Irritation to respiratory tract, dizziness, headache.

**EMERGENCY AND FIRST AID PROCEDURES**

**IF IN EYES:** Flush eyes and under eyelids with plenty of cool water for at least 15 minutes. Call a physician immediately and continue flushing until medical attention is obtained.

**IF ON SKIN:** Remove contaminated clothing and launder before reuse. Flush with plenty of cool water for at least 15 minutes. Obtain medical attention, if irritation persists.

**IF SWALLOWED:** Contact physician or poison center immediately. Rinse mouth with water. Give person one to two glasses of water. Do not induce vomiting unless told to do so by a physician or poison control center. Never give anything by mouth to an unconscious person.

**IF INHALED:** Remove person to fresh air. Call a physician if irritation persists.

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**VII - Spill or Leak Protection**

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**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:** Ventilate area. Contain spill. Soak up spilled material with inert absorbent material and place in a properly labeled closed container for proper disposal.

**WASTE DISPOSAL METHOD:** Consult local environmental authorities.

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**VIII - Special Protection Information**

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**RESPIRATORY PROTECTION:** Use with adequate ventilation. If recommended Exposure Limits are exceeded wear a NIOSH approved respirator, following manufacturer's recommendations.

**VENTILATION**

**LOCAL:** Recommended

**MECHANICAL:** Not required

**PROTECTIVE GLOVES:** Chemical resistant.

**EYE PROTECTION:** Safety glasses or chemical goggles.

**OTHER PROTECTIVE EQUIPMENT:** Protective clothing, eyewash station.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** Store in a cool dry area, away from acids. Do not mix with any other cleaning chemical. Rinse container before discarding. Keep container tightly closed when not in use.

**OTHER PRECAUTIONS:** Keep out of reach of children.

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**IX - Transportation Information (ground transportation only)**

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**DOT ID NUMBER:** NA1760

**DOT PROPER SHIPPING NAME:** Compounds, cleaning liquid (sodium hydroxide)

**DOT CLASS:** 8

**DOT PACKING GROUP:** III

The shipping information listed above applies only to non-bulk (< 119 gallons) containers of this product. This product may have more than one proper shipping name depending on packaging, product properties, & mode of shipment. If any alteration of packaging, product, or mode of transportation is further intended, different shipping names and labeling may apply.

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