
MATERIAL SAFETY DATA SHEET

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Revised 2/02/04
Replaces 8/12/03
Printed 2/03/04

DYNA BRITE**MSDS ID: 01855**

I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: DYNA BRITE
PRODUCT DESCRIPTOR: ALUMINUM BRIGHTENER
MANUFACTURER: JOHNSON DIVERSEY, INC. EMERGENCY PHONE NUMBER: (800) 851-7145
3630 E. KEMPER ROAD
CINCINNATI, OH. 45241

II. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT NAME(CAS NUMBER)	%	EXPOSURE LIMITS	UNITS
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HYDROFLUORIC ACID (7664-39-3)	<10	3 TLV 3 PEL	PPM

III. HAZARDS IDENTIFICATION

ROUTES OF ENTRY: INHALATION: YES
SKIN: YES
INGESTION: YES
SIGNS AND SYMPTOMS OF EXPOSURE:
ACUTE: CORROSIVE/BURNS NOT EASILY OBVIOUS/INHALATION HAZARD. HARMFUL
OR FATAL IF SWALLOWED.
CHRONIC: LARGE, LONG TERM EXPOSURE MAY CAUSE OSTEOSCLEROSIS.
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:
Sensitive skin

IV. FIRST AID MEASURES

EYES: FLUSH THOROUGHLY WITH FRESH WATER FOR 15 MINUTES. GET MEDICAL
ATTENTION IMMEDIATELY.
SKIN: FLUSH THOROUGHLY WITH FRESH WATER, CAUSES BURNS NOT OBVIOUS, TREAT
FOR HF. GET MEDICAL ATTENTION.
INGESTION: GIVE MILK, WATER, EGG WHITES OR A TEASPOON OF MILK OF MAGNESIA DO
NOT INDUCE VOMITING, GET MEDICAL ATTENTION IMMEDIATELY.
INHALATION: Remove to fresh air.

V. FIRE FIGHTING MEASURES

FLASH POINT: NONE	DEG F	FLAME EXTENSION: N/A	IN.
FLAMMABLE LIMITS IN AIR BY VOLUME:		LEL: NONE	UEL: NONE
UNUSUAL FIRE OR EXPLOSION HAZARDS:		LIQUID IN CONTACT WITH METALS WILL PRODUCE HYDROGEN.	
EXTINGUISHING MEDIA:		DOES NOT BURN.	
FIRE FIGHTING INSTRUCTIONS:		KEEP FULL CONTAINERS COOL WITH WATER.	

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VI. ACCIDENTAL RELEASE MEASURES

IF MATERIAL IS RELEASED OR SPILLED: FLUSH MINOR AMOUNTS TO DRAIN. TREAT SPILLS WITH NAHCO₃, DISPOSE DRY RESIDUES TO SOLID TRASH.

VII. HANDLING AND STORAGE

HANDLING AND STORAGE PRECAUTIONS: DO NOT PRESSURE CONTAINER TO EMPTY. DO NOT STORE CONCENTRATE OR DILUTE SOLUTIONS IN METAL CONTAINERS. DO NOT SWALLOW. KEEP BUNGS IN CONTAINER. IF FROZEN, THAW AND MIX TO MAKE USABLE.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE/FACE PROTECTION: FACE SHIELD
PROTECTIVE GLOVES: ACID RESISTANT
RESPIRATORY PROTECTION: PROVIDE NIOSH/MSHA APPROVED RESPIRATOR IF TLV/PEL LIMITS ARE EXCEEDED.
OTHER PROTECTIVE CLOTHING/EQUIPMENT: BOOTS AND APRON WHEN WORKING IN THE WET AREA WITH PRODUCT.
EXPOSURE GUIDELINES: SEE SECTION II FOR DETAILED INFORMATION.

IX. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT (F): >200 SPECIFIC GRAVITY: 1.0140
VOLATILE BY VOLUME: 80 SOLUBILITY IN WATER: 100
VAPOR PRESSURE (MMHG): 17.5 AT 20 C
APPEARANCE AND ODOR: COLORLESS LIQUID; SLIGHTLY ACID.

X. STABILITY AND REACTIVITY

CHEMICAL STABILITY: STABLE
INCOMPATIBILITY WITH OTHER MATERIALS: GLASS. FERROUS ALLOYS
HAZARDOUS DECOMPOSITION PRODUCTS: CO WITH INCOMPLETE COMBUSTION HYDROGEN FROM METAL ATTACK
HAZARDOUS POLYMERIZATION: NONE

XI. TOXICOLOGICAL INFORMATION

NO DATA AVAILABLE

XII. ECOLOGICAL INFORMATION

NO DATA AVAILABLE

XIII. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: PH ADJUSTMENT; CALCIUM OXIDE TO PRECIPITATE FLUORIDES. CONTAINS NO PHOSPHOROUS. USE UNTIL LESS THAN 1 INCH REMAINS IN CONTAINER, EMPTY CONTAINER TRIPLE RINSE WITH WATER, ADD TO OPERATION REMOVE OR DEFACE LABEL BEFORE SELLING CONTAINER OR DISPOSAL

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XIV. TRANSPORT INFORMATION

HAZARDOUS MATERIALS DESCRIPTION/PROPER SHIPPING NAME:

Please refer to the Bill of Lading/receiving documents for up to date shipping information.

XV. REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS:

CERCLA/EPCRA:SECTION 313 TOXIC CHEMICALS:

THIS PRODUCT CONTAINS HYDROFLUORIC ACID (CAS #7664-39-3) AT 11.2%, WHICH IS SARA REPORTABLE.

LISTED CARCINOGEN: NONE

NTP: NO IARC: NO OSHA: NO

HMIS RATINGS: HEALTH: 4 FIRE: 0 REACTIVITY: 0

PERSONAL PROTECTIVE EQUIPMENT: H

STATE RIGHT-TO-KNOW INFORMATION:

HYDROFLUORIC ACID - CAS #7664-39-3

WATER - CAS #7732-18-5

NONYLPHENOXY POLY(ETHYLENEOXY) ETHANOL - CAS #9016-45-9

XVI. OTHER INFORMATION

THE INFORMATION IN THIS MSDS RELATES TO THIS SPECIFIC MATERIAL. IT MAY NOT BE VALID FOR THIS MATERIAL IF USED OTHER THAN AS RECOMMENDED BY DIVERSEY LEVER OR IN COMBINATION WITH OTHER MATERIALS. IT IS THE USER'S RESPONSIBILITY TO EVALUATE THE APPLICABILITY OF THIS INFORMATION FOR HIS PARTICULAR CONDITIONS OF STORAGE, HANDLING AND USE.