
MATERIAL SAFETY DATA SHEET

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Revised 2/02/04
Replaces 12/02/03
Printed 2/03/04**D-SMUT****MSDS ID: 01170**

I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: D-SMUT
PRODUCT DESCRIPTOR: DEOXIDIZER
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
CHROMIC ACID (1333-82-0)	<10	TLV 0.05; PEL C 0.1	PPM

III. HAZARDS IDENTIFICATION

ROUTES OF ENTRY: INHALATION: YES
SKIN: YES
INGESTION: YES
SIGNS AND SYMPTOMS OF EXPOSURE:
ACUTE: CORROSIVE TO SKIN, EYES, MUCOUS MEMBRANES DUSTS ARE CORROSIVE
TO SKIN, EYES AND RESPIRATORY TRACT LONG TERM EXPOSURE TO
HIGH LEVELS OF CHROMIUM-
CHRONIC: CONTAINING DUSTS HAS BEEN SHOWN TO CAUSE LUNG CANCER IN MAN.
THE EXACT COMPOUNDS WHICH CAUSE THIS RESPONSE IS UNKNOWN.
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:
Sensitive skin

IV. FIRST AID MEASURES

EYES: FLUSH THOROUGHLY WITH FRESH WATER. GET MEDICAL ATTENTION.
SKIN: FLUSH WITH FRESH WATER, WASH WITH SOAP AND WATER. REMOVE
CONTAMINATED CLOTHES AND SHOES. GET MEDICAL ATTENTION.
INGESTION: GIVE WATER. DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION. NEVER
GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.
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:		SEE ABOVE	
EXTINGUISHING MEDIA:		CO2, FOAM	
FIRE FIGHTING INSTRUCTIONS:		PRODUCT NOT COMBUSTIBLE BUT CAN IGNITE COMBUSTIBLE MATERIALS	

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VI. ACCIDENTAL RELEASE MEASURES

IF MATERIAL IS RELEASED OR SPILLED: WEAR ALL SAFETY EQUIPMENT IN SECTION 6.
COLLECT AND RETURN TO CONTAINER. FLUSH AREA WITH WATER.

VII. HANDLING AND STORAGE

HANDLING AND STORAGE PRECAUTIONS: STORE IN DRY PLACE. KEEP CONTAINER COVERED.
CHEMICAL STORAGE AREA.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE/FACE PROTECTION: FACESHIELD
PROTECTIVE GLOVES: RUBBER
RESPIRATORY PROTECTION: NIOSH APPROVED DUST MASK
OTHER PROTECTIVE CLOTHING/EQUIPMENT: CLOTHING TO COVER SKIN AND APRON.
EXPOSURE GUIDELINES: SEE SECTION II FOR DETAILED INFORMATION.

IX. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT (F): N/A SPECIFIC GRAVITY: 1.0000
VOLATILE BY VOLUME: 0 SOLUBILITY IN WATER: 20
VAPOR PRESSURE (MMHG): N/A AT
APPEARANCE AND ODOR: BROWN TO RED POWDER; ACRID ODOR

X. STABILITY AND REACTIVITY

CHEMICAL STABILITY: STABLE
INCOMPATIBILITY WITH OTHER MATERIALS: OXIDIZABLE AND COMBUSTIBLE MATERIAL
HAZARDOUS DECOMPOSITION PRODUCTS: OXIDES OF NITROGEN AND SO2 WITH
INCOMPLETE COMBUSTION
HAZARDOUS POLYMERIZATION: NONE

XI. TOXICOLOGICAL INFORMATION

NO DATA AVAILABLE

XII. ECOLOGICAL INFORMATION

NO DATA AVAILABLE

XIII. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: REDUCTION, ION EXCHANGE OR PRECIPITATION OF CR+6. 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:

D-SMUT CONTAINS CHROMIC ACID CAS #1333-82-0 AT 9.0% IN THE FORMULATION
THIS INGREDIENT IS REPORTABLE AS A CHROMIUM COMPOUND.

LISTED CARCINOGEN: CHROMIC ACID

NTP: YES IARC: YES OSHA: YES

HMIS RATINGS: HEALTH: 3 FIRE: 0 REACTIVITY: 0

PERSONAL PROTECTIVE EQUIPMENT: D

STATE RIGHT-TO-KNOW INFORMATION:

SODIUM BISULFATE - CAS #7681-38-1

CHROMIC ACID - CAS #1333-82-0

SODIUM NITRATE - CAS #7631-99-4

SODIUM SILICO FLUORIDE - CAS #16893-85-9

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.