



I - PRODUCT IDENTIFICATION AND USE

MSDS ID: 4373

PRODUCT NAME: **DIVERGARD N40**

USE: Rust Preventative Fluid

SUPPLIER:

JohnsonDiversey Canada, Inc.
2401 Bristol Circle
Oakville Ontario, L6H 6P1, Canada

EMERGENCY PHONE:

1-800-668-7171

WHMIS CLASSIFICATION: D1B

CHEMICAL FAMILY: Nitrite

TRADE NAME / SYNONYMS: not applicable

CHEMICAL NAME: not applicable

II - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENT	% w/w	CAS #	LD50 / LC50	Route / Species
Sodium nitrite	30-60	007632-00-0	LD50 85 mg/kg	oral/rat

III - HANDLING AND DISPOSAL PROCEDURES

PERSONAL PROTECTIVE EQUIPMENT:

Gloves: Natural rubber, Neoprene, Nitrile or PVC

Eye: safety goggles

Footwear: rubber boots

Respiratory: If mists are generated, use NIOSH approved mask

Other: rubber apron

SPECIAL HANDLING PROCEDURES AND EQUIPMENT: Avoid eye and skin contact. Do not breathe mist or spray.

VENTILATION REQUIREMENTS: general ventilation

INCOMPATIBILITY (Material to Avoid): reducing agents, secondary amines

SPILL PROCEDURES: Contain the spill. Do not allow the spilled product to go to drain. Mop up or soak up with absorbent clay for disposal. Wash spill area with large volumes of water.

WASTE DISPOSAL: Dispose according to municipal, provincial, and federal regulations.

STORAGE / SHIPPING REQUIREMENT: Store in a cool dry area in a closed container. UN1500

IV - PHYSICAL PROPERTIES

APPEARANCE / ODOUR: Clear, pale blue liquid

S.G. / BULK DENSITY(g/cc): 1.30

pH: (concentrate): 9.1

VAPOUR PRESSURE (mmHg): not available

VAPOUR DENSITY (air=1): not available

ODOUR THRESHOLD: not available

BOILING POINT: approx. 100°C

FREEZING POINT: not available

PERCENT VOLATILE: 60%

SOLUBILITY IN WATER: soluble

EVAPORATION RATE (water=1): not available

V - TOXICOLOGICAL PROPERTIES

EFFECTS OF ACUTE EXPOSURE TO MATERIAL:

EYES: May cause severe irritation. No serious or irreversible effects expected if treated promptly.

SKIN: May cause irritation. May be absorbed through intact skin causing systemic poisoning.

INGESTION: May cause irritation of the digestive tract. Ingestion of large amounts can lead to nausea, vomiting, drop in blood pressure, collapse, coma and death.

INHALATION: Breathing mist may cause respiratory irritation.

LD50 (calculated): 200 mg/kg

LC50 (calculated): not available

OTHER TOXIC EFFECTS: Sodium Nitrite TLV: 10 mg/m3. Ingestion or absorption through skin may cause blood, circulatory or muscular disorders.	
EFFECTS OF CHRONIC EXPOSURE TO MATERIAL: Not available.	
VI - FIRST AID MEASURES	
EYES:	Flush eyes with plenty of water for at least 15 minutes. Hold eyelids open while rinsing. Contact a physician immediately.
SKIN:	Flush affected area thoroughly with water. Contact a physician immediately.
INGESTION:	Drink large volumes of water . Never give anything by mouth to an unconscious patient. Do not induce vomiting. Contact a physician immediately.
INHALATION:	Remove patient to fresh air. Contact a physician.
VII - FIRE AND EXPLOSION DATA	
FLAMMABLE: No	
FLASH POINT, °C: not applicable	AUTO IGNITION TEMPERATURE, °C: N/Ap
EXTINGUISHING MEDIA: Water [X] Dry Chemical [X] Carbon Dioxide [X] Foam [X] Other []	
SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus.	
HAZARDOUS COMBUSTION PRODUCTS: not applicable.	
EXPLOSIVE SENSITIVITY TO: not applicable	
VIII - REACTIVITY DATA	
STABILITY: Stable [X] Unstable []	
CONDITIONS TO AVOID: high temperature	
INCOMPATIBILITY (Material to Avoid) : Reducing agents	
HAZARDOUS DECOMPOSITION PRODUCTS: Nitrogen oxides	
REACTIVITY: not dangerously reactive	
IX - MSDS PREPARATION	
SOURCES USED: Supplier MSDS, RTECS	PREPARED BY: JohnsonDiversey Canada. Inc. Regulatory Department Food Division Phone (905) 829-1200
PREPARATION DATE: April 15, 2003	
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