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## **MATERIAL SAFETY DATA SHEET**

### **PRODUCT INFORMATION**

# **STAR**

#### **SECTION 1: IDENTIFICATION OF SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

##### **1.1 PRODUCT IDENTIFIER**

**NORSAN STAR**  
Concentrated Thermoplastic Floor  
Restorer / Maintainer

##### **1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET**

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##### **1.2 RELEVANT IDENTIFIED USES OF THE SUBSTANCE/MIXTURE AND USES ADVISED AGAINST**

###### **General Description:**

A phosphate free and biodegradable floor treatment chemical for worn and tired looking floors. Suitable for use with a mop and bucket or with automatic scrubber dryers.

###### **Directions For Use:**

For general bucket usage dilute 1:50 (treated floors) to 1:25 (untreated floors) and apply to desired surface using a mop or dedicated floor applicator. When dry machine buff for a gloss finish. For use with an automatic scrubber dryer dilute 150ML into 10LT of water. For heavy traffic areas a stronger solution may be required. Can be used neat as a floor finish on very worn or polish stripped surfaces.

#### **SECTION 2: HAZARDS IDENTIFICATION**

##### **2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE**

###### **CLASSIFICATION UNDER CLP (EC) NO 1272/2008 [EU-GHS/CLP]**

###### **PHYSICAL AND CHEMICAL HAZARDS**

Not classified.

###### **HUMAN HEALTH**

Not classified.

###### **ENVIRONMENT**

Not classified.

###### **CLASSIFICATION UNDER CHIP (67/548/EEC OR 1999/45/EEC)**

Not classified.

##### **2.2 LABEL ELEMENTS**

###### **PICTOGRAM CODE**

###### **PICTOGRAM**

###### **SIGNAL WORD**

###### **HAZARD STATEMENTS**

**PRECAUTIONARY STATEMENTS**

PREVENTION

STORAGE

P102 - Keep out of reach of children.

RESPONSE

DISPOSAL

P501 - Dispose of contents/container to licensed waste disposal site.

**2.3 OTHER HAZARDS****EUROPEAN UNION  
(DANGEROUS SUBSTANCES DIRECTIVE)**

EUH none

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.1 MIXTURES**

SUBSTANCE	CAS. NO	EINECS No.	HAZARD	RANGE
2-bromo-2-nitropropanol-1,3-diol	52-51-7	200-143-0	H400	<1%

**SECTION 4: FIRST AID MEASURES****4.1 DESCRIPTION OF FIRST AID MEASURES****GENERAL ADVICE**

Remove contaminated clothing and wash before reuse.

**AFTER INHALATION**

Ensure supply of fresh air.

**AFTER CONTACT WITH SKIN**

Rinse off with water.

**AFTER CONTACT WITH EYES**

Rinse eyes with water until irritation subsides.

**AFTER INGESTION**

Rinse mouth thoroughly. Get medical attention if any discomfort continues.

**4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED**

The severity of symptoms described will vary depending on concentration and length of exposure.

**INHALATION****CONTACT WITH SKIN****CONTACT WITH EYES**

Eye irritation and reddening.

**INGESTION**

#### 4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Rinse with clean water.

### SECTION 5: FIREFIGHTING MEASURES

#### 5.1 SUITABLE EXTINGUISHING MEDIA

This product is not flammable. Use fire extinguishing media appropriate for surrounding area.

#### 5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

May produce oxides of carbon, nitrogen, sodium and sulphur.

#### 5.3 ADVICE FOR FIRE FIGHTERS

Wear self-contained breathing apparatus and protective clothing as appropriate to the associated fire.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

#### 6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Use appropriate PPE. Avoid breathing vapours if any and ensure adequate ventilation. Cordon off area to other personnel.

#### 6.2 ENVIRONMENTAL PRECAUTION

Do not allow to enter surface water drains, soil/subsoil.

#### 6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

Absorb with sand or binder and dispose of according to local regulations. Small spillages may be flushed to a foul drain.

#### 6.4 REFERENCE TO OTHER SECTIONS

See Section 8 and 13 for more information on exposure and disposal.

### SECTION 7: HANDLING AND STORAGE

#### 7.1 PRECAUTIONS FOR SAFE HANDLING

Provide good ventilation in working area. Wash hands after use and do not allow to enter surface water drains.

#### 7.2. CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Store only in original containers out of reach of children. Storage temperature should be between 5°C and 30°C.

#### 7.3 SPECIFIC END USE(S)

See section 1.2 and label.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1 CONTROL PARAMETERS

Contains no substances with known occupational exposure limits.

#### 8.2 EXPOSURE CONTROLS

Do not eat, drink or smoke whilst working and wash hands after use.

#### PICTOGRAM(S)



WEAR SUITABLE HAND PROTECTION      WEAR SUITABLE EYE PROTECTION

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

##### APPEARANCE/ODOUR

Blue fragranced liquid (Method: QP22).

##### pH LEVEL

8 - 9 (Method: QP03).

##### FLAMMABLE/FLASH POINT

Not flammable.

##### SOLUBILITY

Soluble/dispersible in water.

##### VISCOSITY

Non-viscous @20°C (Method: QP04).

#### 9.2 OTHER INFORMATION

No information available.

## SECTION 10: STABILITY AND REACTIVITY

### 10.1 REACTIVITY

Not known to react with other chemicals.

### 10.2 CHEMICAL STABILITY

No stability concerns.

### 10.3 POSSIBILITY OF HAZARDOUS REACTION

### 10.4 CONDITIONS TO AVOID

### 10.5 INCOMPATIBLE MATERIALS

### 10.6 HAZARDOUS DECOMPOSITION PRODUCTS

May produce toxic products of combustion when involved with a fire..

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. INFORMATION ON TOXICOLOGICAL EFFECTS

#### INHALATION

#### CONTACT WITH SKIN

#### CONTACT WITH EYES

Eye irritation and reddening.

#### INGESTION

## SECTION 12: ECOLOGICAL INFORMATION

### ECOTOXICITY

Not regarded as dangerous for the environment.

### 12.1 TOXICITY

No aquatic testing has been carried out for this product.

### 12.2. PERSISTENCE AND DEGRADABILITY

### 12.3. BIOACCUMULATIVE POTENTIAL

### 12.4. MOBILITY IN SOIL

### 12.5. RESULTS OF PBT AND VPVB ASSESSMENT

### 12.6. OTHER ADVERSE EFFECTS

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1. WASTE TREATMENT METHODS

This product is not classified as hazardous waste under the special waste (amendment) regulations (SI 1996/2019). For disposal contact a licensed waste management company. Rinse out container at least twice in water and recycle if facilities exist or dispose of as commercial waste. European waste catalogue: 20 01 29.

## SECTION 14: TRANSPORT INFORMATION

### 14.1. UN NUMBER

### 14.2. UN PROPER SHIPPING NAME

NORSAN STAR

### 14.3. TRANSPORT HAZARD CLASS(ES)

### 14.4. PACKING GROUP

#### 14.5. ENVIRONMENTAL HAZARDS

#### 14.6. SPECIAL PRECAUTIONS FOR USER

#### 14.7. TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL73/78 AND THE IBC CODE

### SECTION 15: REGULATORY INFORMATION

#### 15.1. SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE

##### STATUTORY INSTRUMENTS

Classified under GHS/CLP- Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures.

##### APPROVED CODE OF PRACTICE

Classification and Labelling of Substances and Preparations Dangerous for Supply. Safety Data Sheets for Substances and Preparations.

##### GUIDANCE NOTES

ECHA Guidance on the application of CLP criteria (Version 4: November 2013). ECHA Guidance on the compilation of safety data sheets (Version 2.1: February 2014)

#### 15.2. CHEMICAL SAFETY ASSESSMENT

No chemical safety assessment has been carried out as product is a mixture.

### SECTION 16: OTHER INFORMATION

#### 16.1. REVISION COMMENTS

This product is now using classification from GHS/CLP- Regulation (EC) No 1272/2008 classification and labelling & packaging of. The risk statements listed below relate to the raw materials in the product not the product itself.

##### RISK PHRASES IN FULL (CHIP)

##### HAZARD STATEMENT IN FULL (CLP)

H400 - Very toxic to aquatic life.

#### DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use. The user assumes all liability for any damage or injury resulting from abnormal use, from the failure to adhere to recommended practises, or from hazards inherent in the nature of the product. In accordance with our policy of incorporating technical improvements, we reserve the right to amend any specification without notice.