

# SAFETY DATA SHEET ND-150 EXTRA

According to EC Regulation 1907/2006/EC - revision 2015/830

Revision No. 2.1

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

### 1.1. Product identifier

Product Name ND-150 EXTRA  
Product Code 0286GX1 (CLP)

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

#### Recommended use

Water based cleaner.

### 1.3. Details of the supplier of the safety data sheet

NCH Belgium Inc.  
Lennikse Baan 451,  
B-1070 Anderlecht  
Tel.: (02) 255 94 30  
E-mail address nchbe@nch.com  
Website address www.ncheurope.com

### 1.4. Emergency telephone number

Tel: 32 2 255 94 30 (available during Office Hours)

## SECTION 2. HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

#### Classification according to Regulation (EC) No 1272/2008 (CLP/GHS) and its adaptations

Skin irritation: Category 2  
Serious damage to eyes: Category 1  
H315 - Causes skin irritation  
H318 - Causes serious eye damage

#### Classification according to EU Directive 67/548/EEC - 1999/45 EC

Xi - Irritant  
R36/38 Irritating to eyes and skin.

### 2.2. Label elements

#### Labelling according to Regulation (EC) No 1272/2008 (CLP/GHS)

Contains SODIUM SILICATE.

#### Hazard pictograms



Signal word DANGER

#### Hazard Statements

H315 - Causes skin irritation  
H318 - Causes serious eye damage

#### Precautionary Statements

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P310 - Immediately call a POISON CENTER or doctor

P280 - Wear protective gloves/protective clothing/eye protection.

For industrial and institutional use only.

Keep out of reach of children.

(SDS ONLY)

P302+P352 - IF ON SKIN: Wash with plenty of water

P332 + P313 - If skin irritation occurs: Get medical advice/attention

P362+P364 - Take off contaminated clothing and wash it before reuse

### 2.3. Other hazards

No additional hazards identified.

The components in this formulation do not meet the criteria for classification as PBT or vPvB. As defined under the regulation EC 1907/2006.

### SECTION 3. COMPOSITION / INFORMATION OF INGREDIENTS

#### 3.2 Mixture

Component	CAS-No.	EC No.	EU - REACH reg number	Weight percent	Classification	EU - GHS/CLP Classification	Notes
DIPROPYLENE GLYCOL METHYL ETHER	34590-94-8	252-104-2	01- 2119450011-60	5 - < 10		-	
SODIUM SILICATE	1344-09-8	215-687-4	01- 2119448725-31	3 - < 5	Xi; R38-41	Skin Irrit. 2 (H315) Eye Dam. 1 (H318)	
DODECYLBENZENE SULPHONIC ACID SODIUM SALT	25155-30-0	246-680-4	-	1 - < 3	Xn; R22 Xi; R36/37/38	Acute Tox. 4 (H302) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) STOT SE 3 (H335)	
MONOPROPYLENE GLYCOL METHYL ETHER	107-98-2	203-539-1	01- 2119457435-35	1 - < 3	R10 R67	STOT SE 3 (H336) Flam. Liq. 3 (H226)	
SODIUM HYDROXIDE	1310-73-2	215-185-5	01- 2119457892-27	1 - < 3	C; R35	Skin Corr. 1A (H314)	

This mixture contains substances with a Community workplace exposure limit. For any H statements and R phrases mentioned in this section, see the full text in section 16. The GHS/CLP classification for substances are listed once they have been harmonised according to the REACH Regulation No 1907 / 2006.

### SECTION 4. FIRST AID MEASURES

#### 4.1. Description of first aid measures

##### General advice

Avoid contact with skin, eyes and clothing. Avoid breathing vapours or mists.

##### Eye Contact

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists.

##### Skin Contact

Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Get medical attention if irritation develops and persists.

##### Ingestion

Rinse mouth with water. Do NOT induce vomiting. If swallowed, seek medical advice immediately and show this container or label.

##### Inhalation

Remove from the area to fresh air. Seek medical attention if respiratory irritation develops or if breathing becomes difficult. If exposed to high concentrations of the vapours / mists, move to fresh air.

#### 4.2. Most important symptoms and effects, both acute and delayed

##### Sensitisation

No information available.

##### Eye contact

May cause burns which could lead to permanent eye damage.

##### Skin contact

May cause irritation as itching or redness.

##### Inhalation

Inhalation of mists may result in irritation to the respiratory tract.

#### 4.3. Indication of any immediate medical attention and special treatment needed

##### Notes to physician

Causes eye burns.

### SECTION 5. FIRE-FIGHTING MEASURES

#### 5.1. Extinguishing media

##### Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use: Water spray. Foam. Carbon dioxide (CO<sub>2</sub>). Dry powder.

#### 5.2. Special hazards arising from the substance or mixture

When exposed to high temperatures, the preparation may release dangerous decomposition products such as carbon monoxide and dioxide, smoke and/or nitrogen oxide. Sodium oxides. Silicon oxides.

Material can create slippery conditions.

### 5.3. Advice for firefighters

Firefighters should wear a self-contained breathing apparatus and full protective gear.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with skin, eyes, and clothing. Use personal protective equipment. Refer to protective measures listed in sections 7 and 8. Prevent further leakage or spillage if safe to do so. Material can create slippery conditions. Ventilate the area.

### 6.2. Environmental precautions

Avoid release of neat product into surface water and sanitary sewage system.

### 6.3. Methods and material for containment and cleaning up

#### Methods for Containment

Contain spillage, soak up with non-combustable absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

#### Methods for Cleaning up

Clean preferably with a detergent, do not use solvents. Neutralize with an acid.

### 6.4. Reference to other sections

Refer to sections 7, 8 and 13.

## SECTION 7. HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Avoid contact with skin, eyes and clothing. Avoid breathing vapours or mists. Do not eat, drink or smoke when using this product. Ensure adequate ventilation.

### 7.2. Conditions for safe storage, including any incompatibilities

Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place.

### 7.3. Specific end use(s)

No information available.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

#### Exposure limits

For substances. If vapours, fumes or mists are generated, their concentration in the workplace area should be kept to the lowest reasonable level.

Component	European Union	The United Kingdom	France	Germany	Belgium
DIPROPYLENE GLYCOL METHYL ETHER		STEL: 150 ppm STEL: 924 mg/m <sup>3</sup> TWA: 50 ppm TWA: 308 mg/m <sup>3</sup> Skin	TWA: 50 ppm TWA: 308 mg/m <sup>3</sup> Skin	AGW: 50ppm AGW: 310mg/m <sup>3</sup> Peak: 50ppm Peak: 310mg/m <sup>3</sup> TWA: 50ppm TWA: 310mg/m <sup>3</sup>	50 ppm TWA; 308 mg/m <sup>3</sup> TWA
MONOPROPYLENE GLYCOL METHYL ETHER		STEL: 150 ppm STEL: 560 mg/m <sup>3</sup> TWA: 100 ppm TWA: 375 mg/m <sup>3</sup> Skin	TWA: 50 ppm TWA: 188 mg/m <sup>3</sup> STEL: 100 ppm STEL: 375 mg/m <sup>3</sup> Skin	AGW: 100ppm AGW: 370mg/m <sup>3</sup> Peak: 200ppm Peak: 740mg/m <sup>3</sup> TWA: 100ppm TWA: 370mg/m <sup>3</sup> BGW: 15mg/L	150 ppm STEL; 568 mg/m <sup>3</sup> STEL 100 ppm TWA; 375 mg/m <sup>3</sup> TWA
SODIUM HYDROXIDE		STEL: 2 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup>		

Component	Austria	Switzerland	Romania
DIPROPYLENE GLYCOL METHYL ETHER	Skin STEL: 100 ppm STEL: 614 mg/m <sup>3</sup> TWA: 50 ppm TWA: 307 mg/m <sup>3</sup>	STEL: 50 ppm STEL: 300 mg/m <sup>3</sup> TWA: 50 ppm TWA: 300 mg/m <sup>3</sup>	50ppm TWA 308mg/m <sup>3</sup> TWA 18ppm TWA 300mg/m <sup>3</sup> TWA
MONOPROPYLENE GLYCOL METHYL ETHER	Skin STEL: 50 ppm STEL: 187 mg/m <sup>3</sup> TWA: 50 ppm	STEL: 200 ppm STEL: 720 mg/m <sup>3</sup> TWA: 100 ppm TWA: 360 mg/m <sup>3</sup>	150ppm STEL 568mg/m <sup>3</sup> STEL 100ppm TWA 375mg/m <sup>3</sup> TWA

	TWA: 187 mg/m <sup>3</sup> Ceiling: 50 ppm Ceiling: 187 mg/m <sup>3</sup>		
SODIUM HYDROXIDE	STEL: 4 mg/m <sup>3</sup> TWA: 2 mg/m <sup>3</sup>	STEL: 2 mg/m <sup>3</sup> TWA: 2 mg/m <sup>3</sup>	3mg/m <sup>3</sup> STEL 1mg/m <sup>3</sup> TWA

**8.2. Exposure controls**Control parameters

Provide an eyewash station. Provide washing facilities.

Engineering Measures

Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Use personal protection equipment as per Directive 89/686/EEC.

Respiratory Protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Conforming to EN 143 eg P2 / P3 Particle filters.

Hand Protection

Wear suitable protective gloves conforming to EN 374. Type of gloves suggested :. Short term use eg occasional contact or splash protection ;. Nitrile rubber (0.4 mm). PVC (0.7mm). Long term use eg continuous wear or immersion ;. Neoprene gloves (0.4 mm). Minimum breakthrough time of the glove material (protective index 4, breakthrough time: >120 min). For break through times, refer to glove manufacturers recommendations.

Eye Protection

Safety glasses with side-shields. Approved to EN 166. For large volumes, faceshields should be used.

General hygiene considerations

Do not eat, drink or smoke when using this product. Handle in accordance with good industrial hygiene and safety practise. Wash hands before breaks and at the end of workday.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES****9.1. Information on basic physical and chemical properties**

Information below relates to typical values and does not constitute a specification.

<b>Appearance</b>	Yellow	<b>Specific Gravity</b>	1.04
<b>Physical State</b>	Liquid	<b>Solubility</b>	Soluble in water
<b>Odour</b>	Slight	<b>Autoignition Temperature</b>	No information available.
<b>pH</b>	13	<b>Viscosity</b>	No information available
<b>Melting Point/Range</b>	-5 °C	<b>Explosive properties</b>	No information available
<b>Boiling Point/Range</b>	100 °C	<b>Oxidizing Properties</b>	No information available.
<b>Flash Point</b>	Not relevant	<b>VOC Content (%)</b>	7.2 %
<b>Evaporation Rate</b>	No information available.		
<b>Flammability Limits in Air %</b>	No information available.		
<b>Vapour Pressure</b>	No information available.		
<b>Vapor Density</b>	No information available.		

**9.2. Other information**

No other information available

**SECTION 10. STABILITY AND REACTIVITY****10.1. Reactivity**

Not considered as highly reactive. See further information below.

**10.2. Chemical stability**

Stable under normal conditions.

**10.3. Possibility of hazardous reactions**

The mixture itself will not dangerously react or polymerise to create hazardous conditions in normal use.

**10.4. Conditions to avoid**

No conditions to be specially mentioned.

**10.5. Incompatible materials**

Oxidising agents. Reducing agents. Strong acids. Strong bases.

**10.6. Hazardous decomposition products**

None under normal storage conditions and use.

When exposed to high temperatures, the preparation may release dangerous decomposition products such as carbon monoxide and dioxide, smoke and/or nitrogen oxide. Sodium oxides. Silicon oxides.

**SECTION 11. TOXICOLOGICAL INFORMATION****11.1. Information on toxicological effects**Product Information

The product itself has not been tested.

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
DIPROPYLENE GLYCOL METHYL ETHER	= 5230 mg/kg ( Rat )	= 9500 mg/kg ( Rabbit )	
SODIUM SILICATE	= 1153 mg/kg ( Rat )		
DODECYLBENZENE SULPHONIC ACID SODIUM SALT	= 500 mg/kg ( Rat )		
MONOPROPYLENE GLYCOL METHYL ETHER	= 5000 mg/kg ( Rat )	= 13 g/kg ( Rabbit )	> 6 mg/L ( Rat ) 4 h
SODIUM HYDROXIDE		= 1350 mg/kg ( Rabbit )	

Sensitisation

No information available.

Skin contact

May cause irritation as itching or redness.

Inhalation

Inhalation of mists may result in irritation to the respiratory tract.

Eye contact

May cause burns which could lead to permanent eye damage.

Carcinogenicity

There are no known carcinogenic substances in this product.

Mutagenic Effects

There are no known mutagenic substances in this product.

Reproductive Effects

There are no known substances in this product with effects on reproduction.

## SECTION 12. ECOLOGICAL INFORMATION

**12.1. Toxicity**Product Information

The product itself has not been tested.

**Ecotoxicity effects**

pH values above 10.5 may be fatal to fish and other aquatic organisms.

Component	Toxicity to Fish	Water Flea	Toxicity to Algae
DIPROPYLENE GLYCOL METHYL ETHER	LC50 > 10000 mg/L Pimephales promelas 96 h	1919: 48 h Daphnia magna mg/L LC50	
SODIUM SILICATE	LC50 301-478 mg/L Lepomis macrochirus 96 h LC50 = 3185 mg/L Brachydanio rerio 96 h	= 216 mg/L 96 h	
DODECYLBENZENE SULPHONIC ACID SODIUM SALT	LC50 = 10.8 mg/L Oncorhynchus mykiss 96 h		
MONOPROPYLENE GLYCOL METHYL ETHER	LC50 = 20.8 g/L Pimephales promelas 96 h	23300: 48 h Daphnia magna mg/L EC50	
SODIUM HYDROXIDE	LC50 = 45.4 mg/L Oncorhynchus mykiss 96 h		

**12.2. Persistence and degradability**

The surfactant(s) contained in this preparation complies (comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

**12.3. Bioaccumulative potential**

Bioaccumulation unlikely due to the high water solubility of the product.

Component	log Pow
DIPROPYLENE GLYCOL METHYL ETHER	-0.064
MONOPROPYLENE GLYCOL METHYL ETHER	-0.437

**12.4. Mobility in soil**

Soluble in water.

**12.5. Results of PBT and vPvB assessment**

The components in this formulation do not meet the criteria for classification as PBT or vPvB. As defined under the regulation EC 1907/2006.

**12.6. Other adverse effects**

No data available.

## SECTION 13. DISPOSAL CONSIDERATIONS

**13.1. Waste treatment methods**Waste from Residues / Unused Products

Dispose of in accordance with local regulations.

Contaminated Packaging

Empty containers should be taken for local recycling, recovery or waste disposal. Empty remaining contents. Recycle according to official regulations.

EWG waste disposal No

The following EWC/ AVV waste codes may be applicable:

07 06 01\* aqueous washing liquids and mother liquors  
 20 01 29\* Detergents containing dangerous substances

#### Other Information

According to the European Waste Catalogue, Waste Codes are not product specific, but application specific

### SECTION 14. TRANSPORT INFORMATION

#### 14.1, 14.2, 14.3, 14.4.

Not classified for transport as dangerous goods

#### 14.5. Environmental hazards

The mixture is not environmentally hazardous for transport

#### 14.6. Special precautions for user

No special precautions.

#### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Packaged product, not typically transported in IBC's.

#### Additional information

The above information is based on latest transport regulations i.e. ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport.

### SECTION 15. REGULATORY INFORMATION

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

This mixture was classified in compliance with EC Regulation 1272/2008 (CLP) and its adaptations.

The preparation is classified as dangerous in accordance with Directive 1999/45/EC. In addition, Directive 2009/2/EC with the 31st Adaptation of Directive 67/548/EEC (Hazardous substances) has been taken into account. This is a detergent product and complies with the Detergent Regulation (EC) No.648/2004.

#### Table of occupational illnesses (FRANCE ONLY):

Component	RG
DIPROPYLENE GLYCOL METHYL ETHER	RG 84
DODECYLBENZENE SULPHONIC ACID SODIUM SALT	RG 5, RG 14, RG 15, RG 15bis, RG 20bis
MONOPROPYLENE GLYCOL METHYL ETHER	RG 84

#### WGK Classification

Weakly water-endangering (WGK 1), Classification according VwVwS

#### Labelling for contents (REGULATION (EC) No 648/2004 - 907/2006):

< 5% anionic surfactants,

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out for this mixture by the supplier

### SECTION 16. OTHER INFORMATION

#### Text of H statements mentioned in Section 3

H226 - Flammable liquid and vapour. H314 - Causes severe skin burns and eye damage. H336 - May cause drowsiness or dizziness.

#### Text of R phrases mentioned in Section 3

R10 - Flammable. R22 - Harmful if swallowed. R35 - Causes severe burns. R38 - Irritating to skin. R41 - Risk of serious damage to eyes. R67 - Vapours may cause drowsiness and dizziness. R37/38 - Irritating to respiratory system and skin.

#### Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]

Calculation method. H315 - Causes skin irritation. H318 - Causes serious eye damage.

#### Prepared By Austen Pimm

Creation Date 02/02/2015

Revision Date 03/01/2016

#### Revision Summary

CLP update.

#### Abbreviations

REACH: Registration Evaluation Authorisation Restriction of Chemicals

EU: European Union

EC: European community

EEC: European Economic Community

UN: United Nations

CAS: Chemical Abstracts Service

PBT: Persistent Bioaccumulative Toxic

vPvB: very Persistent very Bioaccumulative

LC50: Lethal concentration, 50 percent

LD50 : Lethal dose, 50 percent

EC50: Effective concentration, 50 percent

LogPow: LogP octanol/water

VwVwS: Verwaltungsvorschrift wassergefährdende Stoffe (Administrative order relating to substances hazardous to water - Germany)

WGK: Wassergefährdungsklasse (Water Hazard Class - Germany).

AVV: Abfallverzeichnis-Verordnung (Waste Code - Germany)

ADR: Accord européen relatif au transport international des marchandises Dangereuses par Route (European agreement governing the international carriage of

dangerous goods by road)

IMDG: International Maritime Dangerous Goods

IATA: International Air Transport Association

ICAO: International Civil Aviation Organisation

RID: Reglement international concernant le transport des marchandises dangereuses par chemin der fer (Regulations concerning the International carriage of Dangerous goods by rail)

EmS: Emergency Response Procedures for Ships Carrying Dangerous Goods

ERG: Emergency Response Guidebook

IUCLID / RTECS International Uniform Chemical Information Database / Registry of Toxic Effects of Chemical Substances

GHS: Globally Harmonised System of classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

VOC: Volatile Organic Chemical

w/w: weight for weight

DMSO: Dimethyl sulphoxide

OECD: Organization for Economic Cooperation and Development

STEL: Short Term Exposure Limit

TWA: Time Weighted Average

#### **Further Information**

Component test results displayed in sections 11 and 12 are typically supplied by Chemadvisor and assembled from publicly available literature sources e.g. IUCLID / RTECS

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations

#### **Disclaimer**

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

**End of Safety Data Sheet**