



## DPX-L1D57 45WG Paste Extruded blend

Version 3.0

Revision Date 28.09.2009

Ref. 13000028595

This SDS adheres to the standards and regulatory requirements of the European Community and may not meet the regulatory requirements of other countries.

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

#### Product information

Product name : DPX-L1D57 45WG Paste Extruded blend

Synonyms : B12751680

Use of the Substance/Mixture : Herbicide

Company : DuPont International Operations S.a.r.l.  
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CH-1218 Le Grand-Saconnex / GE  
Switzerland

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E-mail address : sds-support@che.dupont.com

Supplier : Du Pont de Nemours (France) S.A.S.  
82, rue de Wittelsheim  
F-68701 Cernay Cedex

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### 2. HAZARDS IDENTIFICATION

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
Causes moderate eye irritation.  
Harmful if absorbed through skin.  
Avoid contact with skin, eyes and clothing.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No.	EC-No.	Classification	Concentration [%]
Nicosulfuron	111991-09-4		N; R50/53	30
Rimsulfuron	122931-48-0		N; R50/53	15
Lignosulfonic acid, sodium salt (Reactionproduct)	105859-97-0		Xi; R36	>= 1 - < 5
Sodium carbonate	497-19-8	207-838-8	Xi; R36	>= 1 - < 5
Poly(Dimethylnaphthalenesulfonic Acid/Formaldehyde/Methylnaphthalenesulf	68425-94-5		Xi; R36/38	>= 1 - < 5



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onic Acid) Sodium Salt				
N,N-Dimethyl-2-Sulfamoylnicotinamide	112006-75-4	413-440-7	R43 R52 -R53	>= 1 - < 5

For the full text of the R-phrases mentioned in this Section, see Section 16.

### 4. FIRST AID MEASURES

- General advice : Never give anything by mouth to an unconscious person.
- Inhalation : Move to fresh air. Oxygen or artificial respiration if needed. Consult a physician after significant exposure.
- Skin contact : Take off contaminated clothing and shoes immediately. Wash off immediately with soap and plenty of water. In the case of skin irritation or allergic reactions see a physician. Wash contaminated clothing before re-use.
- Eye contact : Hold eye open and rinse slowly and gently with water for 15-20 minutes. If eye irritation persists, consult a specialist.
- Ingestion : Obtain medical attention. Do not induce vomiting without medical advice. If victim is conscious: Rinse mouth with water. Drink 1 or 2 glasses of water.

### 5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Water spray, Dry chemical, Foam, Carbon dioxide (CO<sub>2</sub>),
- Extinguishing media which shall not be used for safety reasons : High volume water jet, (contamination risk),
- Specific hazards during fire fighting : Hazardous decomposition products formed under fire conditions. Carbon dioxide (CO<sub>2</sub>) nitrogen oxides (NO<sub>x</sub>)
- Special protective equipment for fire-fighters : In the event of fire, wear self-contained breathing apparatus.
- Further information : Prevent fire extinguishing water from contaminating surface water or the ground water system. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
- (on small fires) If area is heavily exposed to fire and if conditions permit, let fire burn itself out since water may increase the area contaminated. Cool containers / tanks with water spray.

### 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions : Control access to area. Keep people away from and upwind of spill/leak. Avoid dust formation. Avoid breathing dust. Use personal protective equipment. Refer to protective measures listed in sections 7 and 8.



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- Environmental precautions : Prevent further leakage or spillage if safe to do so. Use appropriate container to avoid environmental contamination. Do not flush into surface water or sanitary sewer system. Do not allow material to contaminate ground water system. Local authorities should be advised if significant spillages cannot be contained. If the product contaminates rivers and lakes or drains inform respective authorities.
- Methods for cleaning up : Clean-up methods - small spillage Sweep up or vacuum up spillage and collect in suitable container for disposal.
- Clean-up methods - large spillage Avoid dust formation. Contain spillage, pick up with an electrically protected vacuum cleaner or by wet-brushing and transfer to a container for disposal according to local regulations (see section 13).
- If spill area is on ground near valuable plants or trees, remove 5 cm of top soil after initial clean-up.
- Additional advice : Never return spills in original containers for re-use. Dispose of in accordance with local regulations.

### 7. HANDLING AND STORAGE

#### Handling

- Advice on safe handling : Use only according to our recommendations. Use only clean equipment. Avoid contact with skin, eyes and clothing. Do not breathe dust or spray mist. Wear personal protective equipment. For personal protection see section 8. Prepare the working solution as given on the label(s) and/or the user instructions. Use prepared working solution as soon as possible - Do not store. Provide appropriate exhaust ventilation at places where dust is formed. Wash hands before breaks and immediately after handling the product. Remove and wash contaminated clothing before re-use. Avoid exceeding of the given occupational exposure limits (see section 8).
- Advice on protection against fire and explosion : During processing, dust may form explosive mixture in air. Keep away from heat and sources of ignition.

#### Storage

- Requirements for storage areas and containers : Store in original container. Keep in properly labelled containers. Keep container tightly closed in a dry and well-ventilated place. Store in a place accessible by authorized persons only. Keep out of the reach of children. Keep away from food, drink and animal feedingstuffs.
- Advice on common storage : No special restrictions on storage with other products. Keep away from: Strong oxidizing agents
- Other data : Stable under recommended storage conditions.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Engineering measures



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Ensure adequate ventilation, especially in confined areas. Provide for appropriate exhaust ventilation and dust collection at machinery.

### Personal protective equipment

- Respiratory protection : Manufacturing and processing work: Half mask with a particle filter FFP1 (EN149)
- Respiratory protection : Field and greenhouse application: Not required; except in case of aerosol formation. Half mask with a particle filter FFP2 (EN149)
- Hand protection : Material: Nitrile rubber  
Glove thickness: 0,4 - 0,7 mm  
Wearing time: 480 min  
Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time., The suitability for a specific workplace should be discussed with the producers of the protective gloves.
- Eye protection : Safety glasses with side-shields conforming to EN166
- Skin and body protection : Manufacturing and processing work: Full protective clothing Type 5 + 6 (EN ISO 13982-2 / EN 13034)  
  
Field and greenhouse application: Full protective clothing Type 3 (EN 14605)
- Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. Regular cleaning of equipment, work area and clothing. Keep working clothes separately. Contaminated work clothing should not be allowed out of the workplace. Wash hands and face before breaks and immediately after handling the product. When using do not eat, drink or smoke. Keep away from food, drink and animal feedingstuffs. For environmental protection remove and wash all contaminated protective equipment before re-use. Remove clothing/PPE immediately if material gets inside. Wash thoroughly and put on clean clothing. Dispose of rinse water in accordance with local and national regulations.
- Protective measures : The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. All chemical protective clothing should be visually inspected prior to use. Clothing and gloves should be replaced in case of chemical or physical damage or if contaminated.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

- Form : solid, granular,
- Colour : beige,
- Odour : slight, sweet,
- pH : 5,9 at 10 g/l
- Flash point : not applicable



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Flammability (solid, gas)	: Does not sustain combustion.
Oxidizing properties	: The product is not oxidizing.
Explosive properties	: Not explosive
Bulk density	: 0,62 - 0,69 mg/l
Water solubility	: , dispersible

### 10. STABILITY AND REACTIVITY

Conditions to avoid	: To avoid thermal decomposition, do not overheat. Under severe dusting conditions, this material may form explosive mixtures in air.
Materials to avoid	: Strong oxidizing agents
Hazardous reactions	: No dangerous reaction known under conditions of normal use. Polymerization will not occur. No decomposition if stored and applied as directed.

### 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity	: LD50/ rat : > 5 000 mg/kg Method: OECD Test Guideline 425 The toxicological data has been taken from products of similar composition. Information source: Internal study report
Acute inhalation toxicity	: LC50/ 4 h / rat : > 5,6 mg/l Method: US EPA Test Guideline OPP 81-3 The toxicological data has been taken from products of similar composition. Information source: Internal study report
Acute dermal toxicity	: LD50/ rabbit > 2 000 mg/kg Method: US EPA Test Guideline OPP 81-2 The toxicological data has been taken from products of similar composition. Information source: Internal study report
Skin irritation	: rabbit Result: No skin irritation Method: OECD Test Guideline 404 The toxicological data has been taken from products of similar composition. Information source: Internal study report
Eye irritation	: rabbit Result: No eye irritation Method: OECD Test Guideline 405 The toxicological data has been taken from products of similar composition. Information source: Internal study report
Sensitisation	: Local lymph node test mouse Result: Animal test did not cause sensitization by skin contact. Method: OECD Test Guideline 429 The toxicological data has been taken from products of similar composition. Information source: Internal study report



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### Mutagenicity assessment

- Nicosulfuron : Tests on bacterial or mammalian cell cultures did not show mutagenic effects., Did not cause genetic damage in animals.
- Rimsulfuron : Tests on bacterial or mammalian cell cultures did not show mutagenic effects., Did not show mutagenic effects in animal experiments.

### Carcinogenicity assessment

- Nicosulfuron : Animal testing did not show any carcinogenic effects.
- Rimsulfuron : Did not show carcinogenic effects in animal experiments.

### Toxicity to reproduction assessment

- Nicosulfuron : Animal testing showed no reproductive toxicity.
- Rimsulfuron : Animal testing did not show any effects on fertility.

## 12. ECOLOGICAL INFORMATION

### Elimination information (persistence and degradability)

- Biodegradability : Not readily biodegradable. Estimation based on data obtained on active ingredient.
- Bioaccumulation : This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT). This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

### Ecotoxicity effects

- Toxicity to fish : static test LC50/ 96 h/ Oncorhynchus mykiss (rainbow trout) :: 8,49 mg/l  
Method: OECD Test Guideline 203  
The toxicological data has been taken from products of similar composition.  
Information source: Internal study report
- Toxicity to algae : / EbC50/ 72 h/ Pseudokirchneriella subcapitata (green algae): 3,4 mg/l  
Method: OECD Test Guideline 201  
(Data on the product itself) Information source: Internal study report
- / ErC50/ 168 h/ Lemna gibba (duckweed): 0,00273 mg/l  
Method: OECD Test Guideline 221  
(Data on the product itself) Information source: Internal study report
- Toxicity to daphnia : static test / EC50/ 48 h/ Daphnia magna (Water flea): 9,81 mg/l  
Method: OECD Test Guideline 202  
The toxicological data has been taken from products of similar composition.  
Information source: Internal study report

## 13. DISPOSAL CONSIDERATIONS

- Product : In accordance with local and national regulations. Must be incinerated in a suitable incineration plant holding a permit delivered by the competent authorities. Do not contaminate ponds, waterways or ditches with chemical or used container.
- Contaminated packaging : Do not re-use empty containers.


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European Waste Catalogue : 020108: agrochemical waste containing dangerous substances  
number

**14. TRANSPORT INFORMATION**
**ADR**

Class: 9  
Packaging group: III  
Classification Code: M7  
HI No.: 90  
UN-Number: 3077  
Labelling No.: 9  
Proper shipping name: Environmentally hazardous substance, solid, n.o.s. (Nicosulfuron, Rimsulfuron)

**IMDG**

Class: 9  
Packaging group: III  
UN-Number: 3077  
Labelling No.: 9  
Proper shipping name: Environmentally hazardous substance, solid, n.o.s. (Nicosulfuron, Rimsulfuron)

Further information : Not classified as dangerous in the meaning of air transport regulations., Optional classification as per IATA Special Provision A97.

**15. REGULATORY INFORMATION**
**Labelling according to EC Directives**

Symbol(s) : N Dangerous for the environment

Hazardous components: Nicosulfuron  
Rimsulfuron

R-phrase(s) : R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrase(s) : S 2 Keep out of the reach of children.  
S13 Keep away from food, drink and animal feedingstuffs.  
S20/21 When using do not eat, drink or smoke.  
S35 This material and its container must be disposed of in a safe way.  
S57 Use appropriate container to avoid environmental contamination.  
SP 1 Do not contaminate water with the product or its container (Do not clean application equipment near surface water/Avoid contamination via drains from farmyards and roads).

Special labelling of certain mixtures : To avoid risks to man and the environment, comply with the instructions for use.

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Sensitising components contains:  
N,N-Dimethyl-2-Sulfamoylnicotinamide  
May produce an allergic reaction.

**16. OTHER INFORMATION****Text of R-phrases mentioned in Section 3**

R36	Irritating to eyes.
R36/38	Irritating to eyes and skin.
R43	May cause sensitization by skin contact.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R52	Harmful to aquatic organisms.
R53	May cause long-term adverse effects in the aquatic environment.

**Further information**

Take notice of the directions of use on the label.

Significant change from previous version is denoted with a double bar.

The information provided in this Safety Data Sheet 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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.