Safety Data Sheet
S61 ONELIGHT PUTTY YELLOW

Safety Data Sheet dated 8/22/2018, version 2

1. IDENTIFICATION

Product identifier

Mixture identification:

Trade code and name: S61 ONELIGHT PUTTY YELLOW

Recommended use of the chemical and restrictions on use

Recommended use:

Polyester filler for auto-body and nautical applications

PC9b Fillers, Putties

Restrictions on use:

Only for professional use.

Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party

Company:

Industria Chimica Reggiana I.C.R. Spa

Via Gasparini, 7 42124 REGGIO EMILIA Italia

Tel. +39 0522/517803 Fax +39 0522/514384

Competent person responsible for the safety data sheet:

sdsre@icrsprint.it

Emergency phone number

Via Gasparini, 7 42124 REGGIO EMILIA Italia

Tel. +39 0522/517803 Fax +39 0522/514384

2. HAZARD(S) IDENTIFICATION

Classification of the chemical

Warning, Flam. Liq. 3, Flammable liquid and vapour.

Warning, Skin Irrit. 2, Causes skin irritation.

Warning, Eye Irrit. 2A, Causes serious eye irritation.

Warning, Repr. 2, Suspected of damaging the unborn child.

Danger, STOT RE 1, Causes damage to ear through prolonged or repeated exposure via inhalation..

Label elements

Hazard pictograms:

Danger

Hazard statements:

H226 Flammable liquid and vapour.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H361d Suspected of damaging the unborn child.

H372 Causes damage to ear through prolonged or repeated exposure via inhalation..

Precautionary statements:

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P260 Do not breathe vapors.

P280 Wear protective gloves and eye protection.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

Special Provisions:

None

Hazards not otherwise classified identified during the classification process:

None

Ingredient(s) with unknown acute toxicity:

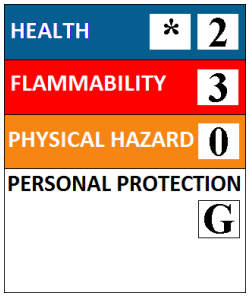
None.

Additional classification information

NFPA rating:

HMIS rating:

Safety Data Sheet
S61 ONELIGHT PUTTY YELLOW



3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances

N.A.

Mixtures

Hazardous components within the meaning of 29 CFR 1910.1200 and related classification:

>= 15% - < 20% styrene

REACH No.: 01-2119457861-32, Index number: 601-026-00-0, CAS: 100-42-5, EC: 202-851-5

B.6/3 Flam. Liq. 3 H226

US-HAE/C3 Aquatic Chronic 3 H412

A.10/1 Asp. Tox. 1 H304

A.8/3 STOT SE 3 H335

A.7/2 Unst. Expl.

A.1/4/Inhal Acute Tox. 4 H332

A.9/1 Unst. Expl.

A.2/2 Skin Irrit. 2 H315

A.3/2A Eye Irrit. 2A H319

>= 1% - < 3% Xylene

REACH No.: 01-2119488216-32, Index number: 601-022-01-6, CAS: 1330-20-7, EC: 215-535-7

B.6/3 Flam. Liq. 3 H226

A.1/4/Inhal Acute Tox. 4 H332

A.1/4/Dermal Acute Tox. 4 H312

A.3/2A Eye Irrit. 2A H319

A.8/3 STOT SE 3 H335

A.2/2 Skin Irrit. 2 H315

A.9/2 Unst. Expl.

A.10/1 Asp. Tox. 1 H304

4. FIRST-AID MEASURES

Description of necessary measures

In case of skin contact:

Immediately take off all contaminated clothing.
Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap. If irritation persists: Get medical advice/attention.
Wash thoroughly the body (shower or bath).
Remove contaminated clothing immediatley and dispose off safely.
After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult a medic immediately.
Protect uninjured eye.

In case of Ingestion:

Do NOT induce vomiting.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

Most important symptoms/effects, acute and delayed

See section 11 for known symptoms and effects.

Indication of immediate medical attention and special treatment needed

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).
Treatment:
None

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:

CO_2 or Dry chemical fire extinguisher.

Unsuitable extinguishing media:

None in particular.
Specific hazards arising from the chemical
Do not inhale explosion and combustion gases.
Burning produces heavy smoke. Carbon oxides.
Hazardous combustion products:
None
Explosive properties: N.D.
Oxidizing properties: N.D.
Special protective equipment and precautions for fire-fighters
Use suitable breathing apparatus .
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Move undamaged containers from immediate hazard area if it can be done safely.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures
Wear personal protection equipment.
Remove all sources of ignition.
Wear breathing apparatus if exposed to vapours/dusts/aerosols.
Provide adequate ventilation.
Remove persons to safety.
Use appropriate respiratory protection.
See protective measures under point 7 and 8.
Methods and materials for containment and cleaning up
Wash with plenty of water.

7. HANDLING AND STORAGE

Precautions for safe handling
Avoid contact with skin and eyes, inhaltion of vapours and mists.
Exercise the greatest care when handling or opening the container.
Do not use on extensive surface areas in premises where there are occupants.
Don't use empty container before they have been cleaned.
Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.
Contamined clothing should be changed before entering eating areas.
Do not eat or drink while working.
See also section 8 for recommended protective equipment.
Conditions for safe storage, including any incompatibilities
Always keep in a well ventilated place.
Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.
Keep away from food, drink and feed.
Incompatible materials:
None in particular.
Instructions as regards storage premises:
Cool and adequately ventilated.
Storage temperature:
Store at ambient temperature.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters
styrene - CAS: 100-42-5
EU - TWA(8h): 85 mg/m3, 20 ppm - STEL(): 170 mg/m3, 40 ppm - Notes: Pelle
ACGIH - TWA(8h): 20 ppm - STEL: 40 ppm - Notes: A4, BEI - CNS impair, URT irr, peripheral neuropathy
Xylene - CAS: 1330-20-7
Italy - TWA(8h): 221 mg/m3, 50 ppm - STEL(): 442 mg/m3, 100 ppm - Notes: Assorbito attraverso la pelle
ACGIH - TWA(8h): 100 ppm - STEL: 150 ppm - Notes: A4, BEI - URT and eye irr, CNS impair
EU - TWA(8h): 221 mg/m3, 50 ppm - STEL: 442 mg/m3, 100 ppm - Notes: Skin
DNEL Exposure Limit Values
styrene - CAS: 100-42-5
Worker Professional: 406 mg/kg - Consumer: 343 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Consumer: 2.1 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects
Worker Professional: 85 mg/m³ - Consumer: 10.2 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Worker Professional: 289 mg/m³ - Consumer: 174.25 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term, systemic effects
Worker Professional: 306 mg/m³ - Consumer: 182.75 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term, local effects
Xylene - CAS: 1330-20-7
Worker Professional: 289 mg/kg - Exposure: Human Inhalation - Frequency: Short Term, local effects
Worker Professional: 180 mg/kg - Consumer: 108 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Worker Professional: 77 mg/m³ - Consumer: 14.8 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, local effects
Consumer: 1.6 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

PNEC Exposure Limit Values
- styrene - CAS: 100-42-5
  - Target: Fresh Water - Value: 0.028 mg/l
  - Target: Marine water - Value: 0.028 mg/l
  - Target: Freshwater sediments - Value: 0.614 mg/kg
  - Target: Marine water sediments - Value: 0.0614 mg/kg
  - Target: Soil (agricultural) - Value: 0.2 mg/kg
  - Target: 14 - Value: 0.04 mg/l
  - Target: Purification plant - Value: 5 mg/l
- Xylene - CAS: 1330-20-7
  - Target: STP - Value: 6.58 mg/l
  - Target: Marine water - Value: 0.327 mg/l
  - Target: Intermittent emissions - Value: 0.327 mg/l
  - Target: Freshwater sediments - Value: 12.46 mg/kg
  - Target: Marine water sediments - Value: 12.46 mg/kg
  - Target: Soil - Value: 2.31 mg/kg
  - Target: Fresh Water - Value: 0.327 mg/l

Appropriate engineering controls:
- None

Individual protection measures

Eye protection:
- Use close fitting safety goggles, don't use eye lens.

Protection for skin:
- Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Protection for hands:
- Use protective gloves that provides comprehensive protection, EN374 Class 3 (F). Permeation time > 60 minutes; 0.4 mm thickness.

Respiratory protection:
- Use adequate protective respiratory equipment.

Thermal Hazards:
- None

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and colour:	Yellow thixotropic paste
Odour:	Typical of solvent
Odour threshold:	N.D.
pH:	N.A. (organic solvents)
Melting point / freezing point:	N.D.
Initial boiling point and boiling range:	293°F
Solid/gas flammability:	N.A.
Upper/lower flammability or explosive limits:	N.D.
Vapour density:	3.6 (air= 1)
Flash point:	89.6°F
Evaporation rate:	N.D.
Vapour pressure:	6.67 hPa
Relative density:	1.000 g/cm³
Solubility in water:	Insoluble
Solubility in oil:	N.D.
Auto-ignition temperature:	914°F
Decomposition temperature:	N.D.
Viscosity:	> 20.5 mm²/s (40°C)
Miscibility:	N.A.
Fat Solubility:	N.A.
Conductivity:	N.A.
Substance Groups relevant properties	N.A.

10. STABILITY AND REACTIVITY

Reactivity
- Stable under normal conditions

Chemical stability
- Stable under normal conditions

Possibility of hazardous reactions
- It may catch fire on contact with oxidising mineral acids, and powerful oxidising agents.

Conditions to avoid
- Stable under normal conditions.

Incompatible materials
- Avoid contact with combustible materials. The product could catch fire.

Hazardous decomposition products
- None.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Toxicological information of the product:

N.A.

Toxicological information of the main substances found in the product:

styrene - CAS: 100-42-5

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 5000 mg/kg
Test: LC50 - Route: Inhalation - Species: Rat = 11.8 mg/l - Duration: 4h
Test: LD50 - Route: Skin - Species: Rat > 2000 mg/kg - Notes: OECD 402

i) STOT-repeated exposure:

Test: LOAEL(C) - Route: Oral - Species: Rat = 2000 mg/kg - Notes: bw/day
Test: NOAEL(C) - Route: Oral - Species: Rat = 1000 mg/kg - Notes: bw/day
Test: LOAEL(C) - Route: Inhalation - Species: Rat = 0.21 mg/l

Xylene - CAS: 1330-20-7

a) acute toxicity:

Test: LC50 - Route: Inhalation - Species: Rat = 6350 ppm - Duration: 4h
Test: LD50 - Route: Oral - Species: Rat = 3523 mg/kg
Test: LD50 - Route: Skin - Species: Rabbit = 4350 mg/kg

styrene - CAS: 100-42-5

Symptoms may appear many hours after exposure. Medical observation is therefore necessary for 48 hours after exposure. May cause sleepiness or dizziness. Inhalation: may irritate respitratory tract. Ingestion: may irritate gastrointestinal tract, along with nausea, vomit and diarrea, disorientation. Inhalation, skin contact or ingestion may result in reduced fetal weitht, increase risk of fetal death, skeletal malformations.

Substance(s) listed on the NTP report on Carcinogens:

styrene.

Substance(s) listed on the IARC Monographs:

styrene - Group 2B
Xylene - Group 3.

Substance(s) listed as OSHA Carcinogen(s):

None.

Substance(s) listed as NIOSH Carcinogen(s):

None.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Adopt good working practices, so that the product is not released into the environment.

styrene - CAS: 100-42-5

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 4.02 mg/l - Duration h: 96
Endpoint: EC50 - Species: Algae = 4.9 mg/l - Duration h: 72
Endpoint: EC50 - Species: Daphnia = 4.7 mg/kg - Duration h: 48
Endpoint: EC10 - Species: Algae = 0.28 mg/l - Duration h: 96

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Daphnia = 1.01 mg/l - Duration h: 504

Xylene - CAS: 1330-20-7

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia = 1 mg/l - Duration h: 24
Endpoint: EC50 - Species: Algae = 4.36 mg/l - Duration h: 73
Endpoint: LC50 - Species: Fish = 2.6 mg/l - Duration h: 96
Endpoint: NOEC - Species: Algae = 0.44 mg/l - Duration h: 73
Endpoint: NOEC - Species: Daphnia = 1.57 mg/l - Duration h: 504
Endpoint: NOEC - Species: Fish = 1.3 mg/l - Duration h: 1344

Persistence and degradability

styrene - CAS: 100-42-5

Biodegradability: Not persistent and Biodegradable - Test: N.A. - Duration h: N.A. - %: N.A. - Notes: N.A.

Bioaccumulative potential

styrene - CAS: 100-42-5

Bioaccumulation: Not bioaccumulative - Test: N.A. N.A. - Duration h: N.A. - Notes: N.A.

Mobility in soil

styrene - CAS: 100-42-5

Mobility in soil: Do not mix with waste water, rain or surface water. Floats on water, evaporates from liquid and solid surfaces but a signicant amount may penerate and pollute water table. - Test: N.A. N.A. - Duration h: N.A. - Notes: N.A.

Other adverse effects

None

13. DISPOSAL CONSIDERATIONS

Waste treatment and disposal methods

Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force. DO NOT discharge into sewers, watercourses, ponds, canals or ditches. Empty product containers must be completely drained and stored safely until appropriately processes or disposed. Empty containers must be recycled, recovered or disposed of by a qualified and authorized company operating in compliance with current recycling, recovery and disposal regulations. It is advisable to provide the desposal company with all safety information of the material contained in the empty packaging. DO NOT pressurize, DO NOT cut,

DO NOT weld, DO NOT puncture, DO NOT crush, DO NOT expose empty containers to heat, flames, sparks, electrostatic discharge or other sources of ignition.

14. TRANSPORT INFORMATION

UN number
- ADR-UN Number: 3269
- DOT number: UN3269
- IATA-UN Number: 3269
- IMDG-UN Number: 3269

UN proper shipping name
- ADR-Shipping Name: POLYESTER RESIN KIT
- DOT-Shipping Name: Polyester resin kit
- IATA-Shipping Name: POLYESTER RESIN KIT
- IMDG-Shipping Name: POLYESTER RESIN KIT

Transport hazard class(es)
- ADR-Class: 3
- DOT Hazard Class: 3
- ADR-Label: 3
- ADR - Hazard identification number: -
- IATA-Class: 3
- IATA-Label: 3
- IMDG-Class: 3
- IMDG-Class: 3

Packing group
- ADR-Packing Group: III
- DOT Packing group: -
- IATA-Packing group: III
- IMDG-Packing group: III

Environmental hazards
- ADR-Enviromental Pollutant: No
- IMDG-Marine pollutant: No

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code)
- N.A.

The product is transported in conditions that comply with exemption criteria for ADR transport.

Special precautions
- DOT Special provisions: 40, 149
- ADR-Subsidiary risks: -
- ADR-S.P.: 236 340
- ADR-Transport category (Tunnel restriction code): 3 (E)
- IATA-Passenger Aircraft: 370
- IATA-Subsidiary risks: -
- IATA-Cargo Aircraft: 370
- IATA-S.P.: A66 A163
- IATA-ERG: 3L
- IMDG-Page: 3377-1
- IMDG-EmS: F-E , S-E
- IMDG-Subsidiary risks: -
- IMDG-MFAG: 310
- IMDG-Stowage and handling: Category A
- IMDG-Segregation: -

15. REGULATORY INFORMATION

USA - Federal regulations

TSCA - Toxic Substances Control Act

TSCA inventory: all the components are listed on the TSCA inventory.
TSCA listed substances:
styrene is listed in TSCA Section 8b, Section 8a - CAIR
Xylene is listed in TSCA Section 8b.

SARA - Superfund Amendments and Reauthorization Act

Section 302 - Extremely Hazardous Substances: no substances listed.
Section 304 - Hazardous substances: styrene, Xylene.
Section 313 - Toxic chemical list: styrene, Xylene.

CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act

Substance(s) listed under CERCLA: styrene - Reportable quantity: 1000 pounds
Xylene - Reportable quantity: 100 pounds.
Reportable quantity for mixture: 555.5555556 pounds.

CAA - Clean Air Act
CAA listed substances:
styrene is listed in CAA Section 111, Section 112(b) - HAP, Section 112(b) - HON
Xylene is listed in CAA Section 111, Section 112(b) - HAP, Section 112(b) - HON.
CWA - Clean Water Act
CWA listed substances:
styrene is listed in CWA Section 311
Xylene is listed in CWA Section 304, Section 311.

USA - State specific regulations
California Proposition 65
Substance(s) listed under California Proposition 65:
styrene - Listed as carcinogen.
Massachusetts Right to know
Substance(s) listed under Massachusetts Right to know:
styrene
Xylene.
New Jersey Right to know
Substance(s) listed under New Jersey Right to know:
styrene
Xylene.
Pennsylvania Right to know
Substance(s) listed under Pennsylvania Right to know:
styrene
Xylene.

16. OTHER INFORMATION

Full text of phrases referred to in Section 3:
H226 Flammable liquid and vapour.
H412 Harmful to aquatic life with long lasting effects.
H304 May be fatal if swallowed and enters airways.
H335 May cause respiratory irritation.
H332 Harmful if inhaled.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H312 Harmful in contact with skin.

Safety Data Sheet dated 8/22/2018, version 2
Sections modified from the previous revision:

2. HAZARD(S) IDENTIFICATION
4. FIRST-AID MEASURES
5. FIRE-FIGHTING MEASURES
7. HANDLING AND STORAGE
8. EXPOSURE CONTROLS/PERSONAL PROTECTION
10. STABILITY AND REACTIVITY
13. DISPOSAL CONSIDERATIONS

Disclaimer:
The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality. The information relates only to the specific material and may not be valid for such material used in combination with any other material or in any process.
This Safety Data Sheet cancels and replaces any preceding release.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
HMIS:	Hazardous Materials Identification System
IARC:	International Agency for Research on Cancer
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
NFPA:	National Fire Protection Association
NIOSH:	National Institute for Occupational Safety and Health

NTP:	National Toxicology Program
OSHA:	Occupational Safety and Health Administration.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average